

2022⁺

General Catalogue



Notes

Due to the sheer amount of products we make, our catalogue is offered as a condensed, short form catalogue. Here you can find the products based on their general characteristics. Unlike comprehensive catalogues, they do not contain detailed characteristics of each product. However there is an easy way to get it.

Once you find the part number you need, please visit our website at www.scanelectech.com.tw. Click product > search. Enter the part number you have chosen, and the specification for the product should be available.

If you experience any problems, such as the product specification is unavailable, please do contact us immediately.





Notable New Additions

Inductive Sensors

- Long+ sensing distance sensors
- NPN/PNP and NO/NC wire selectable sensors
- M8-M30 DC 2-wired sensors with operating voltage of 3.5-30V
- M12 and M16 Hall effect sensors
- Miniature DC 2-wired sensors
- M5 metalface sensors with separate amplifier
- M48 Inductive sensors
- M30 analog, metalface inductive sensor

Capacitive Sensors

- DC 2-wired M30 Capacitive sensors
- M32 Capacitive sensors
- Q16 Capacitive sensors designed for tubular mounting (eg. Pipes)

Photoelectric Sensors

- RP43 and RP64 Photoelectric sensors with mechanical background suppression
- M18 Photoelectric sensors with both light and dark outputs
- M5 and M8 thru-beam photoelectric sensors
- RP74 With laser light source (and impressive distance)

Cable-Related Products

- Silicone-based high temperature cable
- Fiber optic cables – polymer and glass

Legacy Products

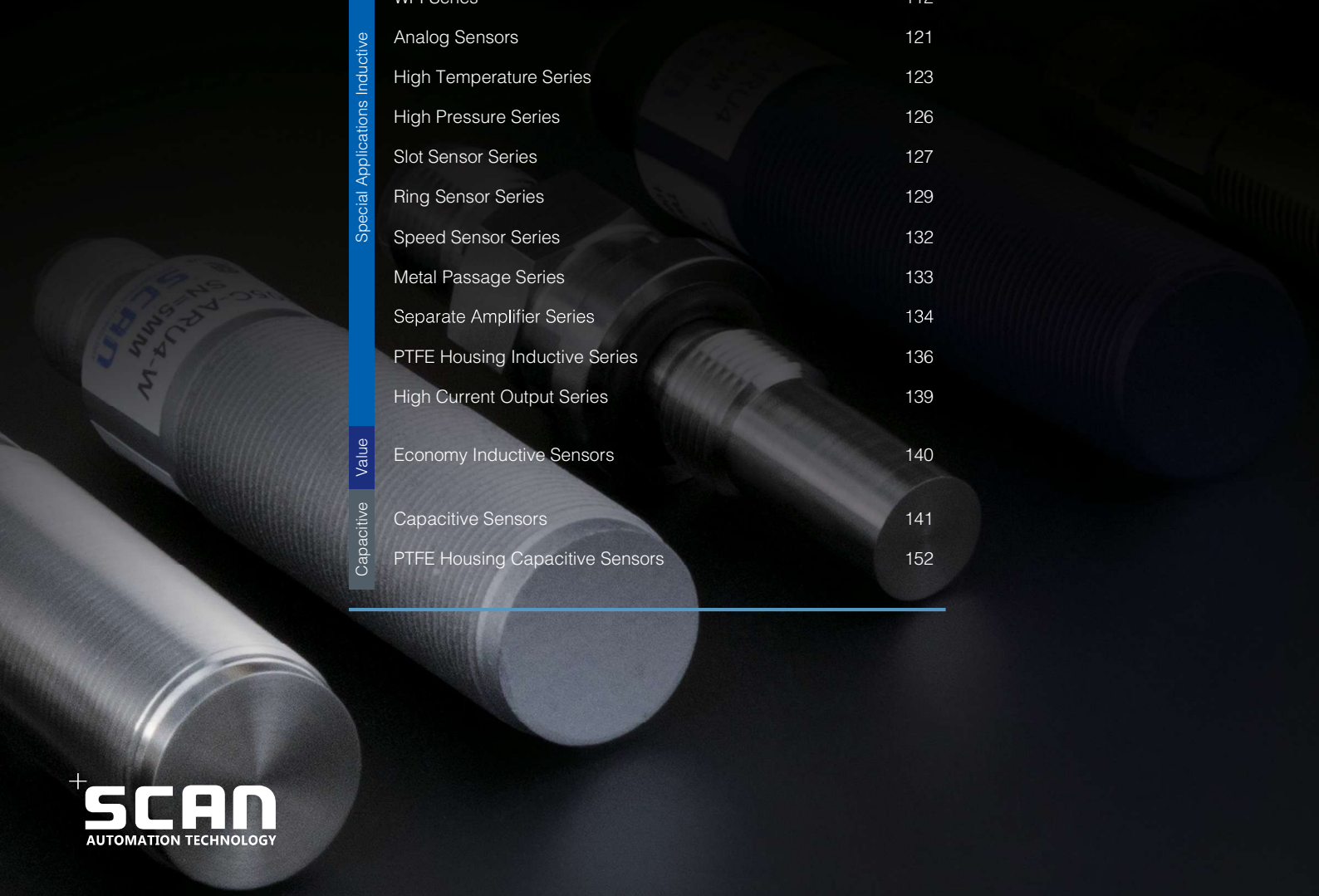
- Digital counters
- Sensor controllers



TABLE OF CONTENTS

Proximity Sensors

Standard Inductive	Mini Cylindrical Metal Barrel	7
	Side Sensing Cylindrical Metal Barrel	16
	Mini Side Sensing Cuboid Metal Housing	20
	Cylindrical Metal Barrel	23
	Cuboid Metal Housing	53
	Cylindrical Plastic Housing	58
	Cuboid Plastic Housing	74
	MPS Series	95
Special Applications Inductive	MQS Series	96
	Metal Face Series	97
	FE/NFE Series	109
	WFI Series	112
	Analog Sensors	121
	High Temperature Series	123
	High Pressure Series	126
	Slot Sensor Series	127
	Ring Sensor Series	129
	Speed Sensor Series	132
	Metal Passage Series	133
	Separate Amplifier Series	134
	PTFE Housing Inductive Series	136
Value	High Current Output Series	139
	Economy Inductive Sensors	140
	Capacitive Sensors	141
Capacitive	PTFE Housing Capacitive Sensors	152



Photoelectric Sensors

M5S Series / M8B Series	156
M12 Series	157
M18 Series	163
EM18 Series	178
FM18 Series	180
M30 Series	184
M52 Series	186
RP31 Series	187
RP32 Series	188
RP34 Series	189
RP35 Series	190
RP43 Series	191
RP50 Series	193
RP64 Series	194
RP74 Series	196
RP76 Series	203
RP80 Series	206
RS62 Series	207
UP Series	208
MP Series	209
EP Series	221
T18 Series	226
T30 Series	229
Q25 Series	230
Q40 Series	231
RC Series	232
U Series	233
ASP Series	235
FOS1 Series	236



Cables & Connectors

M-series	238
C-series	239
R-series A-code	241
B-series B-code	246
U-series 1/2" - 20 UNF	247
Z-series 7/8"-16UN	249
Z-series	251
V-series	252
Connector to connector cordset	253
Splitters	257
DBR Series	261
DBRP Series	265
DBRT Series	267
DBRTZ Series	270
DBRS Series	272
DBRSP Series	273
DBZS Series	274
DM8 Series	275
Hard Shell Connector	278
Cable Code	279



Hardware & Accessories

Sensor Mounts & Brackets	281
Sensor Tester, Cap, Terminal Connection Plug	284
Reflectors	285
MP Optics Assembly	286
Nuts & Bolts	287
Distribution Boxes	288
Plastic Fiber	290
Glass Fiber	291

Legacy Products

Counter	293
Controller	294



1 2 3 4 5 6 7 8 9 10 11 12 13 14
F C M 1 - 12 02 N - A 3 U 2 F / A08 / 4L

1. TYPE

I: Inductive (5-36V)
H: Inductive (10-55V)
F: Inductive (10-30V)



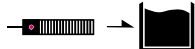
E: Extended SN



L: Long SN



C: Capacitive



T: High temperature
 -25°C 200°C



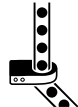
P: High pressure



U: Slot sensor

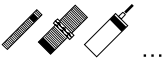


R: Ring sensor



2. HOUSING

C: Cylindrical



Q: Square



U: Slot



R: Ring



3. HOUSING MATERIAL

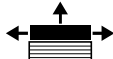
M: Brass body
U: Stainless steel body
P: Plastic housing
S: Full stainless steel housing
T: Full titanium alloy housing
C: Ceramic face
F: Full PTFE body

4. MOUNTING

1: Shielded

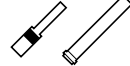


2: Non-shielded



5. OUTWARD APPEARANCE DIAMETER (mm)

D: Smooth body



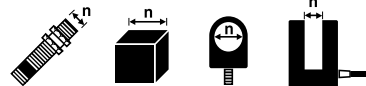
U: Slot sensor



R: Ring sensor



n: Length of sensing area

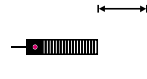


6. SENSING DISTANCE (mm)

1.5: 1.5 mm

0.2: 2 mm

15: 15 mm



7. OUTPUT FUNCTION

P: PNP

N: NPN

A: AC

C: DC 2-wire

U: AC/DC

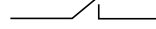
G: Analog

NU: NAMUR

D: PNP/NPN

8. OUTPUT

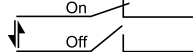
A: On action (N.O.)



B: Off action (N.C.)



S: Changeover (N.O. & N.C.)



C: AC or AC/DC N.O. or N.C. changeable

I: Current output (Analog sensor)

V: Voltage output (Analog sensor)

M: Current & voltage output (Analog sensor)

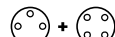
9. CONNECTION

2: 2wire, 3: 3wire, 4: 4wire, 5: 5wire

M: M5



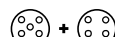
C: M8



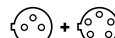
R: M12 R-series



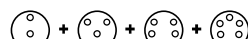
B: M12 (AC) RSE B-code



U: 1/2"-UNF



Z: 7/8"-16UN



Y: C164R



10. PROTECION

U: With short circuit protection

R: Shorter body with short circuit protection

S: short body with short circuit protection. (AC type have no S.C.P.)

X: Short body with short circuit protection, sensor body and output wire is 90°

L: Without short circuit protection

11. CABLE LENGTH OR CONNECTOR PIN NUMBER

Cable: 2= 2M, 5= 5M, 9= 9M

Connector: 2= 2pin, 3= 3 pin,
4= 4 pin, 5= 5 pin

12. SENSOR FACE PLACEMENT

F: Sensor face in front



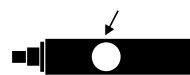
T: Sensor face in top



Y: Sensor body & output wire is 90°



M: Sensor face in center



Z: Sensor face is 90° with tube



13+ SPECIAL OPTION CODES

Examples: 4L= 4xLED for connector.

PTFE: PTFE coated housing.

120C/140C/160C/200C: Temperature rating for high temperature sensors.

SN: Snap-in connector.

W: Weld field immune.

Or thread type.

EM08: Seperate 8mm amplifier



Mini Cylindrical Metal Barrel



Ø3 x 25



Ø3 x 25

Connection			2 m Cable		M8 Pigtail	
Series			Ø3			
Switching Distance Sn (mm)			Standard: 0.8, Extended: 1.0			
Standard	DC 2-wire	10-60V	N.O. N.C.	FCU1-D030.8C-A2U2/EM08 FCU1-D030.8C-B2U2/EM08		
		NPN 10~30V	N.O. N.C.	FCU1-D030.8N-A3U2 FCU1-D030.8N-B3U2		FCU1-D030.8N-A3U0.2/P8 FCU1-D030.8N-B3U0.2/P8
	PNP 10~30V		N.O. N.C.	FCU1-D030.8P-A3U2 FCU1-D030.8P-B3U2		FCU1-D030.8P-A3U0.2/P8 FCU1-D030.8P-B3U0.2/P8
		DC 3-wire	NPN 5~36V	N.O. N.C.	ICU1-D030.8N-A3U2 ICU1-D030.8N-B3U2	
	PNP 5~36V		N.O. N.C.	ICU1-D030.8P-A3U2 ICU1-D030.8P-B3U2		ICU1-D030.8P-A3U0.2/P8 ICU1-D030.8P-B3U0.2/P8
			DC 2-wire	10-60V	N.O. N.C.	ECU1-D0301C-A2U2/EM08 ECU1-D0301C-B2U2/EM08
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	ECU1-D0301N-A3U2 ECU1-D0301N-B3U2		ECU1-D0301N-A3U0.2/P8 ECU1-D0301N-B3U0.2/P8
		PNP 10~30V	N.O. N.C.	ECU1-D0301P-A3U2 ECU1-D0301P-B3U2		ECU1-D0301P-A3U0.2/P8 ECU1-D0301P-B3U0.2/P8



Ø3 x 25



Ø3 x 25

Connection			Ø5 Snap-In Pigtail		Ø8 Snap-In Pigtail		
Series			Ø3				
Switching Distance Sn (mm)			Standard: 0.8, Extended: 1.0				
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D030.8N-A3U0.2/SN5 FCU1-D030.8N-B3U0.2/SN5		FCU1-D030.8N-A3U0.2/SN8 FCU1-D030.8N-B3U0.2/SN8	
		PNP 10~30V	N.O. N.C.	FCU1-D030.8P-A3U0.2/SN5 FCU1-D030.8P-B3U0.2/SN5		FCU1-D030.8P-A3U0.2/SN8 FCU1-D030.8P-B3U0.2/SN8	
		NPN 5~36V	N.O. N.C.	ICU1-D030.8N-A3U0.2/SN5 ICU1-D030.8N-B3U0.2/SN5		ICU1-D030.8N-A3U0.2/SN8 ICU1-D030.8N-B3U0.2/SN8	
		PNP 5~36V	N.O. N.C.	ICU1-D030.8P-A3U0.2/SN5 ICU1-D030.8P-B3U0.2/SN5		ICU1-D030.8P-A3U0.2/SN8 ICU1-D030.8P-B3U0.2/SN8	
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	ECU1-D0301N-A3U0.2/SN5 ECU1-D0301N-B3U0.2/SN5		ECU1-D0301N-A3U0.2/SN8 ECU1-D0301N-B3U0.2/SN8	
		PNP 10~30V	N.O. N.C.	ECU1-D0301P-A3U0.2/SN5 ECU1-D0301P-B3U0.2/SN5		ECU1-D0301P-A3U0.2/SN8 ECU1-D0301P-B3U0.2/SN8	

Mini Cylindrical Metal Barrel



Ø4 x 25

Ø4 x 38

Ø4 x 38

Connection	2 m Cable	M8 Connector	M8 Snap-In Connector
Series	Ø4		
Switching Distance Sn (mm)	Standard: 0.8, Extended: 1.0		

Standard	DC 2-wire 10-60V	N.O. N.C.	FCU1-D040.8C-A2U2/EM08 FCU1-D040.8C-B2U2/EM08		
	NPN 10~30V	N.O. N.C.	FCU1-D040.8N-A3U2 FCU1-D040.8N-B3U2	FCU1-D040.8N-ACU3 FCU1-D040.8N-BCU3	FCU1-D040.8N-ACU3/SN8 FCU1-D040.8N-BCU3/SN8
	PNP 10~30V	N.O. N.C.	FCU1-D040.8P-A3U2 FCU1-D040.8P-B3U2	FCU1-D040.8P-ACU3 FCU1-D040.8P-BCU3	FCU1-D040.8P-ACU3/SN8 FCU1-D040.8P-BCU3/SN8
	NPN 5~36V	N.O. N.C.	ICU1-D040.8N-A3U2 ICU1-D040.8N-B3U2	ICU1-D040.8N-ACU3 ICU1-D040.8N-BCU3	ICU1-D040.8N-ACU3/SN8 ICU1-D040.8N-BCU3/SN8
	PNP 5~36V	N.O. N.C.	ICU1-D040.8P-A3U2 ICU1-D040.8P-B3U2	ICU1-D040.8P-ACU3 ICU1-D040.8P-BCU3	ICU1-D040.8P-ACU3/SN8 ICU1-D040.8P-BCU3/SN8
	NAMUR 6~12V		FCU1-D040.8NU		
Extended	DC 2-wire 10-60V	N.O. N.C.	ECU1-D0401C-A2U2/EM08 ECU1-D0401C-B2U2/EM08		
	NPN 10~30V	N.O. N.C.	ECU1-D0401N-A3U2 ECU1-D0401N-B3U2	ECU1-D0401N-ACU3 ECU1-D0401N-BCU3	ECU1-D0401N-ACU3/SN8 ECU1-D0401N-BCU3/SN8
	PNP 10~30V	N.O. N.C.	ECU1-D0401P-A3U2 ECU1-D0401P-B3U2	ECU1-D0401P-ACU3 ECU1-D0401P-BCU3	ECU1-D0401P-ACU3/SN8 ECU1-D0401P-BCU3/SN8
	NAMUR 6~12V		ECU1-D0401NU		

Mini Cylindrical Metal Barrel



Connection			Ø5 x 20 2 m Cable	Ø5 x 25 2 m Cable	Ø5 x 40 M8 Connector
Series			Ø5		
Switching Distance Sn (mm)			Standard: 1.0, Long: 1.5		
Standard	DC 2-wire	10-60V	N.O. N.C.	FCU1-D0501C-A2U2/EM08 FCU1-D0501C-B2U2/EM08	
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D0501N-A3U2 FCU1-D0501N-B3U2	FCU1-D0501N-ACU3 FCU1-D0501N-BCU3
		PNP 10~30V	N.O. N.C.	FCU1-D0501P-A3U2 FCU1-D0501P-B3U2	FCU1-D0501P-ACU3 FCU1-D0501P-BCU3
		NPN 5~36V	N.O. N.C.	ICU1-D0501N-A3U2 ICU1-D0501N-B3U2	ICU1-D0501N-ACU3 ICU1-D0501N-BCU3
		PNP 5~36V	N.O. N.C.	ICU1-D0501P-A3U2 ICU1-D0501P-B3U2	ICU1-D0501P-ACU3 ICU1-D0501P-BCU3
	NAMUR	6~12V	FCU1-D0501NU		
	DC 2-wire	10-60V	N.O. N.C.	LCU1-D051.5C-A2U2/EM08 LCU1-D051.5C-B2U2/EM08	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCU1-D051.5N-A3U2 LCU1-D051.5N-B3U2	LCU1-D051.5N-ACU3 LCU1-D051.5N-BCU3
		PNP 10~30V	N.O. N.C.	LCU1-D051.5P-A3U2 LCU1-D051.5P-B3U2	LCU1-D051.5P-ACU3 LCU1-D051.5P-BCU3
	NAMUR	6~12V	LCU1-D051.5NU		

Mini Cylindrical Metal Barrel



				Ø6.5 x 18	Ø6.5 x 18	Ø6.5 x 32	Ø6.5 x 32
Connection				2 m Cable	2 m 90° Cable	M8 Connector	M8 Snap-In Connector
Series				Ø6.5			
Switching Distance Sn (mm)				Standard: 1.0, Extended: 2.0, Long: 3.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D0601N-A3R2 FCU1-D0601N-B3R2	FCU1-D0601N-A3R2Y FCU1-D0601N-B3R2Y	FCU1-D0601N-ACR3 FCU1-D0601N-BCR3	FCU1-D0601N-ACR3/SN8 FCU1-D0601N-BCR3/SN8
		PNP 10~30V	N.O. N.C.	FCU1-D0601P-A3R2 FCU1-D0601P-B3R2	FCU1-D0601P-A3R2Y FCU1-D0601P-B3R2Y	FCU1-D0601P-ACR3 FCU1-D0601P-BCR3	FCU1-D0601P-ACR3/SN8 FCU1-D0601P-BCR3/SN8
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	ECU1-D0602N-A3R2 ECU1-D0602N-B3R2	ECU1-D0602N-A3R2Y ECU1-D0602N-B3R2Y	ECU1-D0602N-ACR3 ECU1-D0602N-BCR3	ECU1-D0602N-ACR3/SN8 ECU1-D0602N-BCR3/SN8
		PNP 10~30V	N.O. N.C.	ECU1-D0602P-A3R2 ECU1-D0602P-B3R2	ECU1-D0602P-A3R2Y ECU1-D0602P-B3R2Y	ECU1-D0602P-ACR3 ECU1-D0602P-BCR3	ECU1-D0602P-ACR3/SN8 ECU1-D0602P-BCR3/SN8
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCU1-D0603N-A3R2 LCU1-D0603N-B3R2	LCU1-D0603N-A3R2Y LCU1-D0603N-B3R2Y	LCU1-D0603N-ACR3 LCU1-D0603N-BCR3	LCU1-D0603N-ACR3/SN8 LCU1-D0603N-BCR3/SN8
		PNP 10~30V	N.O. N.C.	LCU1-D0603P-A3R2 LCU1-D0603P-B3R2	LCU1-D0603P-A3R2Y LCU1-D0603P-B3R2Y	LCU1-D0603P-ACR3 LCU1-D0603P-BCR3	LCU1-D0603P-ACR3/SN8 LCU1-D0603P-BCR3/SN8



Connection			Ø8 x 18		Ø8 x 32		
			2 m Cable		M8 Connector		
Series			Ø8				
Switching Distance Sn (mm)			Standard: 1.0, Extended: 2.0, Long: 3.0				
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D0801N-A3R2 FCU1-D0801N-B3R2		FCU1-D0801N-ACR3 FCU1-D0801N-BCR3	
		PNP 10~30V	N.O. N.C.	FCU1-D0801P-A3R2 FCU1-D0801P-B3R2		FCU1-D0801P-ACR3 FCU1-D0801P-BCR3	
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	ECU1-D0802N-A3R2 ECU1-D0802N-B3R2		ECU1-D0802N-ACR3 ECU1-D0802N-BCR3	
		PNP 10~30V	N.O. N.C.	ECU1-D0802P-A3R2 ECU1-D0802P-B3R2		ECU1-D0802P-ACR3 ECU1-D0802P-BCR3	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCU1-D0803N-A3R2 LCU1-D0803N-B3R2		LCU1-D0803N-ACR3 LCU1-D0803N-BCR3	
		PNP 10~30V	N.O. N.C.	LCU1-D0803P-A3R2 LCU1-D0803P-B3R2		LCU1-D0803P-ACR3 LCU1-D0803P-BCR3	

Mini Cylindrical Metal Barrel



M4 x 25

M4 x 25

Connection	2 m Cable	M8 Pigtail
Series	M4	
Switching Distance Sn (mm)	Standard: 0.8, Long: 1.0	

Standard	DC 2-wire	10-60V	N.O. N.C.	FCU1-040.8C-A2U2/EM08 FCU1-040.8C-B2U2/EM08	
		NPN 10~30V	N.O. N.C.	FCU1-040.8N-A3U2 FCU1-040.8N-B3U2	FCU1-040.8N-A3U0.2/P8 FCU1-040.8N-B3U0.2/P8
		PNP 10~30V	N.O. N.C.	FCU1-040.8P-A3U2 FCU1-040.8P-B3U2	FCU1-040.8P-A3U0.2/P8 FCU1-040.8P-B3U0.2/P8
	DC 3-wire				
		NPN 5~36V	N.O. N.C.	ICU1-040.8N-A3U2 ICU1-040.8N-B3U2	ICU1-040.8N-A3U0.2/P8 ICU1-040.8N-B3U0.2/P8
		PNP 5~36V	N.O. N.C.	ICU1-040.8P-A3U2 ICU1-040.8P-B3U2	ICU1-040.8P-A3U0.2/P8 ICU1-040.8P-B3U0.2/P8
	NAMUR	6~12V		FCU1-040.8NU	FCU1-040.8NU/P8
Long	DC 2-wire	10-60V	N.O. N.C.	LCU1-0401C-A2U2/EM08 LCU1-0401C-B2U2/EM08	
		NPN 10~30V	N.O. N.C.	LCU1-0401N-A3U2 LCU1-0401N-B3U2	LCU1-0401N-A3U0.2/P8 LCU1-0401N-B3U0.2/P8
	DC 3-wire				
		PNP 10~30V	N.O. N.C.	LCU1-0401P-A3U2 LCU1-0401P-B3U2	LCU1-0401P-A3U0.2/P8 LCU1-0401P-B3U0.2/P8
	NAMUR	6~12V		LCU1-0401NU	

Mini Cylindrical Metal Barrel



M4 x 25



M4 x 25



M4 x 38

Connection			Ø5 Snap-In Pigtail	Ø8 Snap-In Pigtail	M8 Connector	
Series			M4			
Switching Distance Sn (mm)			Standard: 0.8, Long: 1.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-040.8N-A3U0.2/SN5 FCU1-040.8N-B3U0.2/SN5	FCU1-040.8N-A3U0.2/SN8 FCU1-040.8N-B3U0.2/SN8	FCU1-040.8N-ACU3 FCU1-040.8N-BCU3
		PNP 10~30V	N.O. N.C.	FCU1-040.8P-A3U0.2/SN5 FCU1-040.8P-B3U0.2/SN5	FCU1-040.8P-A3U0.2/SN8 FCU1-040.8P-B3U0.2/SN8	FCU1-040.8P-ACU3 FCU1-040.8P-BCU3
		NPN 5~36V	N.O. N.C.	ICU1-040.8N-A3U0.2/SN5 ICU1-040.8N-B3U0.2/SN5	ICU1-040.8N-A3U0.2/SN8 ICU1-040.8N-B3U0.2/SN8	ICU1-040.8N-ACU3 ICU1-040.8N-BCU3
		PNP 5~36V	N.O. N.C.	ICU1-040.8P-A3U0.2/SN5 ICU1-040.8P-B3U0.2/SN5	ICU1-040.8P-A3U0.2/SN8 ICU1-040.8P-B3U0.2/SN8	ICU1-040.8P-ACU3 ICU1-040.8P-BCU3
	NAMUR	6~12V		FCU1-040.8NU/SN5	FCU1-040.8NU/SN8	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCU1-0401N-A3U0.2/SN5 LCU1-0401N-B3U0.2/SN5	LCU1-0401N-A3U0.2/SN8 LCU1-0401N-B3U0.2/SN8	LCU1-0401N-ACU3 LCU1-0401N-BCU3
		PNP 10~30V	N.O. N.C.	LCU1-0401P-A3U0.2/SN5 LCU1-0401P-B3U0.2/SN5	LCU1-0401P-A3U0.2/SN8 LCU1-0401P-B3U0.2/SN8	LCU1-0401P-ACU3 LCU1-0401P-BCU3

Mini Cylindrical Metal Barrel



			M5 x 25		M5 x 38		M5 x 40	
Connection			2 m Cable		M5 Connector		M8 Connector	
Series			M5					
Switching Distance Sn (mm)			Standard: 0.8, Extended: 1.0, Long: 1.5					
Standard	DC 2-wire	10~60V	N.O. N.C.	FCU1-050.8C-A2U2/EM08 FCU1-050.8C-B2U2/EM08				
		NPN 10~30V	N.O. N.C.	FCU1-050.8N-A3U2 FCU1-050.8N-B3U2		FCU1-050.8N-AMU4 FCU1-050.8N-BMU4		FCU1-050.8N-ACU3 FCU1-050.8N-BCU3
	DC 3-wire							
		PNP 10~30V	N.O. N.C.	FCU1-050.8P-A3U2 FCU1-050.8P-B3U2		FCU1-050.8P-AMU4 FCU1-050.8P-BMU4		FCU1-050.8P-ACU3 FCU1-050.8P-BCU3
Extended	DC 2-wire	10~60V	N.O. N.C.	ECU1-0501C-A2U2/EM08 ECU1-0501C-B2U2/EM08				
		NPN 10~30V	N.O. N.C.	ECU1-0501N-A3U2 ECU1-0501N-B3U2		ECU1-0501N-AMU4 ECU1-0501N-BMU4		ECU1-0501N-ACU3 ECU1-0501N-BCU3
	DC 3-wire							
		PNP 10~30V	N.O. N.C.	ECU1-0501P-A3U2 ECU1-0501P-B3U2		ECU1-0501P-AMU4 ECU1-0501P-BMU4		ECU1-0501P-ACU3 ECU1-0501P-BCU3
Long		NPN 10~30V	N.O. N.C.	LCU1-051.5N-A3U2 LCU1-051.5N-B3U2		LCU1-051.5N-AMU4 LCU1-051.5N-BMU4		LCU1-051.5N-ACU3 LCU1-051.5N-BCU3
	DC 3-wire							
		PNP 10~30V	N.O. N.C.	LCU1-051.5P-A3U2 LCU1-051.5P-B3U2		LCU1-051.5P-AMU4 LCU1-051.5P-BMU4		LCU1-051.5P-ACU3 LCU1-051.5P-BCU3



			M5 x 38	M5 x 38
Connection			M5 Snap-In Connector	M8 Snap-In Connector
Series			M5	
Switching Distance Sn (mm)			Standard: 0.8, Extended: 1.0, Long: 1.5	
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-050.8N-AMU4/SN5 FCU1-050.8N-BMU4/SN5	FCU1-050.8N-ACU3/SN8 FCU1-050.8N-BCU3/SN8
		PNP 10~30V N.O. N.C.	FCU1-050.8P-AMU4/SN5 FCU1-050.8P-BMU4/SN5	FCU1-050.8P-ACU3/SN8 FCU1-050.8P-BCU3/SN8
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-0501N-AMU4/SN5 ECU1-0501N-BMU4/SN5	ECU1-0501N-ACU3/SN8 ECU1-0501N-BCU3/SN8
		PNP 10~30V N.O. N.C.	ECU1-0501P-AMU4/SN5 ECU1-0501P-BMU4/SN5	ECU1-0501P-ACU3/SN8 ECU1-0501P-BCU3/SN8
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-051.5N-AMU4/SN5 LCU1-051.5N-BMU4/SN5	LCU1-051.5N-ACU3/SN8 LCU1-051.5N-BCU3/SN8
		PNP 10~30V N.O. N.C.	LCU1-051.5P-AMU4/SN5 LCU1-051.5P-BMU4/SN5	LCU1-051.5P-ACU3/SN8 LCU1-051.5P-BCU3/SN8

Mini Cylindrical Metal Barrel



Connection			M8 x 18 2 m Cable	M8 x 32 M8 Snap-In Connector	M8 x 32 M8 Connector
Series			M8		
Switching Distance Sn (mm)			Standard: 1.0, Extended: 2.0, Long: 3.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-0801N-A3R2 FCU1-0801N-B3R2	FCU1-0801N-ACR3/SN8 FCU1-0801N-BCR3/SN8	FCU1-0801N-ACR3 FCU1-0801N-BCR3
		PNP 10~30V N.O. N.C.	FCU1-0801P-A3R2 FCU1-0801P-B3R2	FCU1-0801P-ACR3/SN8 FCU1-0801P-BCR3/SN8	FCU1-0801P-ACR3 FCU1-0801P-BCR3
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-0802N-A3R2 ECU1-0802N-B3R2	ECU1-0802N-ACR3/SN8 ECU1-0802N-BCR3/SN8	ECU1-0802N-ACR3 ECU1-0802N-BCR3
		PNP 10~30V N.O. N.C.	ECU1-0802P-A3R2 ECU1-0802P-B3R2	ECU1-0802P-ACR3/SN8 ECU1-0802P-BCR3/SN8	ECU1-0802P-ACR3 ECU1-0802P-BCR3
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-0803N-A3R2 LCU1-0803N-B3R2	LCU1-0803N-ACR3/SN8 LCU1-0803N-BCR3/SN8	LCU1-0803N-ACR3 LCU1-0803N-BCR3
		PNP 10~30V N.O. N.C.	LCU1-0803P-A3R2 LCU1-0803P-B3R2	LCU1-0803P-ACR3/SN8 LCU1-0803P-BCR3/SN8	LCU1-0803P-ACR3 LCU1-0803P-BCR3



Connection			M8 x 16 2 m Cable	M8 x 16 M12 Pigtail
Series			M8	
Switching Distance Sn (mm)			Standard: 1.0, Extended: 2.0	
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-0801N-A3R2/16mm FCU1-0801N-B3R2/16mm	FCU1-0801N-A3R0.3/P12/16mm FCU1-0801N-B3R0.3/P12/16mm
		PNP 10~30V N.O. N.C.	FCU1-0801P-A3R2/16mm FCU1-0801P-B3R2/16mm	FCU1-0801P-A3R0.3/P12/16mm FCU1-0801P-B3R0.3/P12/16mm
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-0802N-A3R2/16mm ECU1-0802N-B3R2/16mm	ECU1-0802N-A3R0.3/P12/16mm ECU1-0802N-B3R0.3/P12/16mm
		PNP 10~30V N.O. N.C.	ECU1-0802P-A3R2/16mm ECU1-0802P-B3R2/16mm	ECU1-0802P-A3R0.3/P12/16mm ECU1-0802P-B3R0.3/P12/16mm

Mini Cylindrical Metal Barrel



M12 x 12



M12 x 12

Connection			2 m Cable	M12 Pigtail
Series			M12	
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0	
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-1202N-A3R2/12mm FCU1-1202N-B3R2/12mm	FCU1-1202N-A3R0.3/P12/12mm FCU1-1202N-B3R0.3/P12/12mm
		PNP 10~30V N.O. N.C.	FCU1-1202P-A3R2/12mm FCU1-1202P-B3R2/12mm	FCU1-1202P-A3R0.3/P12/12mm FCU1-1202P-B3R0.3/P12/12mm
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-1204N-A3R2/12mm ECU1-1204N-B3R2/12mm	ECU1-1204N-A3R0.3/P12/12mm ECU1-1204N-B3R0.3/P12/12mm
		PNP 10~30V N.O. N.C.	ECU1-1204P-A3R2/12mm ECU1-1204P-B3R2/12mm	ECU1-1204P-A3R0.3/P12/12mm ECU1-1204P-B3R0.3/P12/12mm



M18 x 12



M18 x 12

Connection			2 m Cable	M12 Pigtail
Series			M18	
Switching Distance Sn (mm)			Standard: 4.0, Extended: 8.0	
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-1804N-A3R2/12mm FCU1-1804N-B3R2/12mm	FCU1-1804N-A3R0.3/P12/12mm FCU1-1804N-B3R0.3/P12/12mm
		PNP 10~30V N.O. N.C.	FCU1-1804P-A3R2/12mm FCU1-1804P-B3R2/12mm	FCU1-1804P-A3R0.3/P12/12mm FCU1-1804P-B3R0.3/P12/12mm
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-1808N-A3R2/12mm ECU1-1808N-B3R2/12mm	ECU1-1808N-A3R0.3/P12/12mm ECU1-1808N-B3R0.3/P12/12mm
		PNP 10~30V N.O. N.C.	ECU1-1808P-A3R2/12mm ECU1-1808P-B3R2/12mm	ECU1-1808P-A3R0.3/P12/12mm ECU1-1808P-B3R0.3/P12/12mm

Side Sensing Cylindrical Metal Barrel



Ø4 x 30



Ø4 x 30



Ø4 x 30

Connection			2 m Cable	M5 Pigtail	M8 Pigtail
Series			Ø4		
Switching Distance Sn (mm)			Standard: 0.8		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-D040.8N-A3U2T FCU1-D040.8N-B3U2T	FCU1-D040.8N-A3U0.2T/P5 FCU1-D040.8N-B3U0.2T/P5	FCU1-D040.8N-A3U0.2T/P8 FCU1-D040.8N-B3U0.2T/P8
		PNP 10~30V N.O. N.C.	FCU1-D040.8P-A3U2T FCU1-D040.8P-B3U2T	FCU1-D040.8P-A3U0.2T/P5 FCU1-D040.8P-B3U0.2T/P5	FCU1-D040.8P-A3U0.2T/P8 FCU1-D040.8P-B3U0.2T/P8
		NPN 5~36V N.O. N.C.	ICU1-D040.8N-A3U2T ICU1-D040.8N-B3U2T	ICU1-D040.8N-A3U0.2T/P5 ICU1-D040.8N-B3U0.2T/P5	ICU1-D040.8N-A3U0.2T/P8 ICU1-D040.8N-B3U0.2T/P8
		PNP 5~36V N.O. N.C.	ICU1-D040.8P-A3U2T ICU1-D040.8P-B3U2T	ICU1-D040.8P-A3U0.2T/P5 ICU1-D040.8P-B3U0.2T/P5	ICU1-D040.8P-A3U0.2T/P8 ICU1-D040.8P-B3U0.2T/P8
	NAMUR	6~12V	FCU1-D040.8NUT	FCU1-D040.8NUT/P5	FCU1-D040.8NUT/P8



Ø4 x 30



Ø4 x 30

Connection			Ø5 Snap-In Pigtail	Ø8 Snap-In Pigtail
Series			Ø4	
Switching Distance Sn (mm)			Standard: 0.8	
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-D040.8N-A3U0.2T/SN5 FCU1-D040.8N-B3U0.2T/SN5	FCU1-D040.8N-A3U0.2T/SN8 FCU1-D040.8N-B3U0.2T/SN8
		PNP 10~30V N.O. N.C.	FCU1-D040.8P-A3U0.2T/SN5 FCU1-D040.8P-B3U0.2T/SN5	FCU1-D040.8P-A3U0.2T/SN8 FCU1-D040.8P-B3U0.2T/SN8
		NPN 5~36V N.O. N.C.	ICU1-D040.8N-A3U0.2T/SN5 ICU1-D040.8N-B3U0.2T/SN5	ICU1-D040.8N-A3U0.2T/SN8 ICU1-D040.8N-B3U0.2T/SN8
		PNP 5~36V N.O. N.C.	ICU1-D040.8P-A3U0.2T/SN5 ICU1-D040.8P-B3U0.2T/SN5	ICU1-D040.8P-A3U0.2T/SN8 ICU1-D040.8P-B3U0.2T/SN8
	NAMUR	6~12V	FCU1-D040.8NUT/SN5	FCU1-D040.8NUT/SN8

Side Sensing Cylindrical Metal Barrel



Ø4 x 40



Ø4 x 40



Ø5 x 45

Connection	M8 Connector	Ø8 Snap-In Pigtail	M8 Connector
Series	Ø4		Ø5
Switching Distance Sn (mm)	Standard: 0.8		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D040.8N-ACU3T FCU1-D040.8N-BCU3T	FCU1-D040.8N-ACU3T/SN8 FCU1-D040.8N-BCU3T/SN8	FCU1-D050.8N-ACU3T FCU1-D050.8N-BCU3T
		PNP 10~30V	N.O. N.C.	FCU1-D040.8P-ACU3T FCU1-D040.8P-BCU3T	FCU1-D040.8P-ACU3T/SN8 FCU1-D040.8P-BCU3T/SN8	FCU1-D050.8P-ACU3T FCU1-D050.8P-BCU3T
		NPN 5~36V	N.O. N.C.	ICU1-D040.8N-ACU3T ICU1-D040.8N-BCU3T	ICU1-D040.8N-ACU3T/SN8 ICU1-D040.8N-BCU3T/SN8	ICU1-D050.8N-ACU3T ICU1-D050.8N-BCU3T
		PNP 5~36V	N.O. N.C.	ICU1-D040.8P-ACU3T ICU1-D040.8P-BCU3T	ICU1-D040.8P-ACU3T/SN8 ICU1-D040.8P-BCU3T/SN8	ICU1-D050.8P-ACU3T ICU1-D050.8P-BCU3T



Ø6.5 x 30



Ø6.5 x 30



Ø6.5 x 30

Connection	2 m Cable	M5 Pigtail	M8 Pigtail
Series	Ø6.5		
Switching Distance Sn (mm)	Standard: 1.0 - 1.5		Standard: 1.0

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D0601N-A3U2T FCU1-D0601N-B3U2T	FCU1-D0601N-A3U0.2T/P5 FCU1-D0601N-B3U0.2T/P5	FCU1-D0601N-A3U0.2T/P8 FCU1-D0601N-B3U0.2T/P8
		PNP 10~30V	N.O. N.C.	FCU1-D0601P-A3U2T FCU1-D0601P-B3U2T	FCU1-D0601P-A3U0.2T/P5 FCU1-D0601P-B3U0.2T/P5	FCU1-D0601P-A3U0.2T/P8 FCU1-D0601P-B3U0.2T/P8
		NPN 5~36V	N.O. N.C.	ICU1-D0601N-A3U2T ICU1-D0601N-B3U2T	ICU1-D0601N-A3U0.2T/P5 ICU1-D0601N-B3U0.2T/P5	ICU1-D0601N-A3U0.2T/P8 ICU1-D0601N-B3U0.2T/P8
		PNP 5~36V	N.O. N.C.	ICU1-D0601P-A3U2T ICU1-D0601P-B3U2T	ICU1-D0601P-A3U0.2T/P5 ICU1-D0601P-B3U0.2T/P5	ICU1-D0601P-A3U0.2T/P8 ICU1-D0601P-B3U0.2T/P8
		NAMUR 6~12V		FCU1-D061.5NUT FCM1-D061.5NUT		

Side Sensing Cylindrical Metal Barrel



Ø6.5 x 30



Ø6.5 x 30



Ø6.5 x 60

Connection	Ø5 Snap-In Pigtail	Ø8 Snap-In Pigtail	M8 Connector
Series	Ø6.5		
Switching Distance Sn (mm)	Standard: 1.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D0601N-A3U0.2T/SN5 FCU1-D0601N-B3U0.2T/SN5	FCU1-D0601N-A3U0.2T/SN8 FCU1-D0601N-B3U0.2T/SN8	FCU1-D0601N-ACU3T FCU1-D0601N-BCU3T
		PNP 10~30V	N.O. N.C.	FCU1-D0601P-A3U0.2T/SN5 FCU1-D0601P-B3U0.2T/SN5	FCU1-D0601P-A3U0.2T/SN8 FCU1-D0601P-B3U0.2T/SN8	FCU1-D0601P-ACU3T FCU1-D0601P-BCU3T
		NPN 5~36V	N.O. N.C.	ICU1-D0601N-A3U0.2T/SN5 ICU1-D0601N-B3U0.2T/SN5	ICU1-D0601N-A3U0.2T/SN8 ICU1-D0601N-B3U0.2T/SN8	ICU1-D0601N-ACU3T ICU1-D0601N-BCU3T
		PNP 5~36V	N.O. N.C.	ICU1-D0601P-A3U0.2T/SN5 ICU1-D0601P-B3U0.2T/SN5	ICU1-D0601P-A3U0.2T/SN8 ICU1-D0601P-B3U0.2T/SN8	ICU1-D0601P-ACU3T ICU1-D0601P-BCU3T



Ø6.5 x 60



M5 x 30



M8 x 45

Connection	M12 Connector	2 m Cable	2 m Cable
Series	Ø6.5	M5	M8
Switching Distance Sn (mm)	Standard: 1.0	Standard: 0.8	Standard: 1.0 - 1.5

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-D0601N-ARU4T FCU1-D0601N-BRU4T	FCU1-050.8N-A3U2T FCU1-050.8N-B3U2T	FCU1-0801N-A3U2T FCU1-0801N-B3U2T
		PNP 10~30V	N.O. N.C.	FCU1-D0601P-ARU4T FCU1-D0601P-BRU4T	FCU1-050.8P-A3U2T FCU1-050.8P-B3U2T	FCU1-0801P-A3U2T FCU1-0801P-B3U2T
		NPN 5~36V	N.O. N.C.	ICU1-D0601N-ARU4T ICU1-D0601N-BRU4T	ICU1-050.8N-A3U2T ICU1-050.8N-B3U2T	ICU1-081.5N-A3U2T ICU1-081.5N-B3U2T
		PNP 5~36V	N.O. N.C.	ICU1-D0601P-ARU4T ICU1-D0601P-BRU4T	ICU1-050.8P-A3U2T ICU1-050.8P-B3U2T	ICU1-081.5P-A3U2T ICU1-081.5P-B3U2T
	NAMUR	6~12V			FCU1-050.8NUT	FCU1-0801NUT FCM1-0801NUT FCU1-081.5NUT FCM1-081.5NUT

Side Sensing Cylindrical Metal Barrel



M8 x 45



M8 x 45



M8 x 60

Connection	M8 Pigtail	Ø8 Snap-In Pigtail	M8 Connector
Series	M8		
Switching Distance Sn (mm)	Standard: 1.0 - 1.5		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCU1-0801N-A3U0.2T/P8 FCU1-0801N-B3U0.2T/P8	FCU1-0801N-A3U0.2T/SN8 FCU1-0801N-B3U0.2T/SN8	FCU1-0801N-ACU3T FCU1-0801N-BCU3T
		PNP 10~30V	N.O. N.C.	FCU1-0801P-A3U0.2T/P8 FCU1-0801P-B3U0.2T/P8	FCU1-0801P-A3U0.2T/SN8 FCU1-0801P-B3U0.2T/SN8	FCU1-0801P-ACU3T FCU1-0801P-BCU3T
		NPN 5~36V	N.O. N.C.	ICU1-081.5N-A3U0.2T/P8 ICU1-081.5N-B3U0.2T/P8	ICU1-081.5N-A3U0.2T/SN8 ICU1-081.5N-B3U0.2T/SN8	ICU1-0801N-ACU3T ICU1-0801N-BCU3T
		PNP 5~36V	N.O. N.C.	ICU1-081.5P-A3U0.2T/P8 ICU1-081.5P-B3U0.2T/P8	ICU1-081.5P-A3U0.2T/SN8 ICU1-081.5P-B3U0.2T/SN8	ICU1-0801P-ACU3T ICU1-0801P-BCU3T

Mini Side Sensing Cuboid Metal Housing



5 x 5 x 26



5 x 5 x 26



5 x 5 x 26



5 x 5 x 26

Connection			2 m Cable	M5 Pigtail	M8 Pigtail	Ø5 Snap-In Pigtail
Series			Q5 x 5 x 26			
Switching Distance Sn (mm)			Standard: 0.8, Extended: 1.0, Long: 1.5			
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FQM1-550.8N-A3U2T FQM1-550.8N-B3U2T	FQM1-550.8N-A3U0.2T/P5 FQM1-550.8N-B3U0.2T/P5	FQM1-550.8N-A3U0.2T/P8 FQM1-550.8N-B3U0.2T/P8	FQM1-550.8N-A3U0.2T/SN5 FQM1-550.8N-B3U0.2T/SN5
		PNP 10~30V N.O. N.C.	FQM1-550.8P-A3U2T FQM1-550.8P-B3U2T	FQM1-550.8P-A3U0.2T/P5 FQM1-550.8P-B3U0.2T/P5	FQM1-550.8P-A3U0.2T/P8 FQM1-550.8P-B3U0.2T/P8	FQM1-550.8P-A3U0.2T/SN5 FQM1-550.8P-B3U0.2T/SN5
		NPN 5~36V N.O. N.C.	IQM1-550.8N-A3U2T IQM1-550.8N-B3U2T	IQM1-550.8N-A3U0.2T/P5 IQM1-550.8N-B3U0.2T/P5	IQM1-550.8N-A3U0.2T/P8 IQM1-550.8N-B3U0.2T/P8	IQM1-550.8N-A3U0.2T/SN5 IQM1-550.8N-B3U0.2T/SN5
		PNP 5~36V N.O. N.C.	IQM1-550.8P-A3U2T IQM1-550.8P-B3U2T	IQM1-550.8P-A3U0.2T/P5 IQM1-550.8P-B3U0.2T/P5	IQM1-550.8P-A3U0.2T/P8 IQM1-550.8P-B3U0.2T/P8	IQM1-550.8P-A3U0.2T/SN5 IQM1-550.8P-B3U0.2T/SN5
	NAMUR	6~12V	FQM1-550.8NUT	FQM1-550.8NUT/P5	FQM1-550.8NUT/P8	FQM1-550.8NUT/SN5
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	EQM1-5501N-A3U2T EQM1-5501N-B3U2T	EQM1-5501N-A3U0.2T/P5 EQM1-5501N-B3U0.2T/P5	EQM1-5501N-A3U0.2T/P8 EQM1-5501N-B3U0.2T/P8	EQM1-5501N-A3U0.2T/SN5 EQM1-5501N-B3U0.2T/SN5
		PNP 10~30V N.O. N.C.	EQM1-5501P-A3U2T EQM1-5501P-B3U2T	EQM1-5501P-A3U0.2T/P5 EQM1-5501P-B3U0.2T/P5	EQM1-5501P-A3U0.2T/P8 EQM1-5501P-B3U0.2T/P8	EQM1-5501P-A3U0.2T/SN5 EQM1-5501P-B3U0.2T/SN5
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LQM1-551.5N-A3U2T LQM1-551.5N-B3U2T	LQM1-551.5N-A3U0.2T/P5 LQM1-551.5N-B3U0.2T/P5	LQM1-551.5N-A3U0.2T/P8 LQM1-551.5N-B3U0.2T/P8	LQM1-551.5N-A3U0.2T/SN5 LQM1-551.5N-B3U0.2T/SN5
		PNP 10~30V N.O. N.C.	LQM1-551.5P-A3U2T LQM1-551.5P-B3U2T	LQM1-551.5P-A3U0.2T/P5 LQM1-551.5P-B3U0.2T/P5	LQM1-551.5P-A3U0.2T/P8 LQM1-551.5P-B3U0.2T/P8	LQM1-551.5P-A3U0.2T/SN5 LQM1-551.5P-B3U0.2T/SN5

Mini Side Sensing Cuboid Metal Housing



5 x 5 x 26



5 x 8 x 40



5 x 8 x 40



5 x 8 x 40

Connection			Ø8 Snap-In Pigtail	2 m Cable	M5 Pigtail	M8 Pigtail	
Series			Q5 x 5 x 26		Q5 x 8 x 40		
Switching Distance Sn (mm)			Standard: 0.8, Extended: 1.0, Long: 1.5				
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FQM1-550.8N-A3U0.2T/SN8 FQM1-550.8N-B3U0.2T/SN8	FQM1-580.8N-A3U2T FQM1-580.8N-B3U2T	FQM1-580.8N-A3U0.2T/P5 FQM1-580.8N-B3U0.2T/P5	FQM1-580.8N-A3U0.2T/P8 FQM1-580.8N-B3U0.2T/P8
		PNP 10~30V	N.O. N.C.	FQM1-550.8P-A3U0.2T/SN8 FQM1-550.8P-B3U0.2T/SN8	FQM1-580.8P-A3U2T FQM1-580.8P-B3U2T	FQM1-580.8P-A3U0.2T/P5 FQM1-580.8P-B3U0.2T/P5	FQM1-580.8P-A3U0.2T/P8 FQM1-580.8P-B3U0.2T/P8
		NPN 5~36V	N.O. N.C.	IQM1-550.8N-A3U0.2T/SN8 IQM1-550.8N-B3U0.2T/SN8	IQM1-580.8N-A3U2T IQM1-580.8N-B3U2T	IQM1-580.8N-A3U0.2T/P5 IQM1-580.8N-B3U0.2T/P5	IQM1-580.8N-A3U0.2T/P8 IQM1-580.8N-B3U0.2T/P8
		PNP 5~36V	N.O. N.C.	IQM1-550.8P-A3U0.2T/SN8 IQM1-550.8P-B3U0.2T/SN8	IQM1-580.8P-A3U2T IQM1-580.8P-B3U2T	IQM1-580.8P-A3U0.2T/P5 IQM1-580.8P-B3U0.2T/P5	IQM1-580.8P-A3U0.2T/P8 IQM1-580.8P-B3U0.2T/P8
	NAMUR	6~12V		FQM1-550.8NUT/SN8	FQM1-580.8NUT	FQM1-580.8NUT/P5	FQM1-580.8NUT/P8
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	EQM1-5501N-A3U0.2T/SN8 EQM1-5501N-B3U0.2T/SN8	EQM1-5801N-A3U2T EQM1-5801N-B3U2T	EQM1-5801N-A3U0.2T/P5 EQM1-5801N-B3U0.2T/P5	EQM1-5801N-A3U0.2T/P8 EQM1-5801N-B3U0.2T/P8
		PNP 10~30V	N.O. N.C.	EQM1-5501P-A3U0.2T/SN8 EQM1-5501P-B3U0.2T/SN8	EQM1-5801P-A3U2T EQM1-5801P-B3U2T	EQM1-5801P-A3U0.2T/P5 EQM1-5801P-B3U0.2T/P5	EQM1-5801P-A3U0.2T/P8 EQM1-5801P-B3U0.2T/P8
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LQM1-551.5N-A3U0.2T/SN8 LQM1-551.5N-B3U0.2T/SN8	LQM1-581.5N-A3U2T LQM1-581.5N-B3U2T	LQM1-581.5N-A3U0.2T/P5 LQM1-581.5N-B3U0.2T/P5	LQM1-581.5N-A3U0.2T/P8 LQM1-581.5N-B3U0.2T/P8
		PNP 10~30V	N.O. N.C.	LQM1-551.5P-A3U0.2T/SN8 LQM1-551.5P-B3U0.2T/SN8	LQM1-581.5P-A3U2T LQM1-581.5P-B3U2T	LQM1-581.5P-A3U0.2T/P5 LQM1-581.5P-B3U0.2T/P5	LQM1-581.5P-A3U0.2T/P8 LQM1-581.5P-B3U0.2T/P8

Mini Side Sensing Cuboid Metal Housing



5 x 8 x 40



5 x 8 x 40

Connection			Ø5 Snap-In Pigtail		Ø8 Snap-In Pigtail	
Series			Q5 x 8 x 40			
Switching Distance Sn (mm)			Standard: 0.8, Extended: 1.0, Long: 1.5			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FQM1-580.8N-A3U0.2T/SN5 FQM1-580.8N-B3U0.2T/SN5		FQM1-580.8N-A3U0.2T/SN8 FQM1-580.8N-B3U0.2T/SN8
		PNP 10~30V	N.O. N.C.	FQM1-580.8P-A3U0.2T/SN5 FQM1-580.8P-B3U0.2T/SN5		FQM1-580.8P-A3U0.2T/SN8 FQM1-580.8P-B3U0.2T/SN8
		NPN 5~36V	N.O. N.C.	IQM1-580.8N-A3U0.2T/SN5 IQM1-580.8N-B3U0.2T/SN5		IQM1-580.8N-A3U0.2T/SN8 IQM1-580.8N-B3U0.2T/SN8
		PNP 5~36V	N.O. N.C.	IQM1-580.8P-A3U0.2T/SN5 IQM1-580.8P-B3U0.2T/SN5		IQM1-580.8P-A3U0.2T/SN8 IQM1-580.8P-B3U0.2T/SN8
	NAMUR	6~12V		FQM1-580.8NUT/SN5		FQM1-580.8NUT/SN8
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	EQM1-5801N-A3U0.2T/SN5 EQM1-5801N-B3U0.2T/SN5		EQM1-5801N-A3U0.2T/SN8 EQM1-5801N-B3U0.2T/SN8
		PNP 10~30V	N.O. N.C.	EQM1-5801P-A3U0.2T/SN5 EQM1-5801P-B3U0.2T/SN5		EQM1-5801P-A3U0.2T/SN8 EQM1-5801P-B3U0.2T/SN8
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LQM1-581.5N-A3U0.2T/SN5 LQM1-581.5N-B3U0.2T/SN5		LQM1-581.5N-A3U0.2T/SN8 LQM1-581.5N-B3U0.2T/SN8
		PNP 10~30V	N.O. N.C.	LQM1-581.5P-A3U0.2T/SN5 LQM1-581.5P-B3U0.2T/SN5		LQM1-581.5P-A3U0.2T/SN8 LQM1-581.5P-B3U0.2T/SN8

Cylindrical Metal Barrel



			Ø6.5 x 45	Ø6.5 x 60	Ø6.5 x 70
Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø6.5		
Switching Distance Sn (mm)			Standard: 1.0 - 1.5, Extended: 2.0, Long: 3.0, Long+: 4.0		
Standard	DC 2-wire	10~60V N.O. N.C.	FCU1-D0601C-A2U2 FCU1-D0601C-B2U2	FCU1-D0601C-ACU3 FCU1-D0601C-BCU3	FCU1-D0601C-ARU4 FCU1-D0601C-BRU4
		10~60V N.O./N.C.	FCU1-D0601C-S2U2	FCU1-D0601C-SCU3	FCU1-D0601C-SRU4
	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-D0601N-A3U2 FCU1-D0601N-B3U2	FCU1-D0601N-ACU3 FCU1-D0601N-BCU3	FCU1-D0601N-ARU4 FCU1-D0601N-BRU4
		PNP 10~30V N.O. N.C.	FCU1-D0601P-A3U2 FCU1-D0601P-B3U2	FCU1-D0601P-ACU3 FCU1-D0601P-BCU3	FCU1-D0601P-ARU4 FCU1-D0601P-BRU4
		NPN 5~36V N.O. N.C.	ICU1-D061.5N-A3U2 ICU1-D061.5N-B3U2	ICU1-D061.5N-ACU3 ICU1-D061.5N-BCU3	ICU1-D061.5N-ARU4 ICU1-D061.5N-BRU4
		PNP 5~36V N.O. N.C.	ICU1-D061.5P-A3U2 ICU1-D061.5P-B3U2	ICU1-D061.5P-ACU3 ICU1-D061.5P-BCU3	ICU1-D061.5P-ARU4 ICU1-D061.5P-BRU4
		10~30V N.O./N.C. NPN PNP	FCU1-D0601N-S4U2 FCU1-D0601P-S4U2	FCU1-D0601N-SCU4 FCU1-D0601P-SCU4	FCU1-D0601N-SRU4 FCU1-D0601P-SRU4
		NPN/PNP 10~30V N.O./N.C.	FCU1-D0601D-S4U2	FCU1-D0601D-SCU4	FCU1-D0601D-SRU4
		3~36V N.O./N.C. NPN PNP	ICU1-D061.5N-S4U2 ICU1-D061.5P-S4U2	ICU1-D061.5N-SCU4 ICU1-D061.5P-SCU4	ICU1-D061.5N-SRU4 ICU1-D061.5P-SRU4
	NAMUR	6~12V	FCU1-D0601NU		
	DC 2-wire	10~60V N.O. N.C.	ECU1-D0602C-A2U2 ECU1-D0602C-B2U2	ECU1-D0602C-ACU3 ECU1-D0602C-BCU3	ECU1-D0602C-ARU4 ECU1-D0602C-BRU4
		10~60V N.O./N.C.	ECU1-D0602C-S2U2	ECU1-D0602C-SCU3	ECU1-D0602C-SRU4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-D0602N-A3U2 ECU1-D0602N-B3U2	ECU1-D0602N-ACU3 ECU1-D0602N-BCU3	ECU1-D0602N-ARU4 ECU1-D0602N-BRU4
		PNP 10~30V N.O. N.C.	ECU1-D0602P-A3U2 ECU1-D0602P-B3U2	ECU1-D0602P-ACU3 ECU1-D0602P-BCU3	ECU1-D0602P-ARU4 ECU1-D0602P-BRU4
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECU1-D0602N-S4U2 ECU1-D0602P-S4U2	ECU1-D0602N-SCU4 ECU1-D0602P-SCU4	ECU1-D0602N-SRU4 ECU1-D0602P-SRU4
		NPN/PNP 10~30V N.O./N.C.	ECU1-D0602D-S4U2	ECU1-D0602D-SCU4	ECU1-D0602D-SRU4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-D0603N-A3U2 LCU1-D0603N-B3U2	LCU1-D0603N-ACU3 LCU1-D0603N-BCU3	LCU1-D0603N-ARU4 LCU1-D0603N-BRU4
		PNP 10~30V N.O. N.C.	LCU1-D0603P-A3U2 LCU1-D0603P-B3U2	LCU1-D0603P-ACU3 LCU1-D0603P-BCU3	LCU1-D0603P-ARU4 LCU1-D0603P-BRU4
	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-D0604N-A3U2 LCU1-D0604N-B3U2	LCU1-D0604N-ACU3 LCU1-D0604N-BCU3	LCU1-D0604N-ARU4 LCU1-D0604N-BRU4
		PNP 10~30V N.O. N.C.	LCU1-D0604P-A3U2 LCU1-D0604P-B3U2	LCU1-D0604P-ACU3 LCU1-D0604P-BCU3	LCU1-D0604P-ARU4 LCU1-D0604P-BRU4

Cylindrical Metal Barrel



Connection			Ø6.5 x 45 2 m Cable	Ø6.5 x 60 M8 Connector	Ø6.5 x 70 M12 Connector
Series			Ø6.5		
Switching Distance Sn (mm)			Standard: 2.0 - 2.5, Extended: 4.0, Long: 6.0		
DC 2-wire	10~60V	N.O. N.C.	FCU2-D0602C-A2U2 FCU2-D0602C-B2U2	FCU2-D0602C-ACU3 FCU2-D0602C-BCU3	FCU2-D0602C-ARU4 FCU2-D0602C-BRU4
	10~60V	N.O./N.C.	FCU2-D0602C-S2U2	FCU2-D0602C-SCU3	FCU2-D0602C-SRU4
DC 3-wire	NPN 10~30V	N.O. N.C.	FCU2-D0602N-A3U2 FCU2-D0602N-B3U2	FCU2-D0602N-ACU3 FCU2-D0602N-BCU3	FCU2-D0602N-ARU4 FCU2-D0602N-BRU4
	PNP 10~30V	N.O. N.C.	FCU2-D0602P-A3U2 FCU2-D0602P-B3U2	FCU2-D0602P-ACU3 FCU2-D0602P-BCU3	FCU2-D0602P-ARU4 FCU2-D0602P-BRU4
	NPN 5~36V	N.O. N.C.	ICU2-D062.5N-A3U2 ICU2-D062.5N-B3U2	ICU2-D062.5N-ACU3 ICU2-D062.5N-BCU3	ICU2-D062.5N-ARU4 ICU2-D062.5N-BRU4
	PNP 5~36V	N.O. N.C.	ICU2-D062.5P-A3U2 ICU2-D062.5P-B3U2	ICU2-D062.5P-ACU3 ICU2-D062.5P-BCU3	ICU2-D062.5P-ARU4 ICU2-D062.5P-BRU4
	10~30V N.O./N.C.	NPN PNP	FCU2-D0602N-S4U2 FCU2-D0602P-S4U2	FCU2-D0602N-SCU4 FCU2-D0602P-SCU4	FCU2-D0602N-SRU4 FCU2-D0602P-SRU4
DC 4-wire	NPN/PNP 10~30V	N.O./N.C.	FCU2-D0602D-S4U2	FCU2-D0602D-SCU4	FCU2-D0602D-SRU4
	3~36V N.O./N.C.	NPN PNP	ICU2-D062.5N-S4U2 ICU2-D062.5P-S4U2	ICU2-D062.5N-SCU4 ICU2-D062.5P-SCU4	ICU2-D062.5N-SRU4 ICU2-D062.5P-SRU4
NAMUR	6~12V		FCU2-D0602NU		
DC 2-wire	10~60V	N.O. N.C.	ECU2-D0604C-A2U2 ECU2-D0604C-B2U2	ECU2-D0604C-ACU3 ECU2-D0604C-BCU3	ECU2-D0604C-ARU4 ECU2-D0604C-BRU4
	10~60V	N.O./N.C.	ECU2-D0604C-S2U2	ECU2-D0604C-SCU3	ECU1-D0604C-SRU4
DC 3-wire	NPN 10~30V	N.O. N.C.	ECU2-D0604N-A3U2 ECU2-D0604N-B3U2	ECU2-D0604N-ACU3 ECU2-D0604N-BCU3	ECU2-D0604N-ARU4 ECU2-D0604N-BRU4
	PNP 10~30V	N.O. N.C.	ECU2-D0604P-A3U2 ECU2-D0604P-B3U2	ECU2-D0604P-ACU3 ECU2-D0604P-BCU3	ECU2-D0604P-ARU4 ECU2-D0604P-BRU4
DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECU2-D0604N-S4U2 ECU2-D0604P-S4U2	ECU2-D0604N-SCU4 ECU2-D0604P-SCU4	ECU2-D0604N-SRU4 ECU2-D0604P-SRU4
	NPN/PNP 10~30V	N.O./N.C.	ECU2-D0604D-S4U2	ECU2-D0604D-SCU4	ECU1-D0604D-SRU4
DC 3-wire	NPN 10~30V	N.O. N.C.	LCU2-D0606N-A3U2 LCU2-D0606N-B3U2	LCU2-D0606N-ACU3 LCU2-D0606N-BCU3	LCU2-D0606N-ARU4 LCU2-D0606N-BRU4
	PNP 10~30V	N.O. N.C.	LCU2-D0606P-A3U2 LCU2-D0606P-B3U2	LCU2-D0606P-ACU3 LCU2-D0606P-BCU3	LCU2-D0606P-ARU4 LCU2-D0606P-BRU4

Cylindrical Metal Barrel



			Ø6.5 x 30	Ø6.5 x 45	Ø6.5 x 53
Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø6.5		
Switching Distance Sn (mm)			Standard: 1.0 - 1.5, Extended: 2.0, Long: 3.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-D0601N-A3S2 FCU1-D0601N-B3S2	FCU1-D0601N-ACS3 FCU1-D0601N-BCS3	FCU1-D0601N-ARS4 FCU1-D0601N-BRS4
		PNP 10~30V N.O. N.C.	FCU1-D0601P-A3S2 FCU1-D0601P-B3S2	FCU1-D0601P-ACS3 FCU1-D0601P-BCS3	FCU1-D0601P-ARS4 FCU1-D0601P-BRS4
		NPN 5~36V N.O. N.C.	ICU1-D061.5N-A3S2 ICU1-D061.5N-B3S2	ICU1-D061.5N-ACS3 ICU1-D061.5N-BCS3	ICU1-D061.5N-ARS4 ICU1-D061.5N-BRS4
		PNP 5~36V N.O. N.C.	ICU1-D061.5P-A3S2 ICU1-D061.5P-B3S2	ICU1-D061.5P-ACS3 ICU1-D061.5P-BCS3	ICU1-D061.5P-ARS4 ICU1-D061.5P-BRS4
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-D0602N-A3S2 ECU1-D0602N-B3S2	ECU1-D0602N-ACS3 ECU1-D0602N-BCS3	ECU1-D0602N-ARS4 ECU1-D0602N-BRS4
		PNP 10~30V N.O. N.C.	ECU1-D0602P-A3S2 ECU1-D0602P-B3S2	ECU1-D0602P-ACS3 ECU1-D0602P-BCS3	ECU1-D0602P-ARS4 ECU1-D0602P-BRS4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-D0603N-A3S2 LCU1-D0603N-B3S2	LCU1-D0603N-ACS3 LCU1-D0603N-BCS3	LCU1-D0603N-ARS4 LCU1-D0603N-BRS4
		PNP 10~30V N.O. N.C.	LCU1-D0603P-A3S2 LCU1-D0603P-B3S2	LCU1-D0603P-ACS3 LCU1-D0603P-BCS3	LCU1-D0603P-ARS4 LCU1-D0603P-BRS4



			Ø6.5 x 30	Ø6.5 x 45	Ø6.5 x 53
Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø6.5		
Switching Distance Sn (mm)			Standard: 2.0 - 2.5, Extended: 4.0, Long: 6.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU2-D0602N-A3S2 FCU2-D0602N-B3S2	FCU2-D0602N-ACS3 FCU2-D0602N-BCS3	FCU2-D0602N-ARS4 FCU2-D0602N-BRS4
		PNP 10~30V N.O. N.C.	FCU2-D0602P-A3S2 FCU2-D0602P-B3S2	FCU2-D0602P-ACS3 FCU2-D0602P-BCS3	FCU2-D0602P-ARS4 FCU2-D0602P-BRS4
		NPN 5~36V N.O. N.C.	ICU2-D062.5N-A3S2 ICU2-D062.5N-B3S2	ICU2-D062.5N-ACS3 ICU2-D062.5N-BCS3	ICU2-D062.5N-ARS4 ICU2-D062.5N-BRS4
		PNP 5~36V N.O. N.C.	ICU2-D062.5P-A3S2 ICU2-D062.5P-B3S2	ICU2-D062.5P-ACS3 ICU2-D062.5P-BCS3	ICU2-D062.5P-ARS4 ICU2-D062.5P-BRS4
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU2-D0604N-A3S2 ECU2-D0604N-B3S2	ECU2-D0604N-ACS3 ECU2-D0604N-BCS3	ECU2-D0604N-ARS4 ECU2-D0604N-BRS4
		PNP 10~30V N.O. N.C.	ECU2-D0604P-A3S2 ECU2-D0604P-B3S2	ECU2-D0604P-ACS3 ECU2-D0604P-BCS3	ECU2-D0604P-ARS4 ECU2-D0604P-BRS4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU2-D0606N-A3S2 LCU2-D0606N-B3S2	LCU2-D0606N-ACS3 LCU2-D0606N-BCS3	LCU2-D0606N-ARS4 LCU2-D0606N-BRS4
		PNP 10~30V N.O. N.C.	LCU2-D0606P-A3S2 LCU2-D0606P-B3S2	LCU2-D0606P-ACS3 LCU2-D0606P-BCS3	LCU2-D0606P-ARS4 LCU2-D0606P-BRS4

Cylindrical Metal Barrel



Connection			Ø8 x 30	Ø8 x 45	Ø8 x 53
			2 m Cable	M8 Connector	M12 Connector
Series			Ø8		
Switching Distance Sn (mm)			Standard: 1.0 - 1.5, Extended: 2.0, Long: 3.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-D0801N-A3S2 FCU1-D0801N-B3S2	FCU1-D0801N-ACS3 FCU1-D0801N-BCS3	FCU1-D0801N-ARS4 FCU1-D0801N-BRS4
		PNP 10~30V N.O. N.C.	FCU1-D0801P-A3S2 FCU1-D0801P-B3S2	FCU1-D0801P-ACS3 FCU1-D0801P-BCS3	FCU1-D0801P-ARS4 FCU1-D0801P-BRS4
		NPN 5~36V N.O. N.C.	ICU1-D081.5N-A3S2 ICU1-D081.5N-B3S2	ICU1-D081.5N-ACS3 ICU1-D081.5N-BCS3	ICU1-D081.5N-ARS4 ICU1-D081.5N-BRS4
		PNP 5~36V N.O. N.C.	ICU1-D081.5P-A3S2 ICU1-D081.5P-B3S2	ICU1-D081.5P-ACS3 ICU1-D081.5P-BCS3	ICU1-D081.5P-ARS4 ICU1-D081.5P-BRS4
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-D0802N-A3S2 ECU1-D0802N-B3S2	ECU1-D0802N-ACS3 ECU1-D0802N-BCS3	ECU1-D0802N-ARS4 ECU1-D0802N-BRS4
		PNP 10~30V N.O. N.C.	ECU1-D0802P-A3S2 ECU1-D0802P-B3S2	ECU1-D0802P-ACS3 ECU1-D0802P-BCS3	ECU1-D0802P-ARS4 ECU1-D0802P-BRS4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-D0803N-A3S2 LCU1-D0803N-B3S2	LCU1-D0803N-ACS3 LCU1-D0803N-BCS3	LCU1-D0803N-ARS4 LCU1-D0803N-BRS4
		PNP 10~30V N.O. N.C.	LCU1-D0803P-A3S2 LCU1-D0803P-B3S2	LCU1-D0803P-ACS3 LCU1-D0803P-BCS3	LCU1-D0803P-ARS4 LCU1-D0803P-BRS4



			Ø8 x 30	Ø8 x 45	Ø8 x 53
Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø8		
Switching Distance Sn (mm)			Standard: 2.0 - 2.5, Extended: 4.0, Long: 6.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCU2-D0802N-A3S2 FCU2-D0802N-B3S2	FCU2-D0802N-ACS3 FCU2-D0802N-BCS3	FCU2-D0802N-ARS4 FCU2-D0802N-BRS4
		PNP 10~30V N.O. N.C.	FCU2-D0802P-A3S2 FCU2-D0802P-B3S2	FCU2-D0802P-ACS3 FCU2-D0802P-BCS3	FCU2-D0802P-ARS4 FCU2-D0802P-BRS4
		NPN 5~36V N.O. N.C.	ICU2-D082.5N-A3S2 ICU2-D082.5N-B3S2	ICU2-D082.5N-ACS3 ICU2-D082.5N-BCS3	ICU2-D082.5N-ARS4 ICU2-D082.5N-BRS4
		PNP 5~36V N.O. N.C.	ICU2-D082.5P-A3S2 ICU2-D082.5P-B3S2	ICU2-D082.5P-ACS3 ICU2-D082.5P-BCS3	ICU2-D082.5P-ARS4 ICU2-D082.5P-BRS4
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECU2-D0804N-A3S2 ECU2-D0804N-B3S2	ECU2-D0804N-ACS3 ECU2-D0804N-BCS3	ECU2-D0804N-ARS4 ECU2-D0804N-BRS4
		PNP 10~30V N.O. N.C.	ECU2-D0804P-A3S2 ECU2-D0804P-B3S2	ECU2-D0804P-ACS3 ECU2-D0804P-BCS3	ECU2-D0804P-ARS4 ECU2-D0804P-BRS4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU2-D0806N-A3S2 LCU2-D0806N-B3S2	LCU2-D0806N-ACS3 LCU2-D0806N-BCS3	LCU2-D0806N-ARS4 LCU2-D0806N-BRS4
		PNP 10~30V N.O. N.C.	LCU2-D0806P-A3S2 LCU2-D0806P-B3S2	LCU2-D0806P-ACS3 LCU2-D0806P-BCS3	LCU2-D0806P-ARS4 LCU2-D0806P-BRS4

Cylindrical Metal Barrel



Ø8 x 45

Ø8 x 60

Ø8 x 70

Connection			2 m Cable	M8 Connector	M12 Connector	
Series			Ø8			
Switching Distance Sn (mm)			Standard: 1.0 - 1.5, Extended: 2.0, Long: 3.0, Long+: 4.0			
Standard	DC 2-wire	10~60V N.O. N.C.	FCU1-D0801C-A2U2 FCU1-D0801C-B2U2	FCU1-D0801C-ACU3 FCU1-D0801C-BCU3	FCU1-D0801C-ARU4 FCU1-D0801C-BRU4	
		10~60V N.O./N.C.	FCU1-D0801C-S2U2	FCU1-D0801C-SCU3	FCU1-D0801C-SRU4	
	DC 3-wire	NPN 10~30V N.O. N.C.	FCU1-D0801N-A3U2 FCU1-D0801N-B3U2	FCU1-D0801N-ACU3 FCU1-D0801N-BCU3	FCU1-D0801N-ARU4 FCU1-D0801N-BRU4	
		PNP 10~30V N.O. N.C.	FCU1-D0801P-A3U2 FCU1-D0801P-B3U2	FCU1-D0801P-ACU3 FCU1-D0801P-BCU3	FCU1-D0801P-ARU4 FCU1-D0801P-BRU4	
		NPN 5~36V N.O. N.C.	ICU1-D081.5N-A3U2 ICU1-D081.5N-B3U2	ICU1-D081.5N-ACU3 ICU1-D081.5N-BCU3	ICU1-D081.5N-ARU4 ICU1-D081.5N-BRU4	
		PNP 5~36V N.O. N.C.	ICU1-D081.5P-A3U2 ICU1-D081.5P-B3U2	ICU1-D081.5P-ACU3 ICU1-D081.5P-BCU3	ICU1-D081.5P-ARU4 ICU1-D081.5P-BRU4	
		10~30V N.O./N.C.	NPN PNP	FCU1-D0801N-S4U2 FCU1-D0801P-S4U2	FCU1-D0801N-SCU4 FCU1-D0801P-SCU4	FCU1-D0801N-SRU4 FCU1-D0801P-SRU4
	DC 4-wire	NPN/PNP 10~30V N.O./N.C.	FCU1-D0801D-S4U2	FCU1-D0801D-SCU4	FCU1-D0801D-SRU4	
		5~36V N.O./N.C.	NPN PNP	ICU1-D081.5N-S4U2 ICU1-D081.5P-S4U2	ICU1-D081.5N-SCU4 ICU1-D081.5P-SCU4	ICU1-D081.5N-SRU4 ICU1-D081.5P-SRU4
	NAMUR	6~12V	FCU1-D0801NU			
Extended	DC 2-wire	10~60V N.O. N.C.	ECU1-D0802C-A2U2 ECU1-D0802C-B2U2	ECU1-D0802C-ACU3 ECU1-D0802C-BCU3	ECU1-D0802C-ARU4 ECU1-D0802C-BRU4	
		10~60V N.O./N.C.	ECU1-D0802C-S2U2	ECU1-D0802C-SCU3	ECU1-D0802C-SRU4	
	DC 3-wire	NPN 10~30V N.O. N.C.	ECU1-D0802N-A3U2 ECU1-D0802N-B3U2	ECU1-D0802N-ACU3 ECU1-D0802N-BCU3	ECU1-D0802N-ARU4 ECU1-D0802N-BRU4	
		PNP 10~30V N.O. N.C.	ECU1-D0802P-A3U2 ECU1-D0802P-B3U2	ECU1-D0802P-ACU3 ECU1-D0802P-BCU3	ECU1-D0802P-ARU4 ECU1-D0802P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECU1-D0802N-S4U2 ECU1-D0802P-S4U2	ECU1-D0802N-SCU4 ECU1-D0802P-SCU4	ECU1-D0802N-SRU4 ECU1-D0802P-SRU4
		NPN/PNP 10~30V N.O./N.C.	ECU1-D0802D-S4U2	ECU1-D0802D-SCU4	ECU1-D0802D-SRU4	
Long	DC 2-wire	10~60V N.O.	LCU1-D0803C-A2U2	LCU1-D0803C-ACU3	LCU1-D0803C-ARU4	
	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-D0803N-A3U2 LCU1-D0803N-B3U2	LCU1-D0803N-ACU3 LCU1-D0803N-BCU3	LCU1-D0803N-ARU4 LCU1-D0803N-BRU4	
		PNP 10~30V N.O. N.C.	LCU1-D0803P-A3U2 LCU1-D0803P-B3U2	LCU1-D0803P-ACU3 LCU1-D0803P-BCU3	LCU1-D0803P-ARU4 LCU1-D0803P-BRU4	
	DC 3-wire	NPN 10~30V N.O. N.C.	LCU1-D0804N-A3U2 LCU1-D0804N-B3U2	LCU1-D0804N-ACU3 LCU1-D0804N-BCU3	LCU1-D0804N-ARU4 LCU1-D0804N-BRU4	
PNP 10~30V N.O. N.C.		LCU1-D0804P-A3U2 LCU1-D0804P-B3U2	LCU1-D0804P-ACU3 LCU1-D0804P-BCU3	LCU1-D0804P-ARU4 LCU1-D0804P-BRU4		

Cylindrical Metal Barrel



Ø8 x 45



Ø8 x 60



Ø8 x 70

Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø8		
Switching Distance Sn (mm)			Standard: 2.0 - 2.5, Extended: 4.0, Long: 6.0		
Standard	DC 2-wire	10~60V N.O. N.C.	FCU2-D0802C-A2U2 FCU2-D0802C-B2U2	FCU2-D0802C-ACU3 FCU2-D0802C-BCU3	FCU2-D0802C-ARU4 FCU2-D0802C-BRU4
		10~60V N.O./N.C.	FCU2-D0802C-S2U2	FCU2-D0802C-SCU3	FCU2-D0802C-SRU4
	DC 3-wire	NPN 10~30V N.O. N.C.	FCU2-D0802N-A3U2 FCU2-D0802N-B3U2	FCU2-D0802N-ACU3 FCU2-D0802N-BCU3	FCU2-D0802N-ARU4 FCU2-D0802N-BRU4
		PNP 10~30V N.O. N.C.	FCU2-D0802P-A3U2 FCU2-D0802P-B3U2	FCU2-D0802P-ACU3 FCU2-D0802P-BCU3	FCU2-D0802P-ARU4 FCU2-D0802P-BRU4
		NPN 5~36V N.O. N.C.	ICU2-D082.5N-A3U2 ICU2-D082.5N-B3U2	ICU2-D082.5N-ACU3 ICU2-D082.5N-BCU3	ICU2-D082.5N-ARU4 ICU2-D082.5N-BRU4
		PNP 5~36V N.O. N.C.	ICU2-D082.5P-A3U2 ICU2-D082.5P-B3U2	ICU2-D082.5P-ACU3 ICU2-D082.5P-BCU3	ICU2-D082.5P-ARU4 ICU2-D082.5P-BRU4
	DC 4-wire	10~30V N.O./N.C.	FCU2-D0802N-S4U2 FCU2-D0802P-S4U2	FCU2-D0802N-SCU4 FCU2-D0802P-SCU4	FCU2-D0802N-SRU4 FCU2-D0802P-SRU4
		NPN/PNP 10~30V N.O./N.C.	FCU2-D0802D-S4U2	FCU2-D0802D-SCU4	FCU2-D0802D-SRU4
		5~36V N.O./N.C.	ICU2-D082.5N-S4U2 ICU2-D082.5P-S4U2	ICU2-D082.5N-SCU4 ICU2-D082.5P-SCU4	ICU2-D082.5N-SRU4 ICU2-D082.5P-SRU4
	NAMUR	6~12V	FCU2-D0802NU		
Extended	DC 2-wire	10~60V N.O. N.C.	ECU2-D0804C-A2U2 ECU2-D0804C-B2U2	ECU2-D0804C-ACU3 ECU2-D0804C-BCU3	ECU2-D0804C-ARU4 ECU2-D0804C-BRU4
		10~60V N.O./N.C.	ECU2-D0804C-S2U2	ECU2-D0804C-SCU3	ECU2-D0804C-SRU4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECU2-D0804N-A3U2 ECU2-D0804N-B3U2	ECU2-D0804N-ACU3 ECU2-D0804N-BCU3	ECU2-D0804N-ARU4 ECU2-D0804N-BRU4
		PNP 10~30V N.O. N.C.	ECU2-D0804P-A3U2 ECU2-D0804P-B3U2	ECU2-D0804P-ACU3 ECU2-D0804P-BCU3	ECU2-D0804P-ARU4 ECU2-D0804P-BRU4
	DC 4-wire	10~30V N.O./N.C.	ECU2-D0804N-S4U2 ECU2-D0804P-S4U2	ECU2-D0804N-SCU4 ECU2-D0804P-SCU4	ECU2-D0804N-SRU4 ECU2-D0804P-SRU4
		NPN/PNP 10~30V N.O./N.C.	ECU2-D0804D-S4U2	ECU2-D0804D-SCU4	ECU2-D0804D-SRU4
	DC 2-wire	10~60V N.O.	LCU2-D0806C-A2U2	LCU2-D0806C-ACU3	LCU2-D0806C-ARU4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCU2-D0806N-A3U2 LCU2-D0806N-B3U2	LCU2-D0806N-ACU3 LCU2-D0806N-BCU3	LCU2-D0806N-ARU4 LCU2-D0806N-BRU4
		PNP 10~30V N.O. N.C.	LCU2-D0806P-A3U2 LCU2-D0806P-B3U2	LCU2-D0806P-ACU3 LCU2-D0806P-BCU3	LCU2-D0806P-ARU4 LCU2-D0806P-BRU4

Cylindrical Metal Barrel



Ø11 x 50

Ø11 x 60

Ø11 x 53

Ø11 x 60

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series			Ø11			
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0		Standard: 4.0, Extended: 8.0	
Standard	DC 2-wire	10~60V N.O. N.C.	FCM1-D1102C-A2U2 FCM1-D1102C-B2U2	FCM1-D1102C-ARU4 FCM1-D1102C-BRU4	FCM2-D1104C-A2U2 FCM2-D1104C-B2U2	FCM2-D1104C-ARU4 FCM2-D1104C-BRU4
		10~60V N.O./N.C.	FCM1-D1102C-S2U2	FCM1-D1102C-S2U2	FCM2-D1104C-S2U2	FCM2-D1104C-S2U2
	DC 3-wire	NPN 10~30V N.O. N.C.	FCM1-D1102N-A3U2 FCM1-D1102N-B3U2	FCM1-D1102N-ARU4 FCM1-D1102N-BRU4	FCM2-D1104N-A3U2 FCM2-D1104N-B3U2	FCM2-D1104N-ARU4 FCM2-D1104N-BRU4
		PNP 10~30V N.O. N.C.	FCM1-D1102P-A3U2 FCM1-D1102P-B3U2	FCM1-D1102P-ARU4 FCM1-D1102P-BRU4	FCM2-D1104P-A3U2 FCM2-D1104P-B3U2	FCM2-D1104P-ARU4 FCM2-D1104P-BRU4
		NPN 5~36V N.O. N.C.	ICM1-D1102N-A3U2 ICM1-D1102N-B3U2	ICM1-D1102N-ARU4 ICM1-D1102N-BRU4	ICM2-D1104N-A3U2 ICM2-D1104N-B3U2	ICM2-D1104N-ARU4 ICM2-D1104N-BRU4
		PNP 5~36V N.O. N.C.	ICM1-D1102P-A3U2 ICM1-D1102P-B3U2	ICM1-D1102P-ARU4 ICM1-D1102P-BRU4	ICM2-D1104P-A3U2 ICM2-D1104P-B3U2	ICM2-D1104P-ARU4 ICM2-D1104P-BRU4
		NPN 10~55V N.O. N.C.	HCM1-D1102N-A3U2 HCM1-D1102N-B3U2	HCM1-D1102N-ARU4 HCM1-D1102N-BRU4	HCM2-D1104N-A3U2 HCM2-D1104N-B3U2	HCM2-D1104N-ARU4 HCM2-D1104N-BRU4
		PNP 10~55V N.O. N.C.	HCM1-D1102P-A3U2 HCM1-D1102P-B3U2	HCM1-D1102P-ARU4 HCM1-D1102P-BRU4	HCM2-D1104P-A3U2 HCM2-D1104P-B3U2	HCM2-D1104P-ARU4 HCM2-D1104P-BRU4
	DC 4-wire	10~30V N.O./N.C. NPN PNP	FCM1-D1102N-S4U2 FCM1-D1102P-S4U2	FCM1-D1102N-SRU4 FCM1-D1102P-SRU4	FCM2-D1104N-S4U2 FCM2-D1104P-S4U2	FCM2-D1104N-SRU4 FCM2-D1104P-SRU4
		5~36V N.O./N.C. NPN PNP	ICM1-D1102N-S4U2 ICM1-D1102P-S4U2	ICM1-D1102N-SRU4 ICM1-D1102P-SRU4	ICM2-D1104N-S4U2 ICM2-D1104P-S4U2	ICM2-D1104N-SRU4 ICM2-D1104P-SRU4
	AC 3-wire	20~250V N.O. N.C.	FCM1-D1102A-A3L2 FCM1-D1102A-B3L2	FCM1-D1102A-AUL3 FCM1-D1102A-BUL3	FCM2-D1104A-A3L2 FCM2-D1104A-B3L2	FCM2-D1104A-AUL3 FCM2-D1104A-BUL3
	NAMUR	6~12V	FCM1-D1102NU		FCM2-D1104NU	
Extended	DC 2-wire	10~60V N.O. N.C.	ECM1-D1104C-A2U2 ECM1-D1104C-B2U2	ECM1-D1104C-ARU4 ECM1-D1104C-BRU4	ECM2-D1108C-A2U2 ECM2-D1108C-B2U2	ECM2-D1108C-ARU4 ECM2-D1108C-BRU4
		10~60V N.O./N.C.	ECM1-D1104C-S2U2	ECM1-D1104C-SRU4	ECM2-D1108C-S2U2	ECM2-D1108C-SRU4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECM1-D1104N-A3U2 ECM1-D1104N-B3U2	ECM1-D1104N-ARU4 ECM1-D1104N-BRU4	ECM2-D1108N-A3U2 ECM2-D1108N-B3U2	ECM2-D1108N-ARU4 ECM2-D1108N-BRU4
		PNP 10~30V N.O. N.C.	ECM1-D1104P-A3U2 ECM1-D1104P-B3U2	ECM1-D1104P-ARU4 ECM1-D1104P-BRU4	ECM2-D1108P-A3U2 ECM2-D1108P-B3U2	ECM2-D1108P-ARU4 ECM2-D1108P-BRU4
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECM1-D1104N-S4U2 ECM1-D1104P-S4U2	ECM1-D1104N-SRU4 ECM1-D1104P-SRU4	ECM2-D1108N-S4U2 ECM2-D1108P-S4U2	ECM2-D1108N-SRU4 ECM2-D1108P-SRU4
		NPN/PNP 10~30V N.O./N.C.	ECM1-D1104D-S4U2	ECM1-D1104D-SRU4	ECM2-D1108D-S4U2	ECM2-D1108D-SRU4
	AC 3-wire	20~250V NPN PNP	ECM1-D1104A-A3L2 ECM1-D1104A-B3L2	ECM1-D1104A-AUL3 ECM1-D1104A-BUL3	ECM2-D1108A-A3L2 ECM2-D1108A-B3L2	ECM2-D1108A-AUL3 ECM2-D1108A-BUL3

Cylindrical Metal Barrel



Connection			Ø11 x 50 2 m Cable	Ø11 x 60 M12 Connector	Ø11 x 53 2 m Cable	Ø11 x 60 M12 Connector
Series			Ø11			
Switching Distance Sn (mm)			Long: 6.0		Long: 10.0	
Long	DC 2-wire 10~60V	N.O. N.C.	LCM1-D1106C-A2U2 LCM1-D1106C-B2U2	LCM1-D1106C-ARU4 LCM1-D1106C-BRU4	LCM2-D1110C-A2U2 LCM2-D1110C-B2U2	LCM2-D1110C-ARU4 LCM2-D1110C-BRU4
	DC 3-wire	NPN 10~30V	LCM1-D1106N-A3U2 LCM1-D1106N-B3U2	LCM1-D1106N-ARU4 LCM1-D1106N-BRU4	LCM2-D1110N-A3U2 LCM2-D1110N-B3U2	LCM2-D1110N-ARU4 LCM2-D1110N-BRU4
		PNP 10~30V	LCM1-D1106P-A3U2 LCM1-D1106P-B3U2	LCM1-D1106P-ARU4 LCM1-D1106P-BRU4	LCM2-D1110P-A3U2 LCM2-D1110P-B3U2	LCM2-D1110P-ARU4 LCM2-D1110P-BRU4
	DC 4-wire	10~30V N.O./N.C.	LCM1-D1106N-S4U2 LCM1-D1106P-S4U2		LCM2-D1110N-S4U2 LCM2-D1110P-S4U2	



Connection			Ø11 x 30 2 m Cable	Ø11 x 50 M12 Connector	Ø11 x 30 2 m Cable	Ø11 x 50 M12 Connector
Series			Ø11			
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0		Standard: 4.0, Extended: 8.0	
Standard	DC 3-wire	NPN 10~30V	FCM1-D1102N-A3S2 FCM1-D1102N-B3S2	FCM1-D1102N-ARS4 FCM1-D1102N-BRS4	FCM2-D1104N-A3S2 FCM2-D1104N-B3S2	FCM2-D1104N-ARS4 FCM2-D1104N-BRS4
		PNP 10~30V	FCM1-D1102P-A3S2 FCM1-D1102P-B3S2	FCM1-D1102P-ARS4 FCM1-D1102P-BRS4	FCM2-D1104P-A3S2 FCM2-D1104P-B3S2	FCM2-D1104P-ARS4 FCM2-D1104P-BRS4
		NPN 5~36V	ICM1-D1102N-A3S2 ICM1-D1102N-B3S2	ICM1-D1102N-ARS4 ICM1-D1102N-BRS4	ICM2-D1104N-A3S2 ICM2-D1104N-B3S2	ICM2-D1104N-ARS4 ICM2-D1104N-BRS4
		PNP 5~36V	ICM1-D1102P-A3S2 ICM1-D1102P-B3S2	ICM1-D1102P-ARS4 ICM1-D1102P-BRS4	ICM2-D1104P-A3S2 ICM2-D1104P-B3S2	ICM2-D1104P-ARS4 ICM2-D1104P-BRS4
Extended	DC 4-wire	5~36V N.O./N.C.	ICM1-D1102N-S4S2 ICM1-D1102P-S4S2	ICM1-D1102N-SRS4 ICM1-D1102P-SRS4	ICM2-D1104N-S4S2 ICM2-D1104P-S4S2	ICM2-D1104N-SRS4 ICM2-D1104P-SRS4
	DC 2-wire	10~60V	ECM1-D1104C-A2S2 ECM1-D1104C-B2S2	ECM1-D1104C-ARS4 ECM1-D1104C-BRS4	ECM2-D1108C-A2S2 ECM2-D1108C-B2S2	ECM2-D1108C-ARS4 ECM2-D1108C-BRS4
		NPN 10~30V	ECM1-D1104N-A3S2 ECM1-D1104N-B3S2	ECM1-D1104N-ARS4 ECM1-D1104N-BRS4	ECM2-D1108N-A3S2 ECM2-D1108N-B3S2	ECM2-D1108N-ARS4 ECM2-D1108N-BRS4
		PNP 10~30V	ECM1-D1104P-A3S2 ECM1-D1104P-B3S2	ECM1-D1104P-ARS4 ECM1-D1104P-BRS4	ECM2-D1108P-A3S2 ECM2-D1108P-B3S2	ECM2-D1108P-ARS4 ECM2-D1108P-BRS4
Extended	DC 4-wire	10~30V N.O./N.C.	ECM1-D1104N-S4S2 ECM1-D1104P-S4S2	ECM1-D1104N-SRS4 ECM1-D1104P-SRS4	ECM2-D1108N-S4S2 ECM2-D1108P-S4S2	ECM2-D1108N-SRS4 ECM2-D1108P-SRS4

Cylindrical Metal Barrel



M8 x 45

M8 x 60

M8 x 70

Connection			2 m Cable		M8 Connector		M12 Connector		
Series			M8						
Switching Distance Sn (mm)			Standard: 1.0 - 1.5, Extended: 2.0, Long: 3.0, Long+: 4.0						
Standard	DC 2-wire	10~60V	N.O. N.C.	FCM1-0801C-A2U2 FCM1-0801C-B2U2		FCM1-0801C-ACU3 FCM1-0801C-BCU3		FCM1-0801C-ARU4 FCM1-0801C-BRU4	
		10~60V	N.O./N.C.	FCM1-0801C-S2U2		FCM1-0801C-SCU3		FCM1-0801C-SRU4	
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-0801N-A3U2 FCM1-0801N-B3U2		FCM1-0801N-ACU3 FCM1-0801N-BCU3		FCM1-0801N-ARU4 FCM1-0801N-BRU4	
		PNP 10~30V	N.O. N.C.	FCM1-0801P-A3U2 FCM1-0801P-B3U2		FCM1-0801P-ACU3 FCM1-0801P-BCU3		FCM1-0801P-ARU4 FCM1-0801P-BRU4	
		NPN 5~36V	N.O. N.C.	ICM1-081.5N-A3U2 ICM1-081.5N-B3U2		ICM1-081.5N-ACU3 ICM1-081.5N-BCU3		ICM1-081.5N-ARU4 ICM1-081.5N-BRU4	
		PNP 5~36V	N.O. N.C.	ICM1-081.5P-A3U2 ICM1-081.5P-B3U2		ICM1-081.5P-ACU3 ICM1-081.5P-BCU3		ICM1-081.5P-ARU4 ICM1-081.5P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-0801N-S4U2 FCM1-0801P-S4U2		FCM1-0801N-SCU4 FCM1-0801P-SCU4		FCM1-0801N-SRU4 FCM1-0801P-SRU4	
		NPN/PNP 10~30V	N.O./N.C.	FCM1-0801D-S4U2		FCM1-0801D-SCU4		FCM1-0801D-SRU4	
		5~36V N.O./N.C.	NPN PNP	ICM1-081.5N-S4U2 ICM1-081.5P-S4U2		ICM1-081.5N-SCU4 ICM1-081.5P-SCU4		ICM1-081.5N-SRU4 ICM1-081.5P-SRU4	
	NAMUR	6~12V		FCM1-0801NU					
Extended	DC 2-wire	10~60V	N.O. N.C.	ECM1-0802C-A2U2 ECM1-0802C-B2U2		ECM1-0802C-ACU3 ECM1-0802C-BCU3		ECM1-0802C-ARU4 ECM1-0802C-BRU4	
		10~60V	N.O./N.C.	ECM1-0802C-S2U2		ECM1-0802C-SCU3		ECM1-0802C-SRU4	
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECM1-0802N-A3U2 ECM1-0802N-B3U2		ECM1-0802N-ACU3 ECM1-0802N-BCU3		ECM1-0802N-ARU4 ECM1-0802N-BRU4	
		PNP 10~30V	N.O. N.C.	ECM1-0802P-A3U2 ECM1-0802P-B3U2		ECM1-0802P-ACU3 ECM1-0802P-BCU3		ECM1-0802P-ARU4 ECM1-0802P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECM1-0802N-S4U2 ECM1-0802P-S4U2		ECM1-0802N-SCU4 ECM1-0802P-SCU4		ECM1-0802N-SRU4 ECM1-0802P-SRU4	
		NPN/PNP 10~30V	N.O./N.C.	ECM1-0802D-S4U2		ECM1-0802D-SCU4		ECM1-0802D-SRU4	
Long	DC 2-wire	10~60V	N.O.	LCM1-0803C-A2U2		LCM1-0803C-ACU3		LCM1-0803C-ARU4	
	DC 3-wire	NPN 10~30V	N.O. N.C.	LCM1-0803N-A3U2 LCM1-0803N-B3U2		LCM1-0803N-ACU3 LCM1-0803N-BCU3		LCM1-0803N-ARU4 LCM1-0803N-BRU4	
		PNP 10~30V	N.O. N.C.	LCM1-0803P-A3U2 LCM1-0803P-B3U2		LCM1-0803P-ACU3 LCM1-0803P-BCU3		LCM1-0803P-ARU4 LCM1-0803P-BRU4	
Long +	DC 3-wire	NPN 10~30V	N.O. N.C.	LCM1-0804N-A3U2 LCM1-0804N-B3U2		LCM1-0804N-ACU3 LCM1-0804N-BCU3		LCM1-0804N-ARU4 LCM1-0804N-BRU4	
		PNP 10~30V	N.O. N.C.	LCM1-0804P-A3U2 LCM1-0804P-B3U2		LCM1-0804P-ACU3 LCM1-0804P-BCU3		LCM1-0804P-ARU4 LCM1-0804P-BRU4	

Cylindrical Metal Barrel



M8 x 45

M8 x 60

M8 x 70

Connection			2 m Cable		M8 Connector		M12 Connector			
Series			M8							
Switching Distance Sn (mm)			Standard: 2.0 - 2.5, Extended: 4.0, Long: 6.0							
Standard	DC 2-wire	10~60V	N.O. N.C.	FCM2-0802C-A2U2 FCM2-0802C-B2U2		FCM2-0802C-ACU3 FCM2-0802C-BCU3		FCM2-0802C-ARU4 FCM2-0802C-BRU4		
		10~60V	N.O./N.C.	FCM2-0802C-S2U2		FCM2-0802C-SCU3		FCM2-0802C-SRU4		
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-0802N-A3U2 FCM2-0802N-B3U2		FCM2-0802N-ACU3 FCM2-0802N-BCU3		FCM2-0802N-ARU4 FCM2-0802N-BRU4		
		PNP 10~30V	N.O. N.C.	FCM2-0802P-A3U2 FCM2-0802P-B3U2		FCM2-0802P-ACU3 FCM2-0802P-BCU3		FCM2-0802P-ARU4 FCM2-0802P-BRU4		
		NPN 5~36V	N.O. N.C.	ICM2-082.5N-A3U2 ICM2-082.5N-B3U2		ICM2-082.5N-ACU3 ICM2-082.5N-BCU3		ICM2-082.5N-ARU4 ICM2-082.5N-BRU4		
		PNP 5~36V	N.O. N.C.	ICM2-082.5P-A3U2 ICM2-082.5P-B3U2		ICM2-082.5P-ACU3 ICM2-082.5P-BCU3		ICM2-082.5P-ARU4 ICM2-082.5P-BRU4		
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM2-0802N-S4U2 FCM2-0802P-S4U2		FCM2-0802N-SCU4 FCM2-0802P-SCU4		FCM2-0802N-SRU4 FCM2-0802P-SRU4		
		NPN/PNP 10~30V	N.O./N.C.	FCM2-0802D-S4U2		FCM2-0802D-SCU4		FCM2-0802D-SRU4		
		5~36V N.O./N.C.	NPN PNP	ICM2-082.5N-S4U2 ICM2-082.5P-S4U2		ICM2-082.5N-SCU4 ICM2-082.5P-SCU4		ICM2-082.5N-SRU4 ICM2-082.5P-SRU4		
	NAMUR	6~12V		FCM2-0802NU						
	Extended	DC 2-wire	10~60V	N.O. N.C.	ECM2-0804C-A2U2 ECM2-0804C-B2U2		ECM2-0804C-ACU3 ECM2-0804C-BCU3		ECM2-0804C-ARU4 ECM2-0804C-BRU4	
			10~60V	N.O./N.C.	ECM2-0804C-S2U2		ECM2-0804C-SCU3		ECM2-0804C-SRU4	
DC 3-wire		NPN 10~30V	N.O. N.C.	ECM2-0804N-A3U2 ECM2-0804N-B3U2		ECM2-0804N-ACU3 ECM2-0804N-BCU3		ECM2-0804N-ARU4 ECM2-0804N-BRU4		
		PNP 10~30V	N.O. N.C.	ECM2-0804P-A3U2 ECM2-0804P-B3U2		ECM2-0804P-ACU3 ECM2-0804P-BCU3		ECM2-0804P-ARU4 ECM2-0804P-BRU4		
DC 4-wire		10~30V N.O./N.C.	NPN PNP	ECM2-0804N-S4U2 ECM2-0804P-S4U2		ECM2-0804N-SCU4 ECM2-0804P-SCU4		ECM2-0804N-SRU4 ECM2-0804P-SRU4		
		NPN/PNP 10~30V	N.O./N.C.	ECM2-0804D-S4U2		ECM2-0804D-SCU4		ECM2-0804D-SRU4		
Long	DC 2-wire	10~60V	N.O.	LCM2-0806C-A2U2		LCM2-0806C-ACU3		LCM2-0806C-ARU4		
	DC 3-wire	NPN 10~30V	N.O. N.C.	LCM2-0806N-A3U2 LCM2-0806N-B3U2		LCM2-0806N-ACU3 LCM2-0806N-BCU3		LCM2-0806N-ARU4 LCM2-0806N-BRU4		
		PNP 10~30V	N.O. N.C.	LCM2-0806P-A3U2 LCM2-0806P-B3U2		LCM2-0806P-ACU3 LCM2-0806P-BCU3		LCM2-0806P-ARU4 LCM2-0806P-BRU4		

Cylindrical Metal Barrel



M8 x 30

M8 x 45

M8 x 53

Connection			2 m Cable	M8 Connector	M12 Connector
Series			M8		
Switching Distance Sn (mm)			Standard: 1.0 - 1.5, Extended: 2.0, Long: 3.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCM1-0801N-A3S2 FCM1-0801N-B3S2	FCM1-0801N-ACS3 FCM1-0801N-BCS3	FCM1-0801N-ARS4 FCM1-0801N-BRS4
		PNP 10~30V N.O. N.C.	FCM1-0801P-A3S2 FCM1-0801P-B3S2	FCM1-0801P-ACS3 FCM1-0801P-BCS3	FCM1-0801P-ARS4 FCM1-0801P-BRS4
		NPN 5~36V N.O. N.C.	ICM1-081.5N-A3S2 ICM1-081.5N-B3S2	ICM1-081.5N-ACS3 ICM1-081.5N-BCS3	ICM1-081.5N-ARS4 ICM1-081.5N-BRS4
		PNP 5~36V N.O. N.C.	ICM1-081.5P-A3S2 ICM1-081.5P-B3S2	ICM1-081.5P-ACS3 ICM1-081.5P-BCS3	ICM1-081.5P-ARS4 ICM1-081.5P-BRS4
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECM1-0802N-A3S2 ECM1-0802N-B3S2	ECM1-0802N-ACS3 ECM1-0802N-BCS3	ECM1-0802N-ARS4 ECM1-0802N-BRS4
		PNP 10~30V N.O. N.C.	ECM1-0802P-A3S2 ECM1-0802P-B3S2	ECM1-0802P-ACS3 ECM1-0802P-BCS3	ECM1-0802P-ARS4 ECM1-0802P-BRS4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCM1-0803N-A3S2 LCM1-0803N-B3S2	LCM1-0803N-ACS3 LCM1-0803N-BCS3	LCM1-0803N-ARS4 LCM1-0803N-BRS4
		PNP 10~30V N.O. N.C.	LCM1-0803P-A3S2 LCM1-0803P-B3S2	LCM1-0803P-ACS3 LCM1-0803P-BCS3	LCM1-0803P-ARS4 LCM1-0803P-BRS4



M8 x 30

M8 x 45

M8 x 53

Connection			2 m Cable	M8 Connector	M12 Connector
Series			M8		
Switching Distance Sn (mm)			Standard: 2.0 - 2.5, Extended: 4.0, Long: 6.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCM2-0802N-A3S2 FCM2-0802N-B3S2	FCM2-0802N-ACS3 FCM2-0802N-BCS3	FCM2-0802N-ARS4 FCM2-0802N-BRS4
		PNP 10~30V N.O. N.C.	FCM2-0802P-A3S2 FCM2-0802P-B3S2	FCM2-0802P-ACS3 FCM2-0802P-BCS3	FCM2-0802P-ARS4 FCM2-0802P-BRS4
		NPN 5~36V N.O. N.C.	ICM2-082.5N-A3S2 ICM2-082.5N-B3S2	ICM2-082.5N-ACS3 ICM2-082.5N-BCS3	ICM2-082.5N-ARS4 ICM2-082.5N-BRS4
		PNP 5~36V N.O. N.C.	ICM2-082.5P-A3S2 ICM2-082.5P-B3S2	ICM2-082.5P-ACS3 ICM2-082.5P-BCS3	ICM2-082.5P-ARS4 ICM2-082.5P-BRS4
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECM2-0804N-A3S2 ECM2-0804N-B3S2	ECM2-0804N-ACS3 ECM2-0804N-BCS3	ECM2-0804N-ARS4 ECM2-0804N-BRS4
		PNP 10~30V N.O. N.C.	ECM2-0804P-A3S2 ECM2-0804P-B3S2	ECM2-0804P-ACS3 ECM2-0804P-BCS3	ECM2-0804P-ARS4 ECM2-0804P-BRS4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCM2-0806N-A3S2 LCM2-0806N-B3S2	LCM2-0806N-ACS3 LCM2-0806N-BCS3	LCM2-0806N-ARS4 LCM2-0806N-BRS4
		PNP 10~30V N.O. N.C.	LCM2-0806P-A3S2 LCM2-0806P-B3S2	LCM2-0806P-ACS3 LCM2-0806P-BCS3	LCM2-0806P-ARS4 LCM2-0806P-BRS4

Cylindrical Metal Barrel



M12 x 50

M12 x 68

M12 x 50

M12 x 68

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series			M12			
Switching Distance Sn (mm)			Standard: 2.0		Standard: 4.0	
DC 2-wire	10~60V	N.O. N.C.	FCM1-1202C-A2U2 FCM1-1202C-B2U2	FCM1-1202C-ARU4 FCM1-1202C-BRU4	FCM2-1204C-A2U2 FCM2-1204C-B2U2	FCM2-1204C-ARU4 FCM2-1204C-BRU4
	10~60V	N.O./N.C.	FCM1-1202C-S2U2	FCM1-1202C-SRU4	FCM2-1204C-S2U2	FCM2-1204C-SRU4
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1202N-A3U2 FCM1-1202N-B3U2	FCM1-1202N-ARU4 FCM1-1202N-BRU4	FCM2-1204N-A3U2 FCM2-1204N-B3U2	FCM2-1204N-ARU4 FCM2-1204N-BRU4
	PNP 10~30V	N.O. N.C.	FCM1-1202P-A3U2 FCM1-1202P-B3U2	FCM1-1202P-ARU4 FCM1-1202P-BRU4	FCM2-1204P-A3U2 FCM2-1204P-B3U2	FCM2-1204P-ARU4 FCM2-1204P-BRU4
	NPN 5~36V	N.O. N.C.	ICM1-1202N-A3U2 ICM1-1202N-B3U2	ICM1-1202N-ARU4 ICM1-1202N-BRU4	ICM2-1204N-A3U2 ICM2-1204N-B3U2	ICM2-1204N-ARU4 ICM2-1204N-BRU4
	PNP 5~36V	N.O. N.C.	ICM1-1202P-A3U2 ICM1-1202P-B3U2	ICM1-1202P-ARU4 ICM1-1202P-BRU4	ICM2-1204P-A3U2 ICM2-1204P-B3U2	ICM2-1204P-ARU4 ICM2-1204P-BRU4
	NPN 10~55V	N.O. N.C.	HCM1-1202N-A3U2 HCM1-1202N-B3U2	HCM1-1202N-ARU4 HCM1-1202N-BRU4	HCM2-1204N-A3U2 HCM2-1204N-B3U2	HCM2-1204N-ARU4 HCM2-1204N-BRU4
	PNP 10~55V	N.O. N.C.	HCM1-1202P-A3U2 HCM1-1202P-B3U2	HCM1-1202P-ARU4 HCM1-1202P-BRU4	HCM2-1204P-A3U2 HCM2-1204P-B3U2	HCM2-1204P-ARU4 HCM2-1204P-BRU4
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-1202N-S4U2 FCM1-1202P-S4U2	FCM1-1202N-SRU4 FCM1-1202P-SRU4	FCM2-1204N-S4U2 FCM2-1204P-S4U2	FCM2-1204N-SRU4 FCM2-1204P-SRU4
	NPN/PNP 10~30V	N.O./N.C.	FCM1-1202D-S4U2	FCM1-1202D-SRU4	FCM2-1204D-S4U2	FCM2-1204D-SRU4
	5~36V N.O./N.C.	NPN PNP	ICM1-1202N-S4U2 ICM1-1202P-S4U2	ICM1-1202N-SRU4 ICM1-1202P-SRU4	ICM2-1204N-S4U2 ICM2-1204P-S4U2	ICM2-1204N-SRU4 ICM2-1204P-SRU4
AC 3-wire	20~250V	N.O. N.C.	FCM1-1202A-A3L2 FCM1-1202A-B3L2	FCM1-1202A-AUL3 FCM1-1202A-BUL3	FCM2-1204A-A3L2 FCM2-1204A-B3L2	FCM2-1204A-AUL3 FCM2-1204A-BUL3
AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-1202U-A3L2 FCM1-1202U-B3L2	FCM1-1202U-AUL3 FCM1-1202U-BUL3	FCM2-1204U-A3L2 FCM2-1204U-B3L2	FCM2-1204U-AUL3 FCM2-1204U-BUL3
NAMUR	6~12V		FCM1-1202NU		FCM2-1204NU	

Cylindrical Metal Barrel



M12 x 50



M12 x 68



M12 x 50



M12 x 68

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M12				
Switching Distance Sn (mm)			Extended: 4.0, Long: 6.0		Extended: 8.0, Long: 10.0		
Extended	DC 2-wire	10~60V N.O. N.C.	ECM1-1204C-A2U2 ECM1-1204C-B2U2	ECM1-1204C-ARU4 ECM1-1204C-BRU4	ECM2-1208C-A2U2 ECM2-1208C-B2U2	ECM2-1208C-ARU4 ECM2-1208C-BRU4	
		10~60V N.O./N.C.	ECM1-1204C-S2U2	ECM1-1204C-SRU4	ECM2-1208C-S2U2	ECM2-1208C-SRU4	
	DC 3-wire	NPN 10~30V N.O. N.C.	ECM1-1204N-A3U2 ECM1-1204N-B3U2	ECM1-1204N-ARU4 ECM1-1204N-BRU4	ECM2-1208N-A3U2 ECM2-1208N-B3U2	ECM2-1208N-ARU4 ECM2-1208N-BRU4	
		PNP 10~30V N.O. N.C.	ECM1-1204P-A3U2 ECM1-1204P-B3U2	ECM1-1204P-ARU4 ECM1-1204P-BRU4	ECM2-1208P-A3U2 ECM2-1208P-B3U2	ECM2-1208P-ARU4 ECM2-1208P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECM1-1204N-S4U2 ECM1-1204P-S4U2	ECM1-1204N-SRU4 ECM1-1204P-SRU4	ECM2-1208N-S4U2 ECM2-1208P-S4U2	ECM2-1208N-SRU4 ECM2-1208P-SRU4
		NPN/PNP 10~30V	N.O./N.C.	ECM1-1204D-S4U2	ECM1-1204D-SRU4	ECM2-1208D-S4U2	ECM2-1208D-SRU4
	AC 3-wire	20~250V	N.O. N.C.	ECM1-1204A-A3L2 ECM1-1204A-B3L2	ECM1-1204A-AUL3 ECM1-1204A-BUL3	ECM2-1208A-A3L2 ECM2-1208A-B3L2	ECM2-1208A-AUL3 ECM2-1208A-BUL3
	AC/DC 3-wire	20~250V	N.O. N.C.	ECM1-1204U-A3L2 ECM1-1204U-B3L2	ECM1-1204U-AUL3 ECM1-1204U-BUL3	ECM2-1208U-A3L2 ECM2-1208U-B3L2	ECM2-1208U-AUL3 ECM2-1208U-BUL3
Long	DC 2-wire	10~60V	N.O. N.C.	LCM1-1206C-A2U2 LCM1-1206C-B2U2	LCM1-1206C-ARU4 LCM1-1206C-BRU4	LCM2-1210C-A2U2 LCM2-1210C-B2U2	LCM2-1210C-ARU4 LCM2-1210C-BRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	LCM1-1206N-A3U2 LCM1-1206N-B3U2	LCM1-1206N-ARU4 LCM1-1206N-BRU4	LCM2-1210N-A3U2 LCM2-1210N-B3U2	LCM2-1210N-ARU4 LCM2-1210N-BRU4
		PNP 10~30V	N.O. N.C.	LCM1-1206P-A3U2 LCM1-1206P-B3U2	LCM1-1206P-ARU4 LCM1-1206P-BRU4	LCM2-1210P-A3U2 LCM2-1210P-B3U2	LCM2-1210P-ARU4 LCM2-1210P-BRU4
		NPN 5~36V	N.O. N.C.	LCM1-1206N-A3U2/I LCM1-1206N-B3U2/I	LCM1-1206N-ARU4/I LCM1-1206N-BRU4/I	LCM2-1210N-A3U2/I LCM2-1210N-B3U2/I	LCM2-1210N-ARU4/I LCM2-1210N-BRU4/I
		PNP 5~36V	N.O. N.C.	LCM1-1206P-A3U2/I LCM1-1206P-B3U2/I	LCM1-1206P-ARU4/I LCM1-1206P-BRU4/I	LCM2-1210P-A3U2/I LCM2-1210P-B3U2/I	LCM2-1210P-ARU4/I LCM2-1210P-BRU4/I
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	LCM1-1206N-S4U2 LCM1-1206P-S4U2	LCM1-1206N-SRU4 LCM1-1206P-SRU4	LCM2-1210N-S4U2 LCM2-1210P-S4U2	LCM2-1210N-SRU4 LCM2-1210P-SRU4

Cylindrical Metal Barrel



M12 x 30

M12 x 50

M12 x 30

M12 x 50

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M12				
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0, Long: 6.0		Standard: 4.0, Extended: 8.0, Long: 10.0		
Standard	DC 2-wire	10~60V	N.O. N.C.	FCM1-1202C-A2S2 FCM1-1202C-B2S2	FCM1-1202C-ARS4 FCM1-1202C-BRS4	FCM2-1204C-A2S2 FCM2-1204C-B2S2	FCM2-1204C-ARS4 FCM2-1204C-BRS4
		NPN10~30V	N.O. N.C.	FCM1-1202N-A3S2 FCM1-1202N-B3S2	FCM1-1202N-ARS4 FCM1-1202N-BRS4	FCM2-1204N-A3S2 FCM2-1204N-B3S2	FCM2-1204N-ARS4 FCM2-1204N-BRS4
	DC 3-wire	PNP10~30V	N.O. N.C.	FCM1-1202P-A3S2 FCM1-1202P-B3S2	FCM1-1202P-ARS4 FCM1-1202P-BRS4	FCM2-1204P-A3S2 FCM2-1204P-B3S2	FCM2-1204P-ARS4 FCM2-1204P-BRS4
		NPN5~36V	N.O. N.C.	ICM1-1202N-A3S2 ICM1-1202N-B3S2	ICM1-1202N-ARS4 ICM1-1202N-BRS4	ICM2-1204N-A3S2 ICM2-1204N-B3S2	ICM2-1204N-ARS4 ICM2-1204N-BRS4
		PNP5~36V	N.O. N.C.	ICM1-1202P-A3S2 ICM1-1202P-B3S2	ICM1-1202P-ARS4 ICM1-1202P-BRS4	ICM2-1204P-A3S2 ICM2-1204P-B3S2	ICM2-1204P-ARS4 ICM2-1204P-BRS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-1202N-S4S2 FCM1-1202P-S4S2	FCM1-1202N-SRS4 FCM1-1202P-SRS4	FCM2-1204N-S4S2 FCM2-1204P-S4S2	FCM2-1204N-SRS4 FCM2-1204P-SRS4
		5~36V N.O./N.C.	NPN PNP	ICM1-1202N-S4S2 ICM1-1202P-S4S2	ICM1-1202N-SRS4 ICM1-1202P-SRS4	ICM2-1204N-S4S2 ICM2-1204P-S4S2	ICM2-1204N-SRS4 ICM2-1204P-SRS4
	Extended	DC 2-wire	10~60V	N.O. N.C.	ECM1-1204C-A2S2 ECM1-1204C-B2S2	ECM1-1204C-ARS4 ECM1-1204C-BRS4	ECM2-1208C-A2S2 ECM2-1208C-B2S2
NPN10~30V			N.O. N.C.	ECM1-1204N-A3S2 ECM1-1204N-B3S2	ECM1-1204N-ARS4 ECM1-1204N-BRS4	ECM2-1208N-A3S2 ECM2-1208N-B3S2	ECM2-1208N-ARS4 ECM2-1208N-BRS4
DC 3-wire		PNP10~30V	N.O. N.C.	ECM1-1204P-A3S2 ECM1-1204P-B3S2	ECM1-1204P-ARS4 ECM1-1204P-BRS4	ECM2-1208P-A3S2 ECM2-1208P-B3S2	ECM2-1208P-ARS4 ECM2-1208P-BRS4
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECM1-1204N-S4S2 ECM1-1204P-S4S2	ECM1-1204N-SRS4 ECM1-1204P-SRS4	ECM2-1208N-S4S2 ECM2-1208P-S4S2
Long	DC 3-wire	NPN10~30V	N.O. N.C.	LCM1-1206N-A3S2 LCM1-1206N-B3S2	LCM1-1206N-ARS4 LCM1-1206N-BRS4	LCM2-1210N-A3S2 LCM2-1210N-B3S2	LCM2-1210N-ARS4 LCM2-1210N-BRS4
		PNP10~30V	N.O. N.C.	LCM1-1206P-A3S2 LCM1-1206P-B3S2	LCM1-1206P-ARS4 LCM1-1206P-BRS4	LCM2-1210P-A3S2 LCM2-1210P-B3S2	LCM2-1210P-ARS4 LCM2-1210P-BRS4

Cylindrical Metal Barrel



M12 x 60



M12 x 60



M12 x 60



M12 x 60

Connection			M12 x 60	M12 x 60	M12 x 60	M12 x 60
			2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series			M12 (Y shape)			
Switching Distance Sn (mm)			Standard: 2.0		Standard: 4.0	
DC 2-wire	10~60V	N.O. N.C.	FCM1-1202C-A2U2Y FCM1-1202C-B2U2Y	FCM1-1202C-ARU4Y FCM1-1202C-BRU4Y	FCM2-1204C-A2U2Y FCM2-1204C-B2U2Y	FCM2-1204C-ARU4Y FCM2-1204C-BRU4Y
	10~60V	N.O./N.C.	FCM1-1202C-S2U2Y	FCM1-1202C-SRU4Y	FCM2-1204C-S2U2Y	FCM2-1204C-SRU4Y
DC 3-wire	NPN10~30V	N.O. N.C.	FCM1-1202N-A3U2Y FCM1-1202N-B3U2Y	FCM1-1202N-ARU4Y FCM1-1202N-BRU4Y	FCM2-1204N-A3U2Y FCM2-1204N-B3U2Y	FCM2-1204N-ARU4Y FCM2-1204N-BRU4Y
	PNP10~30V	N.O. N.C.	FCM1-1202P-A3U2Y FCM1-1202P-B3U2Y	FCM1-1202P-ARU4Y FCM1-1202P-BRU4Y	FCM2-1204P-A3U2Y FCM2-1204P-B3U2Y	FCM2-1204P-ARU4Y FCM2-1204P-BRU4Y
	NPN5~36V	N.O. N.C.	ICM1-1202N-A3U2Y ICM1-1202N-B3U2Y	ICM1-1202N-ARU4Y ICM1-1202N-BRU4Y	ICM2-1204N-A3U2Y ICM2-1204N-B3U2Y	ICM2-1204N-ARU4Y ICM2-1204N-BRU4Y
	PNP5~36V	N.O. N.C.	ICM1-1202P-A3U2Y ICM1-1202P-B3U2Y	ICM1-1202P-ARU4Y ICM1-1202P-BRU4Y	ICM2-1204P-A3U2Y ICM2-1204P-B3U2Y	ICM2-1204P-ARU4Y ICM2-1204P-BRU4Y
	NPN10~55V	N.O. N.C.	HCM1-1202N-A3U2Y HCM1-1202N-B3U2Y	HCM1-1202N-ARU4Y HCM1-1202N-BRU4Y	HCM2-1204N-A3U2Y HCM2-1204N-B3U2Y	HCM2-1204N-ARU4Y HCM2-1204N-BRU4Y
	PNP10~55V	N.O. N.C.	HCM1-1202P-A3U2Y HCM1-1202P-B3U2Y	HCM1-1202P-ARU4Y HCM1-1202P-BRU4Y	HCM2-1204P-A3U2Y HCM2-1204P-B3U2Y	HCM2-1204P-ARU4Y HCM2-1204P-BRU4Y
	10~30V N.O./N.C.	NPN PNP	FCM1-1202N-S4U2Y FCM1-1202P-S4U2Y	FCM1-1202N-SRU4Y FCM1-1202P-SRU4Y	FCM2-1204N-S4U2Y FCM2-1204P-S4U2Y	FCM2-1204N-SRU4Y FCM2-1204P-SRU4Y
	NPN/PNP 10~30V	N.O./N.C.	FCM1-1202D-S4U2Y	FCM1-1202D-SRU4Y	FCM2-1204D-S4U2Y	FCM2-1204D-SRU4Y
DC 4-wire	5~36V N.O./N.C.	NPN PNP	ICM1-1202N-S4U2Y ICM1-1202P-S4U2Y	ICM1-1202N-SRU4Y ICM1-1202P-SRU4Y	ICM2-1204N-S4U2Y ICM2-1204P-S4U2Y	ICM2-1204N-SRU4Y ICM2-1204P-SRU4Y
	AC 3-wire 20~250V	N.O. N.C.	FCM1-1202A-A3L2Y FCM1-1202A-B3L2Y	FCM1-1202A-AUL3Y FCM1-1202A-BUL3Y	FCM2-1204A-A3L2Y FCM2-1204A-B3L2Y	FCM2-1204A-AUL3Y FCM2-1204A-BUL3Y
AC/DC 3-wire 20~250V		N.O. N.C.	FCM1-1202U-A3L2Y FCM1-1202U-B3L2Y	FCM1-1202U-AUL3Y FCM1-1202U-BUL3Y	FCM2-1204U-A3L2Y FCM2-1204U-B3L2Y	FCM2-1204U-AUL3Y FCM2-1204U-BUL3Y

Standard

Cylindrical Metal Barrel



M12 x 51



M12 x 67



M12 x 51



M12 x 67

Connection			M12 x 51 2 m Cable	M12 x 67 M12 Connector	M12 x 51 2 m Cable	M12 x 67 M12 Connector
Series			M12 (Z shape)			
Switching Distance Sn (mm)			Standard: 2.0		Standard: 4.0	
DC 2-wire	10~60V	N.O. N.C.	FCM1-1202C-A2U2Z FCM1-1202C-B2U2Z	FCM1-1202C-ACU3Z FCM1-1202C-BCU3Z	FCM2-1204C-A2U2Z FCM2-1204C-B2U2Z	FCM2-1204C-ACU3Z FCM2-1204C-BCU3Z
	10~60V	N.O./N.C.	FCM1-1202C-S2U2Z	FCM1-1202C-SCU3Z	FCM2-1204C-S2U2Z	FCM2-1204C-SCU3Z
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1202N-A3U2Z FCM1-1202N-B3U2Z	FCM1-1202N-ACU3Z FCM1-1202N-BCU3Z	FCM2-1204N-A3U2Z FCM2-1204N-B3U2Z	FCM2-1204N-ACU3Z FCM2-1204N-BCU3Z
	PNP 10~30V	N.O. N.C.	FCM1-1202P-A3U2Z FCM1-1202P-B3U2Z	FCM1-1202P-ACU3Z FCM1-1202P-BCU3Z	FCM2-1204P-A3U2Z FCM2-1204P-B3U2Z	FCM2-1204P-ACU3Z FCM2-1204P-BCU3Z
	NPN 5~36V	N.O. N.C.	ICM1-1202N-A3U2Z ICM1-1202N-B3U2Z	ICM1-1202N-ACU3Z ICM1-1202N-BCU3Z	ICM2-1204N-A3U2Z ICM2-1204N-B3U2Z	ICM2-1204N-ACU3Z ICM2-1204N-BCU3Z
	PNP 5~36V	N.O. N.C.	ICM1-1202P-A3U2Z ICM1-1202P-B3U2Z	ICM1-1202P-ACU3Z ICM1-1202P-BCU3Z	ICM2-1204P-A3U2Z ICM2-1204P-B3U2Z	ICM2-1204P-ACU3Z ICM2-1204P-BCU3Z
	NPN 10~55V	N.O. N.C.	HCM1-1202N-A3U2Z HCM1-1202N-B3U2Z	HCM1-1202N-ACU3Z HCM1-1202N-BCU3Z	HCM2-1204N-A3U2Z HCM2-1204N-B3U2Z	HCM2-1204N-ACU3Z HCM2-1204N-BCU3Z
	PNP 10~55V	N.O. N.C.	HCM1-1202P-A3U2Z HCM1-1202P-B3U2Z	HCM1-1202P-ACU3Z HCM1-1202P-BCU3Z	HCM2-1204P-A3U2Z HCM2-1204P-B3U2Z	HCM2-1204P-ACU3Z HCM2-1204P-BCU3Z
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-1202N-S4U2Z FCM1-1202P-S4U2Z	FCM1-1202N-SCU4Z FCM1-1202P-SCU4Z	FCM2-1204N-S4U2Z FCM2-1204P-S4U2Z	FCM2-1204N-SCU4Z FCM2-1204P-SCU4Z
	NPN/PNP 10~30V	N.O./N.C.	FCM1-1202D-S4U2Z	FCM1-1202D-SCU4Z	FCM2-1204D-S4U2Z	FCM2-1204D-SCU4Z
	5~36V N.O./N.C.	NPN PNP	ICM1-1202N-S4U2Z ICM1-1202P-S4U2Z	ICM1-1202N-SCU4Z ICM1-1202P-SCU4Z	ICM2-1204N-S4U2Z ICM2-1204P-S4U2Z	ICM2-1204N-SCU4Z ICM2-1204P-SCU4Z
AC 3-wire	20~250V	N.O. N.C.	FCM1-1202A-A3L2Z FCM1-1202A-B3L2Z		FCM2-1204A-A3L2Z FCM2-1204A-B3L2Z	
AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-1202U-A3L2Z FCM1-1202U-B3L2Z		FCM2-1204U-A3L2Z FCM2-1204U-B3L2Z	

Cylindrical Metal Barrel



M18 x 35



M18 x 48



M18 x 40



M18 x 48

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M18				
Switching Distance Sn (mm)			Standard: 5.0, Extended: 8.0, Long: 12.0		Standard: 8.0, Extended: 16.0, Long: 20.0		
Standard	DC 2-wire	10~60V	N.O. N.C.	FCM1-1805C-A2S2 FCM1-1805C-B2S2	FCM1-1805C-ARS4 FCM1-1805C-BRS4	FCM2-1808C-A2S2 FCM2-1808C-B2S2	FCM2-1808C-ARS4 FCM2-1808C-BRS4
		NPN 10~30V	N.O. N.C.	FCM1-1805N-A3S2 FCM1-1805N-B3S2	FCM1-1805N-ARS4 FCM1-1805N-BRS4	FCM2-1808N-A3S2 FCM2-1808N-B3S2	FCM2-1808N-ARS4 FCM2-1808N-BRS4
		PNP 10~30V	N.O. N.C.	FCM1-1805P-A3S2 FCM1-1805P-B3S2	FCM1-1805P-ARS4 FCM1-1805P-BRS4	FCM2-1808P-A3S2 FCM2-1808P-B3S2	FCM2-1808P-ARS4 FCM2-1808P-BRS4
	DC 3-wire	NPN 5~36V	N.O. N.C.	ICM1-1805N-A3S2 ICM1-1805N-B3S2	ICM1-1805N-ARS4 ICM1-1805N-BRS4	ICM2-1808N-A3S2 ICM2-1808N-B3S2	ICM2-1808N-ARS4 ICM2-1808N-BRS4
		PNP 5~36V	N.O. N.C.	ICM1-1805P-A3S2 ICM1-1805P-B3S2	ICM1-1805P-ARS4 ICM1-1805P-BRS4	ICM2-1808P-A3S2 ICM2-1808P-B3S2	ICM2-1808P-ARS4 ICM2-1808P-BRS4
		NPN 10~55V	N.O. N.C.	HCM1-1805N-A3S2 HCM1-1805N-B3S2	HCM1-1805N-ARS4 HCM1-1805N-BRS4	HCM2-1808N-A3S2 HCM2-1808N-B3S2	HCM2-1808N-ARS4 HCM2-1808N-BRS4
		PNP 10~55V	N.O. N.C.	HCM1-1805P-A3S2 HCM1-1805P-B3S2	HCM1-1805P-ARS4 HCM1-1805P-BRS4	HCM2-1808P-A3S2 HCM2-1808P-B3S2	HCM2-1808P-ARS4 HCM2-1808P-BRS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-1805N-S4S2 FCM1-1805P-S4S2	FCM1-1805N-SRS4 FCM1-1805P-SRS4	FCM2-1808N-S4S2 FCM2-1808P-S4S2	FCM2-1808N-SRS4 FCM2-1808P-SRS4
		5~36V N.O./N.C.	NPN PNP	ICM1-1805N-S4S2 ICM1-1805P-S4S2	ICM1-1805N-SRS4 ICM1-1805P-SRS4	ICM2-1808N-S4S2 ICM2-1808P-S4S2	ICM2-1808N-SRS4 ICM2-1808P-SRS4
	Extended	DC 2-wire	10~60V	N.O. N.C.	ECM1-1808C-A2S2 ECM1-1808C-B2S2	ECM1-1808C-ARS4 ECM1-1808C-BRS4	ECM2-1816C-A2S2 ECM2-1816C-B2S2
NPN 10~30V			N.O. N.C.	ECM1-1808N-A3S2 ECM1-1808N-B3S2	ECM1-1808N-ARS4 ECM1-1808N-BRS4	ECM2-1816N-A3S2 ECM2-1816N-B3S2	ECM2-1816N-ARS4 ECM2-1816N-BRS4
DC 3-wire		PNP 10~30V	N.O. N.C.	ECM1-1808P-A3S2 ECM1-1808P-B3S2	ECM1-1808P-ARS4 ECM1-1808P-BRS4	ECM2-1816P-A3S2 ECM2-1816P-B3S2	ECM2-1816P-ARS4 ECM2-1816P-BRS4
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECM1-1808N-S4S2 ECM1-1808P-S4S2	ECM1-1808N-SRS4 ECM1-1808P-SRS4	ECM2-1816N-S4S2 ECM2-1816P-S4S2
Long	DC 2-wire	10~60V	N.O. N.C.	LCM1-1812C-A2S2 LCM1-1812C-B2S2	LCM1-1812C-ARS4 LCM1-1812C-BRS4	LCM2-1820C-A2S2 LCM2-1820C-B2S2	LCM2-1820C-ARS4 LCM2-1820C-BRS4
		NPN 10~30V	N.O. N.C.	LCM1-1812N-A3S2 LCM1-1812N-B3S2	LCM1-1812N-ARS4 LCM1-1812N-BRS4	LCM2-1820N-A3S2 LCM2-1820N-B3S2	LCM2-1820N-ARS4 LCM2-1820N-BRS4
	DC 3-wire	PNP 10~30V	N.O. N.C.	LCM1-1812P-A3S2 LCM1-1812P-B3S2	LCM1-1812P-ARS4 LCM1-1812P-BRS4	LCM2-1820P-A3S2 LCM2-1820P-B3S2	LCM2-1820P-ARS4 LCM2-1820P-BRS4
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	LCM1-1812N-S4S2 LCM1-1812P-S4S2	LCM1-1812N-SRS4 LCM1-1812P-SRS4	LCM2-1820N-S4S2 LCM2-1820P-S4S2

Cylindrical Metal Barrel



M18 x 55



M18 x 79



M18 x 99

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M18		
Switching Distance Sn (mm)			Standard: 5.0		
DC 2-wire	10~60V	N.O. N.C.	FCM1-1805C-A2U2 FCM1-1805C-B2U2	FCM1-1805C-ARU4 FCM1-1805C-BRU4	FCM1-1805C-AZU4 FCM1-1805C-BZU4
	10~60V	N.O./N.C.	FCM1-1805C-S2U2	FCM1-1805C-SRU4	FCM1-1805C-SZU4
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1805N-A3U2 FCM1-1805N-B3U2	FCM1-1805N-ARU4 FCM1-1805N-BRU4	FCM1-1805N-AZU4 FCM1-1805N-BZU4
	PNP 10~30V	N.O. N.C.	FCM1-1805P-A3U2 FCM1-1805P-B3U2	FCM1-1805P-ARU4 FCM1-1805P-BRU4	FCM1-1805P-AZU4 FCM1-1805P-BZU4
	NPN 5~36V	N.O. N.C.	ICM1-1805N-A3U2 ICM1-1805N-B3U2	ICM1-1805N-ARU4 ICM1-1805N-BRU4	ICM1-1805N-AZU4 ICM1-1805N-BZU4
	PNP 5~36V	N.O. N.C.	ICM1-1805P-A3U2 ICM1-1805P-B3U2	ICM1-1805P-ARU4 ICM1-1805P-BRU4	ICM1-1805P-AZU4 ICM1-1805P-BZU4
	NPN 10~55V	N.O. N.C.	HCM1-1805N-A3U2 HCM1-1805N-B3U2	HCM1-1805N-ARU4 HCM1-1805N-BRU4	HCM1-1805N-AZU4 HCM1-1805N-BZU4
	PNP 10~55V	N.O. N.C.	HCM1-1805P-A3U2 HCM1-1805P-B3U2	HCM1-1805P-ARU4 HCM1-1805P-BRU4	HCM1-1805P-AZU4 HCM1-1805P-BZU4
	10~30V N.O./N.C.	NPN PNP	FCM1-1805N-S4U2 FCM1-1805P-S4U2	FCM1-1805N-SRU4 FCM1-1805P-SRU4	FCM1-1805N-SZU4 FCM1-1805P-SZU4
	NPN/PNP 10~30V	N.O./N.C.	FCM1-1805D-S4U2	FCM1-1805D-SRU4	FCM1-1805D-SZU4
DC 4-wire	5~36V N.O./N.C.	NPN PNP	ICM1-1805N-S4U2 ICM1-1805P-S4U2	ICM1-1805N-SRU4 ICM1-1805P-SRU4	ICM1-1805N-SZU4 ICM1-1805P-SZU4
	AC 3-wire 20~250V	N.O. N.C.	FCM1-1805A-A3L2 FCM1-1805A-B3L2	FCM1-1805A-AUL3 FCM1-1805A-BUL3	FCM1-1805A-AZL3 FCM1-1805A-BZL3
AC 5-wire 20~250V			N.O./N.C.	FCM1-1805A-C5L2	FCM1-1805A-CUL5 FCM1-1805A-CZL5
AC/DC 3-wire 20~250V			N.O. N.C.	FCM1-1805U-A3L2 FCM1-1805U-B3L2	FCM1-1805U-AUL3 FCM1-1805U-BUL3 FCM1-1805U-AZL3 FCM1-1805U-BZL3
NAMUR 6~12V			FCM1-1805NU		

Cylindrical Metal Barrel



M18 x 55



M18 x 79



M18 x 99

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M18		
Switching Distance Sn (mm)			Extended: 8.0, Long: 12.0		
Extended	DC 2-wire	10~60V N.O. N.C.	ECM1-1808C-A2U2 ECM1-1808C-B2U2	ECM1-1808C-ARU4 ECM1-1808C-BRU4	ECM1-1808C-AZU4 ECM1-1808C-BZU4
		10~60V N.O./N.C.	ECM1-1808C-S2U2	ECM1-1808C-SRU4	ECM1-1808C-SZU4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECM1-1808N-A3U2 ECM1-1808N-B3U2	ECM1-1808N-ARU4 ECM1-1808N-BRU4	ECM1-1808N-AZU4 ECM1-1808N-BZU4
		PNP 10~30V N.O. N.C.	ECM1-1808P-A3U2 ECM1-1808P-B3U2	ECM1-1808P-ARU4 ECM1-1808P-BRU4	ECM1-1808P-AZU4 ECM1-1808P-BZU4
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECM1-1808N-S4U2 ECM1-1808P-S4U2	ECM1-1808N-SRU4 ECM1-1808P-SRU4	ECM1-1808N-SZU4 ECM1-1808P-SZU4
		NPN/PNP 10~30V N.O./N.C.	ECM1-1808D-S4U2	ECM1-1808D-SRU4	ECM1-1808D-SZU4
	AC 3-wire 20~250V N.O. N.C.		ECM1-1808A-A3L2 ECM1-1808A-B3L2	ECM1-1808A-AUL3 ECM1-1808A-BUL3	ECM1-1808A-AZL3 ECM1-1808A-BZL3
	AC/DC 3-wire 20~250V N.O. N.C.		ECM1-1808U-A3L2 ECM1-1808U-B3L2	ECM1-1808U-AUL3 ECM1-1808U-BUL3	ECM1-1808U-AZL3 ECM1-1808U-BZL3
Long	DC 2-wire 10~60V N.O. N.C.	LCM1-1812C-A2U2 LCM1-1812C-B2U2	LCM1-1812C-ARU4 LCM1-1812C-BRU4	LCM1-1812C-AZU4 LCM1-1812C-BZU4	
	DC 3-wire	NPN 10~30V N.O. N.C.	LCM1-1812N-A3U2 LCM1-1812N-B3U2	LCM1-1812N-ARU4 LCM1-1812N-BRU4	LCM1-1812N-AZU4 LCM1-1812N-BZU4
		PNP 10~30V N.O. N.C.	LCM1-1812P-A3U2 LCM1-1812P-B3U2	LCM1-1812P-ARU4 LCM1-1812P-BRU4	LCM1-1812P-AZU4 LCM1-1812P-BZU4
	DC 4-wire 10~30V N.O./N.C. NPN PNP	LCM1-1812N-S4U2 LCM1-1812P-S4U2	LCM1-1812N-SRU4 LCM1-1812P-SRU4	LCM1-1812N-SZU4 LCM1-1812P-SZU4	
	AC/DC 3-wire 20~250V N.O. N.C.		LCM1-1812U-A3L2 LCM1-1812U-B3L2	LCM1-1812U-AUL3 LCM1-1812U-BUL3	LCM1-1812U-AZL3 LCM1-1812U-BZL3

Cylindrical Metal Barrel



M18 x 55



M18 x 79



M18 x 99

Connection			M18 x 55 2 m Cable	M18 x 79 M12 Connector	M18 x 99 7/8"-16UN-2A
Series			M18		
Switching Distance Sn (mm)			Standard: 8.0		
DC 2-wire	10~60V	N.O. N.C.	FCM2-1808C-A2U2 FCM2-1808C-B2U2	FCM2-1808C-ARU4 FCM2-1808C-BRU4	FCM2-1808C-AZU4 FCM2-1808C-BZU4
	10~60V	N.O./N.C.	FCM2-1808C-S2U2	FCM2-1808C-SRU4	FCM2-1808C-SZU4
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-1808N-A3U2 FCM2-1808N-B3U2	FCM2-1808N-ARU4 FCM2-1808N-BRU4	FCM2-1808N-AZU4 FCM2-1808N-BZU4
	PNP 10~30V	N.O. N.C.	FCM2-1808P-A3U2 FCM2-1808P-B3U2	FCM2-1808P-ARU4 FCM2-1808P-BRU4	FCM2-1808P-AZU4 FCM2-1808P-BZU4
	NPN 5~36V	N.O. N.C.	ICM2-1808N-A3U2 ICM2-1808N-B3U2	ICM2-1808N-ARU4 ICM2-1808N-BRU4	ICM2-1808N-AZU4 ICM2-1808N-BZU4
	PNP 5~36V	N.O. N.C.	ICM2-1808P-A3U2 ICM2-1808P-B3U2	ICM2-1808P-ARU4 ICM2-1808P-BRU4	ICM2-1808P-AZU4 ICM2-1808P-BZU4
	NPN 10~55V	N.O. N.C.	HCM2-1808N-A3U2 HCM2-1808N-B3U2	HCM2-1808N-ARU4 HCM2-1808N-BRU4	HCM2-1808N-AZU4 HCM2-1808N-BZU4
	PNP 10~55V	N.O. N.C.	HCM2-1808P-A3U2 HCM2-1808P-B3U2	HCM2-1808P-ARU4 HCM2-1808P-BRU4	HCM2-1808P-AZU4 HCM2-1808P-BZU4
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM2-1808N-S4U2 FCM2-1808P-S4U2	FCM2-1808N-SRU4 FCM2-1808P-SRU4	FCM2-1808N-SZU4 FCM2-1808P-SZU4
	NPN/PNP 10~30V	N.O./N.C.	FCM2-1808D-S4U2	FCM2-1808D-SRU4	FCM2-1808D-SZU4
	5~36V N.O./N.C.	NPN PNP	ICM2-1808N-S4U2 ICM2-1808P-S4U2	ICM2-1808N-SRU4 ICM2-1808P-SRU4	ICM2-1808N-SZU4 ICM2-1808P-SZU4
AC 3-wire	20~250V	N.O. N.C.	FCM2-1808A-A3L2 FCM2-1808A-B3L2	FCM2-1808A-AUL3 FCM2-1808A-BUL3	FCM2-1808A-AZL3 FCM2-1808A-BZL3
AC 5-wire	20~250V	N.O./N.C.	FCM2-1808A-C5L2	FCM2-1808A-CUL5	FCM2-1808A-CZL5
AC/DC 3-wire	20~250V	N.O. N.C.	FCM2-1808U-A3L2 FCM2-1808U-B3L2	FCM2-1808U-AUL3 FCM2-1808U-BUL3	FCM2-1808U-AZL3 FCM2-1808U-BZL3
NAMUR	6~12V		FCM2-1808NU		

Cylindrical Metal Barrel



M18 x 55



M18 x 79



M18 x 99

Connection			M18 x 55	M18 x 79	M18 x 99
			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M18		
Switching Distance Sn (mm)			Extended: 16.0, Long: 20.0		
Extended	DC 2-wire	10~60V N.O. N.C.	ECM2-1816C-A2U2 ECM2-1816C-B2U2	ECM2-1816C-ARU4 ECM2-1816C-BRU4	ECM2-1816C-AZU4 ECM2-1816C-BZU4
		10~60V N.O./N.C.	ECM2-1816C-S2U2	ECM2-1816C-SRU4	ECM2-1816C-SZU4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECM2-1816N-A3U2 ECM2-1816N-B3U2	ECM2-1816N-ARU4 ECM2-1816N-BRU4	ECM2-1816N-AZU4 ECM2-1816N-BZU4
		PNP 10~30V N.O. N.C.	ECM2-1816P-A3U2 ECM2-1816P-B3U2	ECM2-1816P-ARU4 ECM2-1816P-BRU4	ECM2-1816P-AZU4 ECM2-1816P-BZU4
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECM2-1816N-S4U2 ECM2-1816P-S4U2	ECM2-1816N-SRU4 ECM2-1816P-SRU4	ECM2-1816N-SZU4 ECM2-1816P-SZU4
		NPN/PNP 10~30V N.O./N.C.	ECM2-1816D-S4U2	ECM2-1816D-SRU4	ECM2-1808D-SZU4
	AC 3-wire	20~250V N.O. N.C.	ECM2-1816A-A3L2 ECM2-1816A-B3L2	ECM2-1816A-AUL3 ECM2-1816A-BUL3	ECM2-1816A-AZL3 ECM2-1816A-BZL3
	AC/DC 3-wire	20~250V N.O. N.C.	ECM2-1816U-A3L2 ECM2-1816U-B3L2	ECM2-1816U-AUL3 ECM2-1816U-BUL3	ECM2-1816U-AZL3 ECM2-1816U-BZL3
	Long	DC 2-wire 10~60V N.O. N.C.	LCM2-1820C-A2U2 LCM2-1820C-B2U2	LCM2-1820C-ARU4 LCM2-1820C-BRU4	LCM2-1820C-AZU4 LCM2-1820C-BZU4
		NPN 10~30V N.O. N.C.	LCM2-1820N-A3U2 LCM2-1820N-B3U2	LCM2-1820N-ARU4 LCM2-1820N-BRU4	LCM2-1820N-AZU4 LCM2-1820N-BZU4
		PNP 10~30V N.O. N.C.	LCM2-1820P-A3U2 LCM2-1820P-B3U2	LCM2-1820P-ARU4 LCM2-1820P-BRU4	LCM2-1820P-AZU4 LCM2-1820P-BZU4
		DC 4-wire 10~30V N.O./N.C. NPN PNP	LCM2-1820N-S4U2 LCM2-1820P-S4U2	LCM2-1820N-SRU4 LCM2-1820P-SRU4	LCM2-1820N-SZU4 LCM2-1820P-SZU4
		AC/DC 3-wire 20~250V N.O. N.C.	LCM2-1820U-A3L2 LCM2-1820U-B3L2	LCM2-1820U-AUL3 LCM2-1820U-BUL3	LCM2-1820U-AZL3 LCM2-1820U-BZL3

Cylindrical Metal Barrel



M18 x 55



M18 x 65



M18 x 82

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M18 (Y shape)		
Switching Distance Sn (mm)			Standard: 5.0		
DC 2-wire	10~60V	N.O. N.C.	FCM1-1805C-A2U2Y FCM1-1805C-B2U2Y	FCM1-1805C-ARU4Y FCM1-1805C-BRU4Y	FCM1-1805C-AZU4Y FCM1-1805C-BZU4Y
	10~60V	N.O./N.C.	FCM1-1805C-S2U2Y	FCM1-1805C-SRU4Y	FCM1-1805C-SZU4Y
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1805N-A3U2Y FCM1-1805N-B3U2Y	FCM1-1805N-ARU4Y FCM1-1805N-BRU4Y	FCM1-1805N-AZU4Y FCM1-1805N-BZU4Y
	PNP 10~30V	N.O. N.C.	FCM1-1805P-A3U2Y FCM1-1805P-B3U2Y	FCM1-1805P-ARU4Y FCM1-1805P-BRU4Y	FCM1-1805P-AZU4Y FCM1-1805P-BZU4Y
	NPN 5~36V	N.O. N.C.	ICM1-1805N-A3U2Y ICM1-1805N-B3U2Y	ICM1-1805N-ARU4Y ICM1-1805N-BRU4Y	ICM1-1805N-AZU4Y ICM1-1805N-BZU4Y
	PNP 5~36V	N.O. N.C.	ICM1-1805P-A3U2Y ICM1-1805P-B3U2Y	ICM1-1805P-ARU4Y ICM1-1805P-BRU4Y	ICM1-1805P-AZU4Y ICM1-1805P-BZU4Y
	NPN 10~55V	N.O. N.C.	HCM1-1805N-A3U2Y HCM1-1805N-B3U2Y	HCM1-1805N-ARU4Y HCM1-1805N-BRU4Y	HCM1-1805N-AZU4Y HCM1-1805N-BZU4Y
	PNP 10~55V	N.O. N.C.	HCM1-1805P-A3U2Y HCM1-1805P-B3U2Y	HCM1-1805P-ARU4Y HCM1-1805P-BRU4Y	HCM1-1805P-AZU4Y HCM1-1805P-BZU4Y
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-1805N-S4U2Y FCM1-1805P-S4U2Y	FCM1-1805N-SRU4Y FCM1-1805P-SRU4Y	FCM1-1805N-SZU4Y FCM1-1805P-SZU4Y
	NPN/PNP 10~30V	N.O./N.C.	FCM1-1805D-S4U2Y	FCM1-1805D-SRU4Y	FCM1-1805D-SZU4Y
	5~36V N.O./N.C.	NPN PNP	ICM1-1805N-S4U2Y ICM1-1805P-S4U2Y	ICM1-1805N-SRU4Y ICM1-1805P-SRU4Y	ICM1-1805N-SZU4Y ICM1-1805P-SZU4Y
AC 3-wire	20~250V	N.O. N.C.	FCM1-1805A-A3L2Y FCM1-1805A-B3L2Y	FCM1-1805A-AUL3Y FCM1-1805A-BUL3Y	FCM1-1805A-AZL3Y FCM1-1805A-BZL3Y
AC 5-wire	20~250V	N.O./N.C.	FCM1-1805A-C5L2Y	FCM1-1805A-CUL5Y	FCM1-1805A-CZL5Y
AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-1805U-A3L2Y FCM1-1805U-B3L2Y	FCM1-1805U-AUL3Y FCM1-1805U-BUL3Y	FCM1-1805U-AZL3Y FCM1-1805U-BZL3Y

Cylindrical Metal Barrel



M18 x 55



M18 x 65



M18 x 82

Connection			M18 x 55	M18 x 65	M18 x 82
			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M18 (Y shape)		
Switching Distance Sn (mm)			Standard: 8.0		
DC 2-wire	10~60V	N.O. N.C.	FCM2-1808C-A2U2Y FCM2-1808C-B2U2Y	FCM2-1808C-ARU4Y FCM2-1808C-BRU4Y	FCM2-1808C-AZU4Y FCM2-1808C-BZU4Y
	10~30V	N.O./N.C.	FCM2-1808C-S2U2Y	FCM2-1808C-SRU4Y	FCM2-1808C-SZU4Y
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-1808N-A3U2Y FCM2-1808N-B3U2Y	FCM2-1808N-ARU4Y FCM2-1808N-BRU4Y	FCM2-1808N-AZU4Y FCM2-1808N-BZU4Y
	PNP 10~30V	N.O. N.C.	FCM2-1808P-A3U2Y FCM2-1808P-B3U2Y	FCM2-1808P-ARU4Y FCM2-1808P-BRU4Y	FCM2-1808P-AZU4Y FCM2-1808P-BZU4Y
	NPN 5~36V	N.O. N.C.	ICM2-1808N-A3U2Y ICM2-1808N-B3U2Y	ICM2-1808N-ARU4Y ICM2-1808N-BRU4Y	ICM2-1808N-AZU4Y ICM2-1808N-BZU4Y
	PNP 5~36V	N.O. N.C.	ICM2-1808P-A3U2Y ICM2-1808P-B3U2Y	ICM2-1808P-ARU4Y ICM2-1808P-BRU4Y	ICM2-1808P-AZU4Y ICM2-1808P-BZU4Y
	NPN 10~55V	N.O. N.C.	HCM2-1808N-A3U2Y HCM2-1808N-B3U2Y	HCM2-1808N-ARU4Y HCM2-1808N-BRU4Y	HCM2-1808N-AZU4Y HCM2-1808N-BZU4Y
	PNP 10~55V	N.O. N.C.	HCM2-1808P-A3U2Y HCM2-1808P-B3U2Y	HCM2-1808P-ARU4Y HCM2-1808P-BRU4Y	HCM2-1808P-AZU4Y HCM2-1808P-BZU4Y
	10~30V N.O./N.C.	NPN PNP	FCM2-1808N-S4U2Y FCM2-1808P-S4U2Y	FCM2-1808N-SRU4Y FCM2-1808P-SRU4Y	FCM2-1808N-SZU4Y FCM2-1808P-SZU4Y
	NPN/PNP 10~30V	N.O./N.C.	FCM2-1808D-S4U2Y	FCM2-1808D-SRU4Y	FCM2-1808D-SZU4Y
DC 4-wire	5~36V N.O./N.C.	NPN PNP	ICM2-1808N-S4U2Y ICM2-1808P-S4U2Y	ICM2-1808N-SRU4Y ICM2-1808P-SRU4Y	ICM2-1808N-SZU4Y ICM2-1808P-SZU4Y
	AC 3-wire 20~250V	N.O. N.C.	FCM2-1808A-A3L2Y FCM2-1808A-B3L2Y	FCM2-1808A-AUL3Y FCM2-1808A-BUL3Y	FCM2-1808A-AZL3Y FCM2-1808A-BZL3Y
AC 5-wire 20~250V			N.O./N.C.	FCM2-1808A-C5L2Y	FCM2-1808A-CUL5Y FCM2-1808A-CZL5Y
AC/DC 3-wire 20~250V			N.O. N.C.	FCM2-1808U-A3L2Y FCM2-1808U-B3L2Y	FCM2-1808U-AUL3Y FCM2-1808U-BUL3Y FCM2-1808U-AZL3Y FCM2-1808U-BZL3Y

Standard

Cylindrical Metal Barrel



M18 x 55



M18 x 65



M18 x 55



M18 x 65

Connection			M18 x 55 2 m Cable	M18 x 65 M12 Connector	M18 x 55 2 m Cable	M18 x 65 M12 Connector
Series			M18 (Z shape)			
Switching Distance Sn (mm)			Standard: 5.0		Standard: 8.0	
DC 2-wire	10~60V	N.O. N.C.	FCM1-1805C-A2U2Z FCM1-1805C-B2U2Z	FCM1-1805C-ARU4Z FCM1-1805C-BRU4Z	FCM2-1808C-A2U2Z FCM2-1808C-B2U2Z	FCM2-1808C-ARU4Z FCM2-1808C-BRU4Z
	10~60V	N.O./N.C.	FCM1-1805C-S2U2Z	FCM1-1805C-SRU4Z	FCM2-1808C-S2U2Z	FCM2-1808C-SRU4Z
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1805N-A3U2Z FCM1-1805N-B3U2Z	FCM1-1805N-ARU4Z FCM1-1805N-BRU4Z	FCM2-1808N-A3U2Z FCM2-1808N-B3U2Z	FCM2-1808N-ARU4Z FCM2-1808N-BRU4Z
	PNP 10~30V	N.O. N.C.	FCM1-1805P-A3U2Z FCM1-1805P-B3U2Z	FCM1-1805P-ARU4Z FCM1-1805P-BRU4Z	FCM2-1808P-A3U2Z FCM2-1808P-B3U2Z	FCM2-1808P-ARU4Z FCM2-1808P-BRU4Z
	NPN 5~36V	N.O. N.C.	ICM1-1805N-A3U2Z ICM1-1805N-B3U2Z	ICM1-1805N-ARU4Z ICM1-1805N-BRU4Z	ICM2-1808N-A3U2Z ICM2-1808N-B3U2Z	ICM2-1808N-ARU4Z ICM2-1808N-BRU4Z
	PNP 5~36V	N.O. N.C.	ICM1-1805P-A3U2Z ICM1-1805P-B3U2Z	ICM1-1805P-ARU4Z ICM1-1805P-BRU4Z	ICM2-1808P-A3U2Z ICM2-1808P-B3U2Z	ICM2-1808P-ARU4Z ICM2-1808P-BRU4Z
	NPN 10~55V	N.O. N.C.	HCM1-1805N-A3U2Z HCM1-1805N-B3U2Z	HCM1-1805N-ARU4Z HCM1-1805N-BRU4Z	HCM2-1808N-A3U2Z HCM2-1808N-B3U2Z	HCM2-1808N-ARU4Z HCM2-1808N-BRU4Z
	PNP 10~55V	N.O. N.C.	HCM1-1805P-A3U2Z HCM1-1805P-B3U2Z	HCM1-1805P-ARU4Z HCM1-1805P-BRU4Z	HCM2-1808P-A3U2Z HCM2-1808P-B3U2Z	HCM2-1808P-ARU4Z HCM2-1808P-BRU4Z
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-1805N-S4U2Z FCM1-1805P-S4U2Z	FCM1-1805N-SRU4Z FCM1-1805P-SRU4Z	FCM2-1808N-S4U2Z FCM2-1808P-S4U2Z	FCM2-1808N-SRU4Z FCM2-1808P-SRU4Z
	NPN/PNP 10~30V	N.O./N.C.	FCM1-1805D-S4U2Z	FCM1-1805D-SRU4Z	FCM2-1808D-S4U2Z	FCM2-1808D-SRU4Z
	5~36V N.O./N.C.	NPN PNP	ICM1-1805N-S4U2Z ICM1-1805P-S4U2Z	ICM1-1805N-SRU4Z ICM1-1805P-SRU4Z	ICM2-1808N-S4U2Z ICM2-1808P-S4U2Z	ICM2-1808N-SRU4Z ICM2-1808P-SRU4Z
AC 3-wire	20~250V	N.O. N.C.	FCM1-1805A-A3L2Z FCM1-1805A-B3L2Z	FCM1-1805A-AUL3Z FCM1-1805A-BUL3Z	FCM2-1808A-A3L2Z FCM2-1808A-B3L2Z	FCM2-1808A-AUL3Z FCM2-1808A-BUL3Z
AC 5-wire	20~250V	N.O./N.C.	FCM1-1805A-C5L2Z	FCM1-1805A-CUL5Z	FCM2-1808A-C5L2Z	FCM2-1808A-CUL5Z
AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-1805U-A3L2Z FCM1-1805U-B3L2Z	FCM1-1805U-AUL3Z FCM1-1805U-BUL3Z	FCM2-1808U-A3L2Z FCM2-1808U-B3L2Z	FCM2-1808U-AUL3Z FCM2-1808U-BUL3Z

Cylindrical Metal Barrel



M30 x 35



M30 x 48



M30 x 40



M30 x 53

Connection			2 m Cable		M12 Connector		2 m Cable		M12 Connector		
Series			M30								
Switching Distance Sn (mm)			Standard: 10.0, Extended: 16.0, Long: 22.0				Standard: 15.0, Extended: 25.0, Long: 40.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCM1-3010C-A2S2 FCM1-3010C-B2S2		FCM1-3010C-ARS4 FCM1-3010C-BRS4		FCM2-3015C-A2S2 FCM2-3015C-B2S2		FCM2-3015C-ARS4 FCM2-3015C-BRS4	
		NPN 10~30V	N.O. N.C.	FCM1-3010N-A3S2 FCM1-3010N-B3S2		FCM1-3010N-ARS4 FCM1-3010N-BRS4		FCM2-3015N-A3S2 FCM2-3015N-B3S2		FCM2-3015N-ARS4 FCM2-3015N-BRS4	
		PNP 10~30V	N.O. N.C.	FCM1-3010P-A3S2 FCM1-3010P-B3S2		FCM1-3010P-ARS4 FCM1-3010P-BRS4		FCM2-3015P-A3S2 FCM2-3015P-B3S2		FCM2-3015P-ARS4 FCM2-3015P-BRS4	
	DC 3-wire	NPN 5~36V	N.O. N.C.	ICM1-3010N-A3S2 ICM1-3010N-B3S2		ICM1-3010N-ARS4 ICM1-3010N-BRS4		ICM2-3015N-A3S2 ICM2-3015N-B3S2		ICM2-3015N-ARS4 ICM2-3015N-BRS4	
		PNP 5~36V	N.O. N.C.	ICM1-3010P-A3S2 ICM1-3010P-B3S2		ICM1-3010P-ARS4 ICM1-3010P-BRS4		ICM2-3015P-A3S2 ICM2-3015P-B3S2		ICM2-3015P-ARS4 ICM2-3015P-BRS4	
		NPN 10~55V	N.O. N.C.	HCM1-3010N-A3S2 HCM1-3010N-B3S2		HCM1-3010N-ARS4 HCM1-3010N-BRS4		HCM2-3015N-A3S2 HCM2-3015N-B3S2		HCM2-3015N-ARS4 HCM2-3015N-BRS4	
		PNP 10~55V	N.O. N.C.	HCM1-3010P-A3S2 HCM1-3010P-B3S2		HCM1-3010P-ARS4 HCM1-3010P-BRS4		HCM2-3015P-A3S2 HCM2-3015P-B3S2		HCM2-3015P-ARS4 HCM2-3015P-BRS4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-3010N-S4S2 FCM1-3010P-S4S2		FCM1-3010N-SRS4 FCM1-3010P-SRS4		FCM2-3015N-S4S2 FCM2-3015P-S4S2		FCM2-3015N-SRS4 FCM2-3015P-SRS4	
		5~36V N.O./N.C.	NPN PNP	ICM1-3010N-S4S2 ICM1-3010P-S4S2		ICM1-3010N-SRS4 ICM1-3010P-SRS4		ICM2-3015N-S4S2 ICM2-3015P-S4S2		ICM2-3015N-SRS4 ICM2-3015P-SRS4	
	Extended	DC 2-wire	10~60V	N.O. N.C.	ECM1-3016C-A2S2 ECM1-3016C-B2S2		ECM1-3016C-ARS4 ECM1-3016C-BRS4		ECM2-3025C-A2S2 ECM2-3025C-B2S2		ECM2-3025C-ARS4 ECM2-3025C-BRS4
NPN 10~30V			N.O. N.C.	ECM1-3016N-A3S2 ECM1-3016N-B3S2		ECM1-3016N-ARS4 ECM1-3016N-BRS4		ECM2-3025N-A3S2 ECM2-3025N-B3S2		ECM2-3025N-ARS4 ECM2-3025N-BRS4	
DC 3-wire		PNP 10~30V	N.O. N.C.	ECM1-3016P-A3S2 ECM1-3016P-B3S2		ECM1-3016P-ARS4 ECM1-3016P-BRS4		ECM2-3025P-A3S2 ECM2-3025P-B3S2		ECM2-3025P-ARS4 ECM2-3025P-BRS4	
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECM1-3016N-S4S2 ECM1-3016P-S4S2		ECM1-3016N-SRS4 ECM1-3016P-SRS4		ECM2-3025N-S4S2 ECM2-3025P-S4S2		ECM2-3025N-SRS4 ECM2-3025P-SRS4
Long	DC 2-wire	10~60V	N.O. N.C.	LCM1-3022C-A2S2 LCM1-3022C-B2S2		LCM1-3022C-ARS4 LCM1-3022C-BRS4		LCM2-3040C-A2S2 LCM2-3040C-B2S2		LCM2-3040C-ARS4 LCM2-3040C-BRS4	
		NPN 10~30V	N.O. N.C.	LCM1-3022N-A3S2 LCM1-3022N-B3S2		LCM1-3022N-ARS4 LCM1-3022N-BRS4		LCM2-3040N-A3S2 LCM2-3040N-B3S2		LCM2-3040N-ARS4 LCM2-3040N-BRS4	
	DC 3-wire	PNP 10~30V	N.O. N.C.	LCM1-3022P-A3S2 LCM1-3022P-B3S2		LCM1-3022P-ARS4 LCM1-3022P-BRS4		LCM2-3040P-A3S2 LCM2-3040P-B3S2		LCM2-3040P-ARS4 LCM2-3040P-BRS4	
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	LCM1-3022N-S4S2 LCM1-3022P-S4S2		LCM1-3022N-SRS4 LCM1-3022P-SRS4		LCM2-3040N-S4S2 LCM2-3040P-S4S2		LCM2-3040N-SRS4 LCM2-3040P-SRS4

Cylindrical Metal Barrel



M30 x 55

M30 x 78

M30 x 81

Connection			M30 x 55 2 m Cable	M30 x 78 M12 Connector	M30 x 81 7/8"-16UN-2A
Series			M30		
Switching Distance Sn (mm)			Standard: 10.0		
DC 2-wire	10~60V	N.O. N.C.	FCM1-3010C-A2U2 FCM1-3010C-B2U2	FCM1-3010C-ARU4 FCM1-3010C-BRU4	FCM1-3010C-AZU4 FCM1-3010C-BZU4
	10~60V	N.O./N.C.	FCM1-3010C-S2U2	FCM1-3010C-SRU4	FCM1-3010C-SZU4
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-3010N-A3U2 FCM1-3010N-B3U2	FCM1-3010N-ARU4 FCM1-3010N-BRU4	FCM1-3010N-AZU4 FCM1-3010N-BZU4
	PNP 10~30V	N.O. N.C.	FCM1-3010P-A3U2 FCM1-3010P-B3U2	FCM1-3010P-ARU4 FCM1-3010P-BRU4	FCM1-3010P-AZU4 FCM1-3010P-BZU4
	NPN 5~36V	N.O. N.C.	ICM1-3010N-A3U2 ICM1-3010N-B3U2	ICM1-3010N-ARU4 ICM1-3010N-BRU4	ICM1-3010N-AZU4 ICM1-3010N-BZU4
	PNP 5~36V	N.O. N.C.	ICM1-3010P-A3U2 ICM1-3010P-B3U2	ICM1-3010P-ARU4 ICM1-3010P-BRU4	ICM1-3010P-AZU4 ICM1-3010P-BZU4
	NPN 10~55V	N.O. N.C.	HCM1-3010N-A3U2 HCM1-3010N-B3U2	HCM1-3010N-ARU4 HCM1-3010N-BRU4	HCM1-3010N-AZU4 HCM1-3010N-BZU4
	PNP 10~55V	N.O. N.C.	HCM1-3010P-A3U2 HCM1-3010P-B3U2	HCM1-3010P-ARU4 HCM1-3010P-BRU4	HCM1-3010P-AZU4 HCM1-3010P-BZU4
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-3010N-S4U2 FCM1-3010P-S4U2	FCM1-3010N-SRU4 FCM1-3010P-SRU4	FCM1-3010N-SZU4 FCM1-3010P-SZU4
	NPN/PNP 10~30V	N.O./N.C.	FCM1-3010D-S4U2	FCM1-3010D-SRU4	FCM1-3010D-SZU4
	5~36V N.O./N.C.	NPN PNP	ICM1-3010N-S4U2 ICM1-3010P-S4U2	ICM1-3010N-SRU4 ICM1-3010P-SRU4	ICM1-3010N-SZU4 ICM1-3010P-SZU4
AC 3-wire	20~250V	N.O. N.C.	FCM1-3010A-A3L2 FCM1-3010A-B3L2	FCM1-3010A-AUL3 FCM1-3010A-BUL3	FCM1-3010A-AZL3 FCM1-3010A-BZL3
AC 5-wire	20~250V	N.O./N.C.	FCM1-3010A-C5L2	FCM1-3010A-CUL5	FCM1-3010A-CZL5
AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-3010U-A3L2 FCM1-3010U-B3L2	FCM1-3010U-AUL3 FCM1-3010U-BUL3	FCM1-3010U-AZL3 FCM1-3010U-BZL3
NAMUR	6~12V		FCM1-3010NU		

Cylindrical Metal Barrel



M30 x 55

M30 x 78

M30 x 81

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M30		
Switching Distance Sn (mm)			Extended: 16.0, Long: 22.0		
Extended	DC 2-wire	10~60V N.O. N.C.	ECM1-3016C-A2U2 ECM1-3016C-B2U2	ECM1-3016C-ARU4 ECM1-3016C-BRU4	ECM1-3016C-AZU4 ECM1-3016C-BZU4
		10~60V N.O./N.C.	ECM1-3016C-S2U2	ECM1-3016C-SRU4	ECM1-3016C-SZU4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECM1-3016N-A3U2 ECM1-3016N-B3U2	ECM1-3016N-ARU4 ECM1-3016N-BRU4	ECM1-3016N-AZU4 ECM1-3016N-BZU4
		PNP 10~30V N.O. N.C.	ECM1-3016P-A3U2 ECM1-3016P-B3U2	ECM1-3016P-ARU4 ECM1-3016P-BRU4	ECM1-3016P-AZU4 ECM1-3016P-BZU4
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECM1-3016N-S4U2 ECM1-3016P-S4U2	ECM1-3016N-SRU4 ECM1-3016P-SRU4	ECM1-3016N-SZU4 ECM1-3016P-SZU4
		NPN/PNP 10~30V N.O./N.C.	ECM1-3016D-S4U2	ECM1-3016D-SRU4	ECM1-3016D-SZU4
	AC 3-wire	20~250V N.O. N.C.	ECM1-3016A-A3L2 ECM1-3016A-B3L2	ECM1-3016A-AUL3 ECM1-3016A-BUL3	ECM1-3016A-AZL3 ECM1-3016A-BZL3
	AC/DC 3-wire	20~250V N.O. N.C.	ECM1-3015U-A3L2 ECM1-3015U-B3L2	ECM1-3015U-AUL3 ECM1-3015U-BUL3	ECM1-3015U-AZL3 ECM1-3015U-BZL3
	Long	DC 2-wire 10~60V N.O. N.C.	LCM1-3022C-A2U2 LCM1-3022C-B2U2	LCM1-3022C-ARU4 LCM1-3022C-BRU4	LCM1-3022C-AZU4 LCM1-3022C-BZU4
		NPN 10~30V N.O. N.C.	LCM1-3022N-A3U2 LCM1-3022N-B3U2	LCM1-3022N-ARU4 LCM1-3022N-BRU4	LCM1-3022N-AZU4 LCM1-3022N-BZU4
		PNP 10~30V N.O. N.C.	LCM1-3022P-A3U2 LCM1-3022P-B3U2	LCM1-3022P-ARU4 LCM1-3022P-BRU4	LCM1-3022P-AZU4 LCM1-3022P-BZU4
		DC 4-wire 10~30V N.O./N.C. NPN PNP	LCM1-3022N-S4U2 LCM1-3022P-S4U2	LCM1-3022N-SRU4 LCM1-3022P-SRU4	LCM1-3022N-SZU4 LCM1-3022P-SZU4
		AC/DC 3-wire 20~250V N.O. N.C.	LCM1-3022U-A3L2 LCM1-3022U-B3L2	LCM1-3022U-AUL3 LCM1-3022U-BUL3	LCM1-3022U-AZL3 LCM1-3022U-BZL3

Cylindrical Metal Barrel



M30 x 55

M30 x 78

M30 x 81

Connection			M30 x 55	M30 x 78	M30 x 81
			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M30		
Switching Distance Sn (mm)			Standard: 15.0		
DC 2-wire	10~60V	N.O. N.C.	FCM2-3015C-A2U2 FCM2-3015C-B2U2	FCM2-3015C-ARU4 FCM2-3015C-BRU4	FCM2-3015C-AZU4 FCM2-3015C-BZU4
	10~60V	N.O./N.C.	FCM2-3015C-S2U2	FCM2-3015C-SRU4	FCM2-3015C-SZU4
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-3015N-A3U2 FCM2-3015N-B3U2	FCM2-3015N-ARU4 FCM2-3015N-BRU4	FCM2-3015N-AZU4 FCM2-3015N-BZU4
	PNP 10~30V	N.O. N.C.	FCM2-3015P-A3U2 FCM2-3015P-B3U2	FCM2-3015P-ARU4 FCM2-3015P-BRU4	FCM2-3015P-AZU4 FCM2-3015P-BZU4
	NPN 5~36V	N.O. N.C.	ICM2-3015N-A3U2 ICM2-3015N-B3U2	ICM2-3015N-ARU4 ICM2-3015N-BRU4	ICM2-3015N-AZU4 ICM2-3015N-BZU4
	PNP 5~36V	N.O. N.C.	ICM2-3015P-A3U2 ICM2-3015P-B3U2	ICM2-3015P-ARU4 ICM2-3015P-BRU4	ICM2-3015P-AZU4 ICM2-3015P-BZU4
	NPN 10~55V	N.O. N.C.	HCM2-3015N-A3U2 HCM2-3015N-B3U2	HCM2-3015N-ARU4 HCM2-3015N-BRU4	HCM2-3015N-AZU4 HCM2-3015N-BZU4
	PNP 10~55V	N.O. N.C.	HCM2-3015P-A3U2 HCM2-3015P-B3U2	HCM2-3015P-ARU4 HCM2-3015P-BRU4	HCM2-3015P-AZU4 HCM2-3015P-BZU4
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM2-3015N-S4U2 FCM2-3015P-S4U2	FCM2-3015N-SRU4 FCM2-3015P-SRU4	FCM2-3015N-SZU4 FCM2-3015P-SZU4
	NPN/PNP 10~30V	N.O./N.C.	FCM2-3015D-S4U2	FCM2-3015D-SRU4	FCM2-3015D-SZU4
	5~36V N.O./N.C.	NPN PNP	ICM2-3015N-S4U2 ICM2-3015P-S4U2	ICM2-3015N-SRU4 ICM2-3015P-SRU4	ICM2-3015N-SZU4 ICM2-3015P-SZU4
AC 3-wire	20~250V	N.O. N.C.	FCM2-3015A-A3L2 FCM2-3015A-B3L2	FCM2-3015A-AUL3 FCM2-3015A-BUL3	FCM2-3015A-AZL3 FCM2-3015A-BZL3
AC 5-wire	20~250V	N.O./N.C.	FCM2-3015A-C5L2	FCM2-3015A-CUL5	FCM2-3015A-CZL5
AC/DC 3-wire	20~250V	N.O. N.C.	FCM2-3015U-A3L2 FCM2-3015U-B3L2	FCM2-3015U-AUL3 FCM2-3015U-BUL3	FCM2-3015U-AZL3 FCM2-3015U-BZL3
NAMUR	6~12V		FCM2-3015NU		

Cylindrical Metal Barrel



M30 x 55

M30 x 78

M30 x 81

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M30		
Switching Distance Sn (mm)			Extended: 25.0, Long: 40.0, Long+: 50.0		
Extended	DC 2-wire	10~60V N.O. N.C.	ECM2-3025C-A2U2 ECM2-3025C-B2U2	ECM2-3025C-ARU4 ECM2-3025C-BRU4	ECM2-3025C-AZU4 ECM2-3025C-BZU4
		10~60V N.O./N.C.	ECM2-3025C-S2U2	ECM2-3025C-SRU4	ECM2-3025C-SZU4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECM2-3025N-A3U2 ECM2-3025N-B3U2	ECM2-3025N-ARU4 ECM2-3025N-BRU4	ECM2-3025N-AZU4 ECM2-3025N-BZU4
		PNP 10~30V N.O. N.C.	ECM2-3025P-A3U2 ECM2-3025P-B3U2	ECM2-3025P-ARU4 ECM2-3025P-BRU4	ECM2-3025P-AZU4 ECM2-3025P-BZU4
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECM2-3025N-S4U2 ECM2-3025P-S4U2	ECM2-3025N-SRU4 ECM2-3025P-SRU4	ECM2-3025N-SZU4 ECM2-3025P-SZU4
		NPN/PNP 10~30V N.O./N.C.	ECM2-3025D-S4U2	ECM2-3025D-SRU4	ECM2-3025D-SZU4
	AC 3-wire 20~250V	N.O. N.C.	ECM2-3025A-A3L2 ECM2-3025A-B3L2	ECM2-3025A-AUL3 ECM2-3025A-BUL3	ECM2-3025A-AZL3 ECM2-3025A-BZL3
	AC/DC 3-wire 20~250V	N.O. N.C.	ECM2-3025U-A3L2 ECM2-3025U-B3L2	ECM2-3025U-AUL3 ECM2-3025U-BUL3	ECM2-3025U-AZL3 ECM2-3025U-BZL3
	Long	DC 2-wire 10~60V N.O. N.C.	LCM2-3040C-A2U2 LCM2-3040C-B2U2	LCM2-3040C-ARU4 LCM2-3040C-BRU4	LCM2-3040C-AZU4 LCM2-3040C-BZU4
		NPN 10~30V N.O. N.C.	LCM2-3040N-A3U2 LCM2-3040N-B3U2	LCM2-3040N-ARU4 LCM2-3040N-BRU4	LCM2-3040N-AZU4 LCM2-3040N-BZU4
		PNP 10~30V N.O. N.C.	LCM2-3040P-A3U2 LCM2-3040P-B3U2	LCM2-3040P-ARU4 LCM2-3040P-BRU4	LCM2-3040P-AZU4 LCM2-3040P-BZU4
		DC 4-wire 10~30V N.O./N.C. NPN PNP	LCM2-3040N-S4U2 LCM2-3040P-S4U2	LCM2-3040N-SRU4 LCM2-3040P-SRU4	LCM2-3040N-SZU4 LCM2-3040P-SZU4
Long +	AC/DC 3-wire 20~250V	N.O. N.C.	LCM2-3040U-A3L2 LCM2-3040U-B3L2	LCM2-3040U-AUL3 LCM2-3040U-BUL3	LCM2-3040U-AZL3 LCM2-3040U-BZL3
	DC 3-wire	NPN 10~30V N.O. N.C.	LCM2-3050N-A3U2 LCM2-3050N-B3U2	LCM2-3050N-ARU4 LCM2-3050N-BRU4	LCM2-3050N-AZU4 LCM2-3050N-BZU4
		PNP 10~30V N.O. N.C.	LCM2-3050P-A3U2 LCM2-3050P-B3U2	LCM2-3050P-ARU4 LCM2-3050P-BRU4	LCM2-3050P-AZU4 LCM2-3050P-BZU4

Cylindrical Metal Barrel



M30 x 96



M30 x 96



M48 x 100



M48 x 100

Connection			7/8"-16UN-2A		2 m Cable	M12 Connector
Series			M30 (Y shape)		M48	
Switching Distance Sn (mm)			Standard: 10.0		Standard: 15.0	
DC 2-wire	10~60V	N.O. N.C.	FCM1-3010C-AZU4Y FCM1-3010C-BZU4Y	FCM2-3015C-AZU4Y FCM2-3015C-BZU4Y	FCM1-4820C-A2U2 FCM1-4820C-B2U2	FCM1-4820C-ARU4 FCM1-4820C-BRU4
	10~60V	N.O./N.C.	FCM1-3010C-SZU4Y	FCM2-3015C-SZU4Y	FCM1-4820C-S2U2	FCM1-4820C-SRU4
DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-3010N-AZU4Y FCM1-3010N-BZU4Y	FCM2-3015N-AZU4Y FCM2-3015N-BZU4Y	FCM1-4820N-A3U2 FCM1-4820N-B3U2	FCM1-4820N-ARU4 FCM1-4820N-BRU4
	PNP 10~30V	N.O. N.C.	FCM1-3010P-AZU4Y FCM1-3010P-BZU4Y	FCM2-3015P-AZU4Y FCM2-3015P-BZU4Y	FCM1-4820P-A3U2 FCM1-4820P-B3U2	FCM1-4820P-ARU4 FCM1-4820P-BRU4
	NPN 5~36V	N.O. N.C.	ICM1-3010N-AZU4Y ICM1-3010N-BZU4Y	ICM2-3015N-AZU4Y ICM2-3015N-BZU4Y	ICM1-4820N-A3U2 ICM1-4820N-B3U2	ICM1-4820N-ARU4 ICM1-4820N-BRU4
	PNP 5~36V	N.O. N.C.	ICM1-3010P-AZU4Y ICM1-3010P-BZU4Y	ICM2-3015P-AZU4Y ICM2-3015P-BZU4Y	ICM1-4820P-A3U2 ICM1-4820P-B3U2	ICM1-4820P-ARU4 ICM1-4820P-BRU4
	NPN 10~55V	N.O. N.C.	HCM1-3010N-AZU4Y HCM1-3010N-BZU4Y	HCM2-3015N-AZU4Y HCM2-3015N-BZU4Y	HCM1-4820N-A3U2 HCM1-4820N-B3U2	HCM1-4820N-ARU4 HCM1-4820N-BRU4
	PNP 10~55V	N.O. N.C.	HCM1-3010P-AZU4Y HCM1-3010P-BZU4Y	HCM2-3015P-AZU4Y HCM2-3015P-BZU4Y	HCM1-4820P-A3U2 HCM1-4820P-B3U2	HCM1-4820P-ARU4 HCM1-4820P-BRU4
DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCM1-3010N-SZU4Y FCM1-3010P-SZU4Y	FCM2-3015N-SZU4Y FCM2-3015P-SZU4Y	FCM1-4820N-S4U2 FCM1-4820P-S4U2	FCM1-4820N-SRU4 FCM1-4820P-SRU4
	NPN/PNP 10~30V	N.O./N.C.	FCM1-3010D-SZU4Y	FCM2-3015D-SZU4Y	FCM1-4820D-S4U2	FCM1-4820D-SRU4
	5~36V N.O./N.C.	NPN PNP	ICM1-3010N-SZU4Y ICM1-3010P-SZU4Y	ICM2-3015N-SZU4Y ICM2-3015P-SZU4Y	ICM1-4820N-S4U2 ICM1-4820P-S4U2	ICM1-4820N-SRU4 ICM1-4820P-SRU4
AC 3-wire	20~250V	N.O. N.C.	FCM1-3010A-AZL3Y FCM1-3010A-BZL3Y	FCM2-3015A-AZL3Y FCM2-3015A-BZL3Y	FCM1-4820A-A3L2 FCM1-4820A-B3L2	FCM1-4820A-AUL3 FCM1-4820A-BUL3
AC 5-wire	20~250V	N.O./N.C.	FCM1-3010A-CZL5Y	FCM2-3015A-CZL5Y	FCM1-4820A-C5L2	FCM1-4820A-CUL5
AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-3010U-AZL3Y FCM1-3010U-BZL3Y	FCM2-3015U-AZL3Y FCM2-3015U-BZL3Y	FCM1-4820U-A3L2 FCM1-4820U-B3L2	FCM1-4820U-AUL3 FCM1-4820U-BUL3

Cuboid Metal Housing



8 x 8 x 16

8 x 8 x 28

8 x 8 x 30

Connection			2 m Cable	M8 Connector	2 m Cable
Series			Q8		
Switching Distance Sn (mm)			Standard: 1.0 - 1.5, Extended: 2.0, Long: 3.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FQM1-8801N-A3R2T FQM1-8801N-B3R2T	FQM1-8801N-ACR3T FQM1-8801N-BCR3T	FQM1-881.5N-A3S2T FQM1-881.5N-B3S2T
		PNP 10~30V N.O. N.C.	FQM1-8801P-A3R2T FQM1-8801P-B3R2T	FQM1-8801P-ACR3T FQM1-8801P-BCR3T	FQM1-881.5P-A3S2T FQM1-881.5P-B3S2T
		NPN 5~36V N.O. N.C.			IQM1-881.5N-A3S2T IQM1-881.5N-B3S2T
		PNP 5~36V N.O. N.C.			IQM1-881.5P-A3S2T IQM1-881.5P-B3S2T
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	EQM1-8802N-A3R2T EQM1-8802N-B3R2T	EQM1-8802N-ACR3T EQM1-8802N-BCR3T	EQM1-8802N-A3S2T EQM1-8802N-B3S2T
		PNP 10~30V N.O. N.C.	EQM1-8802P-A3R2T EQM1-8802P-B3R2T	EQM1-8802P-ACR3T EQM1-8802P-BCR3T	EQM1-8802P-A3S2T EQM1-8802P-B3S2T
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LQM1-8803N-A3R2T LQM1-8803N-B3R2T	LQM1-8803N-ACR3T LQM1-8803N-BCR3T	LQM1-8803N-A3S2T LQM1-8803N-B3S2T
		PNP 10~30V N.O. N.C.	LQM1-8803P-A3R2T LQM1-8803P-B3R2T	LQM1-8803P-ACR3T LQM1-8803P-BCR3T	LQM1-8803P-A3S2T LQM1-8803P-B3S2T

Cuboid Metal Housing



8 x 8 x 40



8 x 8 x 40



8 x 8 x 60

Connection			M8 Connector		2 m Cable		M8 Connector		
Series			Q8						
Switching Distance Sn (mm)			Standard: 1.5, Extended: 2.0, Long: 3.0						
Standard	DC 2-wire 10~60V		N.O. N.C.			FQM1-881.5C-A2U2T FQM1-881.5C-B2U2T		FQM1-881.5C-ACU3T FQM1-881.5C-BCU3T	
	NPN 10~30V	N.O. N.C.	FQM1-881.5N-ACS3T FQM1-881.5N-BCS3T		FQM1-881.5N-A3U2T FQM1-881.5N-B3U2T		FQM1-881.5N-ACU3T FQM1-881.5N-BCU3T		
		PNP 10~30V	N.O. N.C.	FQM1-881.5P-ACS3T FQM1-881.5P-BCS3T		FQM1-881.5P-A3U2T FQM1-881.5P-B3U2T		FQM1-881.5P-ACU3T FQM1-881.5P-BCU3T	
	DC 3-wire	NPN 5~36V	N.O. N.C.	IQM1-881.5N-ACS3T IQM1-881.5N-BCS3T		IQM1-881.5N-A3U2T IQM1-881.5N-B3U2T		IQM1-881.5N-ACU3T IQM1-881.5N-BCU3T	
		PNP 5~36V	N.O. N.C.	IQM1-881.5P-ACS3T IQM1-881.5P-BCS3T		IQM1-881.5P-A3U2T IQM1-881.5P-B3U2T		IQM1-881.5P-ACU3T IQM1-881.5P-BCU3T	
	Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	EQM1-8802N-ACS3T EQM1-8802N-BCS3T		EQM1-8802N-A3U2T EQM1-8802N-B3U2T		EQM1-8802N-ACU3T EQM1-8802N-BCU3T
PNP 10~30V			N.O. N.C.	EQM1-8802P-ACS3T EQM1-8802P-BCS3T		EQM1-8802P-A3U2T EQM1-8802P-B3U2T		EQM1-8802P-ACU3T EQM1-8802P-BCU3T	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LQM1-8803N-ACS3T LQM1-8803N-BCS3T		LQM1-8803N-A3U2T LQM1-8803N-B3U2T		LQM1-8803N-ACU3T LQM1-8803N-BCU3T	
		PNP 10~30V	N.O. N.C.	LQM1-8803P-ACS3T LQM1-8803P-BCS3T		LQM1-8803P-A3U2T LQM1-8803P-B3U2T		LQM1-8803P-ACU3T LQM1-8803P-BCU3T	

Cuboid Metal Housing



12 x 12 x 50



12 x 12 x 60



12 x 12 x 50



12 x 12 x 60

Connection			2 m Cable	M8 Connector	2 m Cable	M8 Connector	
Series			Q12				
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0, Long: 6.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQM1-1202C-A2U2T FQM1-1202C-B2U2T	FQM1-1202C-ACU3T FQM1-1202C-BCU3T	FQM1-1202C-A2U2M FQM1-1202C-B2U2M	FQM1-1202C-ACU3M FQM1-1202C-BCU3M
		NPN 10~30V	N.O. N.C.	FQM1-1202N-A3U2T FQM1-1202N-B3U2T	FQM1-1202N-ACU3T FQM1-1202N-BCU3T	FQM1-1202N-A3U2M FQM1-1202N-B3U2M	FQM1-1202N-ACU3M FQM1-1202N-BCU3M
	PNP 10~30V	N.O. N.C.	FQM1-1202P-A3U2T FQM1-1202P-B3U2T	FQM1-1202P-ACU3T FQM1-1202P-BCU3T	FQM1-1202P-A3U2M FQM1-1202P-B3U2M	FQM1-1202P-ACU3M FQM1-1202P-BCU3M	
		NPN 5~36V	N.O. N.C.	IQM1-1202N-A3U2T IQM1-1202N-B3U2T	IQM1-1202N-ACU3T IQM1-1202N-BCU3T	IQM1-1202N-A3U2M IQM1-1202N-B3U2M	IQM1-1202N-ACU3M IQM1-1202N-BCU3M
	PNP 5~36V	N.O. N.C.	IQM1-1202P-A3U2T IQM1-1202P-B3U2T	IQM1-1202P-ACU3T IQM1-1202P-BCU3T	IQM1-1202P-A3U2M IQM1-1202P-B3U2M	IQM1-1202P-ACU3M IQM1-1202P-BCU3M	
		NPN 10~55V	N.O. N.C.	HQM1-1202N-A3U2T HQM1-1202N-B3U2T	HQM1-1202N-ACU3T HQM1-1202N-BCU3T	HQM1-1202N-A3U2M HQM1-1202N-B3U2M	HQM1-1202N-ACU3M HQM1-1202N-BCU3M
	PNP 10~55V	N.O. N.C.	HQM1-1202P-A3U2T HQM1-1202P-B3U2T	HQM1-1202P-ACU3T HQM1-1202P-BCU3T	HQM1-1202P-A3U2M HQM1-1202P-B3U2M	HQM1-1202P-ACU3M HQM1-1202P-BCU3M	
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQM1-1202N-S4U2T FQM1-1202P-S4U2T	FQM1-1202N-SCU4T FQM1-1202P-SCU4T	FQM1-1202N-S4U2M FQM1-1202P-S4U2M
	5~36V N.O./N.C.		NPN PNP	IQM1-1202N-S4U2T IQM1-1202P-S4U2T	IQM1-1202N-SCU4T IQM1-1202P-SCU4T	IQM1-1202N-S4U2M IQM1-1202P-S4U2M	IQM1-1202N-SCU4M IQM1-1202P-SCU4M
	NAMUR 6~12V			FQM1-1202NUT		FQM1-1202NUM	
Extended	DC 2-wire	10~60V	N.O. N.C.	EQM1-1204C-A2U2T EQM1-1204C-B2U2T	EQM1-1204C-ACU3T EQM1-1204C-BCU3T	EQM1-1204C-A2U2M EQM1-1204C-B2U2M	EQM1-1204C-ACU3M EQM1-1204C-BCU3M
		NPN 10~30V	N.O. N.C.	EQM1-1204N-A3U2T EQM1-1204N-B3U2T	EQM1-1204N-ACU3T EQM1-1204N-BCU3T	EQM1-1204N-A3U2M EQM1-1204N-B3U2M	EQM1-1204N-ACU3M EQM1-1204N-BCU3M
	PNP 10~30V	N.O. N.C.	EQM1-1204P-A3U2T EQM1-1204P-B3U2T	EQM1-1204P-ACU3T EQM1-1204P-BCU3T	EQM1-1204P-A3U2M EQM1-1204P-B3U2M	EQM1-1204P-ACU3M EQM1-1204P-BCU3M	
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	EQM1-1204N-S4U2T EQM1-1204P-S4U2T	EQM1-1204N-SCU4T EQM1-1204P-SCU4T	EQM1-1204N-S4U2M EQM1-1204P-S4U2M
	NAMUR 6~12V			EQM1-1204NUT		EQM1-1204NUM	
Long	DC 2-wire	10~60V	N.O. N.C.	LQM1-1206C-A2U2T LQM1-1206C-B2U2T	LQM1-1206C-ACU3T LQM1-1206C-BCU3T	LQM1-1206C-A2U2M LQM1-1206C-B2U2M	LQM1-1206C-ACU3M LQM1-1206C-BCU3M
		NPN 10~30V	N.O. N.C.	LQM1-1206N-A3U2T LQM1-1206N-B3U2T	LQM1-1206N-ACU3T LQM1-1206N-BCU3T	LQM1-1206N-A3U2M LQM1-1206N-B3U2M	LQM1-1206N-ACU3M LQM1-1206N-BCU3M
	PNP 10~30V	N.O. N.C.	LQM1-1206P-A3U2T LQM1-1206P-B3U2T	LQM1-1206P-ACU3T LQM1-1206P-BCU3T	LQM1-1206P-A3U2M LQM1-1206P-B3U2M	LQM1-1206P-ACU3M LQM1-1206P-BCU3M	
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	LQM1-1206N-S4U2T LQM1-1206P-S4U2T	LQM1-1206N-SCU4T LQM1-1206P-SCU4T	LQM1-1206N-S4U2M LQM1-1206P-S4U2M
	NAMUR 6~12V			LQM1-1206NUT		LQM1-1206NUM	

Cuboid Metal Housing



16 x 28 x 10



16 x 28 x 10



16 x 28 x 10



16 x 28 x 10

Connection			2 m Cable		M8 Connector		2 m Cable		M8 Connector		
Series			Q16								
Switching Distance Sn (mm)			Standard: 1.0, Extended: 2.0, Long: 3.0				Standard: 2.0, Extended: 4.0, Long: 6.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQM1-2801C-A2U2 FQM1-2801C-B2U2		FQM1-2801C-ACU3 FQM1-2801C-BCU3		FQM2-2802C-A2U2 FQM2-2802C-B2U2		FQM2-2802C-ACU3 FQM2-2802C-BCU3	
		NPN 10~30V	N.O. N.C.	FQM1-2801N-A3U2 FQM1-2801N-B3U2		FQM1-2801N-ACU3 FQM1-2801N-BCU3		FQM2-2802N-A3U2 FQM2-2802N-B3U2		FQM2-2802N-ACU3 FQM2-2802N-BCU3	
	DC 3-wire	PNP 10~30V	N.O. N.C.	FQM1-2801P-A3U2 FQM1-2801P-B3U2		FQM1-2801P-ACU3 FQM1-2801P-BCU3		FQM2-2802P-A3U2 FQM2-2802P-B3U2		FQM2-2802P-ACU3 FQM2-2802P-BCU3	
		NPN 5~36V	N.O. N.C.	IQM1-2801N-A3U2 IQM1-2801N-B3U2		IQM1-2801N-ACU3 IQM1-2801N-BCU3		IQM2-2802N-A3U2 IQM2-2802N-B3U2		IQM2-2802N-ACU3 IQM2-2802N-BCU3	
		PNP 5~36V	N.O. N.C.	IQM1-2801P-A3U2 IQM1-2801P-B3U2		IQM1-2801P-ACU3 IQM1-2801P-BCU3		IQM2-2802P-A3U2 IQM2-2802P-B3U2		IQM2-2802P-ACU3 IQM2-2802P-BCU3	
Extended	DC 2-wire	10~60V	N.O. N.C.	EQM1-2802C-A2U2 EQM1-2802C-B2U2		EQM1-2802C-ACU3 EQM1-2802C-BCU3		EQM2-2804C-A2U2 EQM2-2804C-B2U2		EQM2-2804C-ACU3 EQM2-2804C-BCU3	
		NPN 10~30V	N.O. N.C.	EQM1-2802N-A3U2 EQM1-2802N-B3U2		EQM1-2802N-ACU3 EQM1-2802N-BCU3		EQM2-2804N-A3U2 EQM2-2804N-B3U2		EQM2-2804N-ACU3 EQM2-2804N-BCU3	
	DC 3-wire	PNP 10~30V	N.O. N.C.	EQM1-2802P-A3U2 EQM1-2802P-B3U2		EQM1-2802P-ACU3 EQM1-2802P-BCU3		EQM2-2804P-A3U2 EQM2-2804P-B3U2		EQM2-2804P-ACU3 EQM2-2804P-BCU3	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LQM1-2803N-A3U2 LQM1-2803N-B3U2		LQM1-2803N-ACU3 LQM1-2803N-BCU3		LQM2-2806N-A3U2 LQM2-2806N-B3U2		LQM2-2806N-ACU3 LQM2-2806N-BCU3	
		PNP 10~30V	N.O. N.C.	LQM1-2803P-A3U2 LQM1-2803P-B3U2		LQM1-2803P-ACU3 LQM1-2803P-BCU3		LQM2-2806P-A3U2 LQM2-2806P-B3U2		LQM2-2806P-ACU3 LQM2-2806P-BCU3	

Cuboid Metal Housing



20 x 32 x 10



20 x 32 x 10



25 x 50 x 10



25 x 50 x 10

Connection			2 m Cable		M8 Connector		2 m Cable		M8 Connector			
Series			Q20 x 32				Q25 x 50					
Switching Distance Sn (mm)			Standard: 5.0, Extended: 8.0									
Standard	DC 2-wire	10~60V	N.O. N.C.	FQM1-2005C-A2U2T FQM1-2005C-B2U2T		FQM1-2005C-ACU3T FQM1-2005C-BCU3T		FQM1-2505C-A2U2T FQM1-2505C-B2U2T		FQM1-2505C-ACU3T FQM1-2505C-BCU3T		
		NPN 10~30V	N.O. N.C.	FQM1-2005N-A3U2T FQM1-2005N-B3U2T		FQM1-2005N-ACU3T FQM1-2005N-BCU3T		FQM1-2505N-A3U2T FQM1-2505N-B3U2T		FQM1-2505N-ACU3T FQM1-2505N-BCU3T		
		PNP 10~30V	N.O. N.C.	FQM1-2005P-A3U2T FQM1-2005P-B3U2T		FQM1-2005P-ACU3T FQM1-2005P-BCU3T		FQM1-2505P-A3U2T FQM1-2505P-B3U2T		FQM1-2505P-ACU3T FQM1-2505P-BCU3T		
	DC 3-wire	NPN 5~36V	N.O. N.C.	IQM1-2005N-A3U2T IQM1-2005N-B3U2T		IQM1-2005N-ACU3T IQM1-2005N-BCU3T		IQM1-2505N-A3U2T IQM1-2505N-B3U2T		IQM1-2505N-ACU3T IQM1-2505N-BCU3T		
		PNP 5~36V	N.O. N.C.	IQM1-2005P-A3U2T IQM1-2005P-B3U2T		IQM1-2005P-ACU3T IQM1-2005P-BCU3T		IQM1-2505P-A3U2T IQM1-2505P-B3U2T		IQM1-2505P-ACU3T IQM1-2505P-BCU3T		
		NPN 10~55V	N.O. N.C.	HQM1-2005N-A3U2T HQM1-2005N-B3U2T		HQM1-2005N-ACU3T HQM1-2005N-BCU3T		HQM1-2505N-A3U2T HQM1-2505N-B3U2T		HQM1-2505N-ACU3T HQM1-2505N-BCU3T		
		PNP 10~55V	N.O. N.C.	HQM1-2005P-A3U2T HQM1-2005P-B3U2T		HQM1-2005P-ACU3T HQM1-2005P-BCU3T		HQM1-2505P-A3U2T HQM1-2505P-B3U2T		HQM1-2505P-ACU3T HQM1-2505P-BCU3T		
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQM1-2005N-S4U2T FQM1-2005P-S4U2T		FQM1-2005N-SCU4T FQM1-2005P-SCU4T		FQM1-2505N-S4U2T FQM1-2505P-S4U2T		FQM1-2505N-SCU4T FQM1-2505P-SCU4T		
		5~36V N.O./N.C.	NPN PNP	IQM1-2005N-S4U2T IQM1-2005P-S4U2T		IQM1-2005N-SCU4T IQM1-2005P-SCU4T		IQM1-2505N-S4U2T IQM1-2505P-S4U2T		IQM1-2505N-SCU4T IQM1-2505P-SCU4T		
	AC 3-wire 20~250V		N.O. N.C.						FQM1-2505A-A3L2T FQM1-2505A-B3L2T		FQM1-2505A-ACL3T FQM1-2505A-BCL3T	
	Extended	DC 2-wire	10~60V	N.O. N.C.	EQM1-2008C-A2U2T EQM1-2008C-B2U2T		EQM1-2008C-ACU3T EQM1-2008C-BCU3T		EQM1-2508C-A2U2T EQM1-2508C-B2U2T		EQM1-2508C-ACU3T EQM1-2508C-BCU3T	
			NPN 10~30V	N.O. N.C.	EQM1-2008N-A3U2T EQM1-2008N-B3U2T		EQM1-2008N-ACU3T EQM1-2008N-BCU3T		EQM1-2508N-A3U2T EQM1-2508N-B3U2T		EQM1-2508N-ACU3T EQM1-2508N-BCU3T	
		DC 3-wire	PNP 10~30V	N.O. N.C.	EQM1-2008P-A3U2T EQM1-2008P-B3U2T		EQM1-2008P-ACU3T EQM1-2008P-BCU3T		EQM1-2508P-A3U2T EQM1-2508P-B3U2T		EQM1-2508P-ACU3T EQM1-2508P-BCU3T	
DC 4-wire			10~30V N.O./N.C.	NPN PNP	EQM1-2008N-S4U2T EQM1-2008P-S4U2T		EQM1-2008N-SCU4T EQM1-2008P-SCU4T		EQM1-2508N-S4U2T EQM1-2508P-S4U2T		EQM1-2508N-SCU4T EQM1-2508P-SCU4T	

Cylindrical Plastic Housing



Ø20 x 80



Ø20 x 94

Connection			2 m Cable		M12 Connector		
Series			Ø20				
Switching Distance Sn (mm)			Standard: 5.0 - 10.0, Long: 20.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-D2005C-A2U2 FCP1-D2005C-B2U2	FCP2-D2010C-A2U2 FCP2-D2010C-B2U2	FCP1-D2005C-ARU4 FCP1-D2005C-BRU4	FCP2-D2010C-ARU4 FCP2-D2010C-BRU4
		10~60V	N.O./N.C.	FCP1-D2005C-S2U2	FCP2-D2010C-S2U2	FCP1-D2005C-SRU4	FCP2-D2010C-SRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-D2005N-A3U2 FCP1-D2005N-B3U2	FCP2-D2010N-A3U2 FCP2-D2010N-B3U2	FCP1-D2005N-ARU4 FCP1-D2005N-BRU4	FCP2-D2010N-ARU4 FCP2-D2010N-BRU4
		PNP 10~30V	N.O. N.C.	FCP1-D2005P-A3U2 FCP1-D2005P-B3U2	FCP2-D2010P-A3U2 FCP2-D2010P-B3U2	FCP1-D2005P-ARU4 FCP1-D2005P-BRU4	FCP2-D2010P-ARU4 FCP2-D2010P-BRU4
		NPN 5~36V	N.O. N.C.	ICP1-D2005N-A3U2 ICP1-D2005N-B3U2	ICP2-D2010N-A3U2 ICP2-D2010N-B3U2	ICP1-D2005N-ARU4 ICP1-D2005N-BRU4	ICP2-D2010N-ARU4 ICP2-D2010N-BRU4
		PNP 5~36V	N.O. N.C.	ICP1-D2005P-A3U2 ICP1-D2005P-B3U2	ICP2-D2010P-A3U2 ICP2-D2010P-B3U2	ICP1-D2005P-ARU4 ICP1-D2005P-BRU4	ICP2-D2010P-ARU4 ICP2-D2010P-BRU4
		NPN 10~55V	N.O. N.C.	HCP1-D2005N-A3U2 HCP1-D2005N-B3U2	HCP2-D2010N-A3U2 HCP2-D2010N-B3U2	HCP1-D2005N-ARU4 HCP1-D2005N-BRU4	HCP2-D2010N-ARU4 HCP2-D2010N-BRU4
		PNP 10~55V	N.O. N.C.	HCP1-D2005P-A3U2 HCP1-D2005P-B3U2	HCP2-D2010P-A3U2 HCP2-D2010P-B3U2	HCP1-D2005P-ARU4 HCP1-D2005P-BRU4	HCP2-D2010P-ARU4 HCP2-D2010P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCP1-D2005N-S4U2 FCP1-D2005P-S4U2	FCP2-D2010N-S4U2 FCP2-D2010P-S4U2	FCP1-D2005N-SRU4 FCP1-D2005P-SRU4	FCP2-D2010N-SRU4 FCP2-D2010P-SRU4
		NPN/PNP 10~30V	N.O./N.C.	FCP1-D2005D-S4U2	FCP2-D2010D-S4U2	FCP1-D2005D-SRU4	FCP2-D2010D-SRU4
		5~36V N.O./N.C.	NPN PNP	ICP1-D2005N-S4U2 ICP1-D2005P-S4U2	ICP2-D2010N-S4U2 ICP2-D2010P-S4U2	ICP1-D2005N-SRU4 ICP1-D2005P-SRU4	ICP2-D2010N-SRU4 ICP2-D2010P-SRU4
	AC 2-wire	20~250V	N.O. N.C.	FCP1-D2005A-A2L2 FCP1-D2005A-B2L2	FCP2-D2005A-A2L2 FCP2-D2005A-B2L2	FCP1-D2005A-AUL3 FCP1-D2005A-BUL3	FCP2-D2005A-AUL3 FCP2-D2005A-BUL3
	AC 4-wire	20~250V	N.O./N.C.	FCP1-D2005A-S4L2	FCP2-D2005A-S4L2	FCP1-D2005A-CUL5	FCP2-D2005A-CUL5
	AC/DC 2-wire	20~250V	N.O. N.C.	FCP1-D2005U-A2L2 FCP1-D2005U-B2L2	FCP2-D2005U-A2L2 FCP2-D2005U-B2L2	FCP1-D2005U-AUL3 FCP1-D2005U-BUL3	FCP2-D2005U-AUL3 FCP2-D2005U-BUL3
	NAMUR	6~12V		FCP1-D2005NU	FCP2-D2010NU		
Long	DC 3-wire	NPN 10~30V	N.O. N.C.		LCP2-D2020N-A3U2 LCP2-D2020N-B3U2		LCP2-D2020N-ARU4 LCP2-D2020N-BRU4
		PNP 10~30V	N.O. N.C.		LCP2-D2020P-A3U2 LCP2-D2020P-B3U2		LCP2-D2020P-ARU4 LCP2-D2020P-BRU4

Cylindrical Plastic Housing



Ø34 x 80



Ø34 x 93

Connection			2 m Cable		M12 Connector		
Series			Ø34				
Switching Distance Sn (mm)			Standard: 15.0 - 20.0, Long: 22.0 - 40.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-D3415C-A2U2 FCP1-D3415C-B2U2	FCP2-D3420C-A2U2 FCP2-D3420C-B2U2	FCP1-D3415C-ARU4 FCP1-D3415C-BRU4	FCP2-D3420C-ARU4 FCP2-D3420C-BRU4
		10~60V	N.O./N.C.	FCP1-D3415C-S2U2	FCP2-D3420C-S2U2	FCP1-D3415C-SRU4	FCP2-D3420C-SRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-D3415N-A3U2 FCP1-D3415N-B3U2	FCP2-D3420N-A3U2 FCP2-D3420N-B3U2	FCP1-D3415N-ARU4 FCP1-D3415N-BRU4	FCP2-D3420N-ARU4 FCP2-D3420N-BRU4
		PNP 10~30V	N.O. N.C.	FCP1-D3415P-A3U2 FCP1-D3415P-B3U2	FCP2-D3420P-A3U2 FCP2-D3420P-B3U2	FCP1-D3415P-ARU4 FCP1-D3415P-BRU4	FCP2-D3420P-ARU4 FCP2-D3420P-BRU4
		NPN 5~36V	N.O. N.C.	ICP1-D3415N-A3U2 ICP1-D3415N-B3U2	ICP2-D3420N-A3U2 ICP2-D3420N-B3U2	ICP1-D3415N-ARU4 ICP1-D3415N-BRU4	ICP2-D3420N-ARU4 ICP2-D3420N-BRU4
		PNP 5~36V	N.O. N.C.	ICP1-D3415P-A3U2 ICP1-D3415P-B3U2	ICP2-D3420P-A3U2 ICP2-D3420P-B3U2	ICP1-D3415P-ARU4 ICP1-D3415P-BRU4	ICP2-D3420P-ARU4 ICP2-D3420P-BRU4
		NPN 10~55V	N.O. N.C.	HCP1-D3415N-A3U2 HCP1-D3415N-B3U2	HCP2-D3420N-A3U2 HCP2-D3420N-B3U2	HCP1-D3415N-ARU4 HCP1-D3415N-BRU4	HCP2-D3420N-ARU4 HCP2-D3420N-BRU4
		PNP 10~55V	N.O. N.C.	HCP1-D3415P-A3U2 HCP1-D3415P-B3U2	HCP2-D3420P-A3U2 HCP2-D3420P-B3U2	HCP1-D3415P-ARU4 HCP1-D3415P-BRU4	HCP2-D3420P-ARU4 HCP2-D3420P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCP1-D3415N-S4U2 FCP1-D3415P-S4U2	FCP2-D3420N-S4U2 FCP2-D3420P-S4U2	FCP1-D3415N-SRU4 FCP1-D3415P-SRU4	FCP2-D3420N-SRU4 FCP2-D3420P-SRU4
		NPN/PNP 10~30V	N.O./N.C.	FCP1-D3415D-S4U2	FCP2-D3420D-S4U2	FCP1-D3415D-SRU4	FCP2-D3420D-SRU4
		5~36V N.O./N.C.	NPN PNP	ICP1-D3415N-S4U2 ICP1-D3415P-S4U2	ICP2-D3420N-S4U2 ICP2-D3420P-S4U2	ICP1-D3415N-SRU4 ICP1-D3415P-SRU4	ICP2-D3420N-SRU4 ICP2-D3420P-SRU4
	AC 2-wire	20~250V	N.O. N.C.	FCP1-D3415A-A2L2 FCP1-D3415A-B2L2	FCP2-D3420A-A2L2 FCP2-D3420A-B2L2	FCP1-D3415A-AUL3 FCP1-D3415A-BUL3	FCP2-D3420A-AUL3 FCP2-D3420A-BUL3
	AC 4-wire	20~250V	N.O./N.C.	FCP1-D3415A-S4L2	FCP2-D3420A-S4L2	FCP1-D3415A-CUL5	FCP2-D3420A-CUL5
	AC/DC 2-wire	20~250V	N.O. N.C.	FCP1-D3415U-A2L2 FCP1-D3415U-B2L2	FCP2-D3420U-A2L2 FCP2-D3420U-B2L2	FCP1-D3415U-AUL3 FCP1-D3415U-BUL3	FCP2-D3420U-AUL3 FCP2-D3420U-BUL3
	NAMUR	6~12V		FCP1-D3415NU	FCP2-D3420NU		
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCP1-D3422N-A3U2 LCP1-D3422N-B3U2	LCP2-D3440N-A3U2 LCP2-D3440N-B3U2	LCP1-D3422N-ARU4 LCP1-D3422N-BRU4	LCP2-D3440N-ARU4 LCP2-D3440N-BRU4
		PNP 10~30V	N.O. N.C.	LCP1-D3422P-A3U2 LCP1-D3422P-B3U2	LCP2-D3440P-A3U2 LCP2-D3440P-B3U2	LCP1-D3422P-ARU4 LCP1-D3422P-BRU4	LCP2-D3440P-ARU4 LCP2-D3440P-BRU4

Cylindrical Plastic Housing



Ø34 x 96

Connection		7/8"-16UN-2A Connector	
Series		Ø34	
Switching Distance Sn (mm)		Standard: 15.0 - 20.0, Long: 22.0 - 40.0	
DC 2-wire	10~60V N.O. N.C.	FCP1-D3415C-AZU4 FCP1-D3415C-BZU4	FCP2-D3420C-AZU4 FCP2-D3420C-BZU4
	10~60V N.O./N.C.	FCP1-D3415C-SZU4	FCP2-D3420C-SZU4
DC 3-wire	NPN 10~30V N.O. N.C.	FCP1-D3415N-AZU4 FCP1-D3415N-BZU4	FCP2-D3420N-AZU4 FCP2-D3420N-BZU4
	PNP 10~30V N.O. N.C.	FCP1-D3415P-AZU4 FCP1-D3415P-BZU4	FCP2-D3420P-AZU4 FCP2-D3420P-BZU4
	NPN 5~36V N.O. N.C.	ICP1-D3415N-AZU4 ICP1-D3415N-BZU4	ICP2-D3420N-AZU4 ICP2-D3420N-BZU4
	PNP 5~36V N.O. N.C.	ICP1-D3415P-AZU4 ICP1-D3415P-BZU4	ICP2-D3420P-AZU4 ICP2-D3420P-BZU4
	NPN 10~55V N.O. N.C.	HCP1-D3415N-AZU4 HCP1-D3415N-BZU4	HCP2-D3420N-AZU4 HCP2-D3420N-BZU4
	PNP 10~55V N.O. N.C.	HCP1-D3415P-AZU4 HCP1-D3415P-BZU4	HCP2-D3420P-AZU4 HCP2-D3420P-BZU4
DC 4-wire	10~30V N.O./N.C. NPN PNP	FCP1-D3415N-SZU4 FCP1-D3415P-SZU4	FCP2-D3420N-SZU4 FCP2-D3420P-SZU4
	NPN/PNP 10~30V N.O./N.C.	FCP1-D3415D-SZU4	FCP2-D3420D-SZU4
	5~36V N.O./N.C. NPN PNP	ICP1-D3415N-SZU4 ICP1-D3415P-SZU4	ICP2-D3420N-SZU4 ICP2-D3420P-SZU4
AC 2-wire	20~250V N.O. N.C.	FCP1-D3415A-AZL2 FCP1-D3415A-BZL2	FCP2-D3420A-AZL2 FCP2-D3420A-BZL2
AC 4-wire	20~250V N.O./N.C.	FCP1-D3415A-CZL5	FCP2-D3420A-CZL5
AC/DC 2-wire	20~250V N.O. N.C.	FCP1-D3415U-AZL2 FCP1-D3415U-BZL2	FCP2-D3420U-AZL2 FCP2-D3420U-BZL2
DC 3-wire	NPN 10~30V N.O. N.C.	LCP1-D3422N-AZU4 LCP1-D3422N-BZU4	LCP2-D3440N-AZU4 LCP2-D3440N-BZU4
	PNP 10~30V N.O. N.C.	LCP1-D3422P-AZU4 LCP1-D3422P-BZU4	LCP2-D3440P-AZU4 LCP2-D3440P-BZU4

Cylindrical Plastic Housing



Connection			2 m Cable		M12 Connector		2 m Cable	
Series			M12					
Switching Distance Sn (mm)			Standard: 2.0 - 4.0					
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-1202C-A2U2 FCP1-1202C-B2U2	FCP2-1204C-A2U2 FCP2-1204C-B2U2	FCP1-1202C-ARU4 FCP1-1202C-BRU4	FCP2-1204C-ARU4 FCP2-1204C-BRU4	FCP1-1202C-A2S2 FCP1-1202C-B2S2
		10~60V	N.O./N.C.	FCP1-1202C-S2U2	FCP2-1204C-S2U2	FCP1-1202C-SRU4	FCP2-1204C-SRU4	
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-1202N-A3U2 FCP1-1202N-B3U2	FCP2-1204N-A3U2 FCP2-1204N-B3U2	FCP1-1202N-ARU4 FCP1-1202N-BRU4	FCP2-1204N-ARU4 FCP2-1204N-BRU4	FCP1-1202N-A3S2 FCP1-1202N-B3S2
		PNP 10~30V	N.O. N.C.	FCP1-1202P-A3U2 FCP1-1202P-B3U2	FCP2-1204P-A3U2 FCP2-1204P-B3U2	FCP1-1202P-ARU4 FCP1-1202P-BRU4	FCP2-1204P-ARU4 FCP2-1204P-BRU4	FCP1-1202P-A3S2 FCP1-1202P-B3S2
		NPN 5~36V	N.O. N.C.	ICP1-1202N-A3U2 ICP1-1202N-B3U2	ICP2-1204N-A3U2 ICP2-1204N-B3U2	ICP1-1202N-ARU4 ICP1-1202N-BRU4	ICP2-1204N-ARU4 ICP2-1204N-BRU4	ICP1-1202N-A3S2 ICP1-1202N-B3S2
		PNP 5~36V	N.O. N.C.	ICP1-1202P-A3U2 ICP1-1202P-B3U2	ICP2-1204P-A3U2 ICP2-1204P-B3U2	ICP1-1202P-ARU4 ICP1-1202P-BRU4	ICP2-1204P-ARU4 ICP2-1204P-BRU4	ICP1-1202P-A3S2 ICP1-1202P-B3S2
		NPN 10~55V	N.O. N.C.	HCP1-1202N-A3U2 HCP1-1202N-B3U2	HCP2-1204N-A3U2 HCP2-1204N-B3U2	HCP1-1202N-ARU4 HCP1-1202N-BRU4	HCP2-1204N-ARU4 HCP2-1204N-BRU4	
		PNP 10~55V	N.O. N.C.	HCP1-1202P-A3U2 HCP1-1202P-B3U2	HCP2-1204P-A3U2 HCP2-1204P-B3U2	HCP1-1202P-ARU4 HCP1-1202P-BRU4	HCP2-1204P-ARU4 HCP2-1204P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCP1-1202N-S4U2 FCP1-1202P-S4U2	FCP2-1204N-S4U2 FCP2-1204P-S4U2	FCP1-1202N-SRU4 FCP1-1202P-SRU4	FCP2-1204N-SRU4 FCP2-1204P-SRU4	FCP1-1202N-S4S2 FCP1-1202P-S4S2
		NPN/PNP 10~30V	N.O./N.C.	FCP1-1202D-S4U2	FCP2-1204D-S4U2	FCP1-1202D-SRU4	FCP2-1204D-SRU4	
		5~36V N.O./N.C.	NPN PNP	ICP1-1202N-S4U2 ICP1-1202P-S4U2	ICP2-1204N-S4U2 ICP2-1204P-S4U2	ICP1-1202N-SRU4 ICP1-1202P-SRU4	ICP2-1204N-SRU4 ICP2-1204P-SRU4	ICP1-1202N-S4S2 ICP1-1202P-S4S2
	AC 2-wire 20~250V		N.O. N.C.	FCP1-1202A-A2L2 FCP1-1202A-B2L2	FCP2-1204A-A2L2 FCP2-1204A-B2L2	FCP1-1202A-AUL3 FCP1-1202A-BUL3	FCP2-1204A-AUL3 FCP2-1204A-BUL3	
	AC/DC 2-wire 20~250V		N.O. N.C.	FCP1-1202U-A2L2 FCP1-1202U-B2L2	FCP2-1204U-A2L2 FCP2-1204U-B2L2	FCP1-1202U-AUL3 FCP1-1202U-BUL3	FCP2-1204U-AUL3 FCP2-1204U-BUL3	
	NAMUR 6~12V			FCP1-1202NU	FCP2-1204NU			

Cylindrical Plastic Housing



M12 x 50



M12 x 67



M12 x 30

Connection			2 m Cable		M12 Connector		2 m Cable
Series			M12				
Switching Distance Sn (mm)			Extended: 4.0 - 8.0, Long: 6.0 - 10.0				
Extended	DC 2-wire	10~60V N.O. N.C.	ECP1-1204C-A2U2 ECP1-1204C-B2U2	ECP2-1208C-A2U2 ECP2-1208C-B2U2	ECP1-1204C-ARU4 ECP1-1204C-BRU4	ECP2-1208C-ARU4 ECP2-1208C-BRU4	ECP1-1204C-A2S2 ECP1-1204C-B2S2
		10~60V N.O./N.C.	ECP1-1204C-S2U2	ECP2-1208C-S2U2	ECP1-1204C-SRU4	ECP2-1208C-SRU4	
	DC 3-wire	NPN 10~30V N.O. N.C.	ECP1-1204N-A3U2 ECP1-1204N-B3U2	ECP2-1208N-A3U2 ECP2-1208N-B3U2	ECP1-1204N-ARU4 ECP1-1204N-BRU4	ECP2-1208N-ARU4 ECP2-1208N-BRU4	ECP1-1204N-A3S2 ECP1-1204N-B3S2
		PNP 10~30V N.O. N.C.	ECP1-1204P-A3U2 ECP1-1204P-B3U2	ECP2-1208P-A3U2 ECP2-1208P-B3U2	ECP1-1204P-ARU4 ECP1-1204P-BRU4	ECP2-1208P-ARU4 ECP2-1208P-BRU4	ECP1-1204P-A3S2 ECP1-1204P-B3S2
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECP1-1204N-S4U2 ECP1-1204P-S4U2	ECP2-1208N-S4U2 ECP2-1208P-S4U2	ECP1-1204N-SRU4 ECP1-1204P-SRU4	ECP2-1208N-SRU4 ECP2-1208P-SRU4	ECP1-1204N-S4S2 ECP1-1204P-S4S2
		NPN/PNP 10~30V N.O./N.C.	ECP1-1204D-S4U2	ECP2-1208D-S4U2	ECP1-1204D-SRU4	ECP2-1208D-SRU4	ECP1-1204D-S4S2
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCP1-1206N-A3U2 LCP1-1206N-B3U2	LCP2-1210N-A3U2 LCP2-1210N-B3U2	LCP1-1206N-ARU4 LCP1-1206N-BRU4	LCP2-1210N-ARU4 LCP2-1210N-BRU4	LCP1-1206N-A3S2 LCP1-1206N-B3S2
		PNP 10~30V N.O. N.C.	LCP1-1206P-A3U2 LCP1-1206P-B3U2	LCP2-1210P-A3U2 LCP2-1210P-B3U2	LCP1-1206P-ARU4 LCP1-1206P-BRU4	LCP2-1210P-ARU4 LCP2-1210P-BRU4	LCP1-1206P-A3S2 LCP1-1206P-B3S2

Cylindrical Plastic Housing



M12 x 51



M12 x 51

Connection			2 m Cable		M8 Connector		
Series			M12 (Y shape)				
Switching Distance Sn (mm)			Standard: 2.0 - 4.0, Extended: 4.0 - 8.0, Long: 6.0 - 10.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-1202C-A2U2Y FCP1-1202C-B2U2Y	FCP2-1204C-A2U2Y FCP2-1204C-B2U2Y	FCP1-1202C-ACU3Y FCP1-1202C-BCU3Y	FCP2-1204C-ACU3Y FCP2-1204C-BCU3Y
		10~60V	N.O./N.C.	FCP1-1202C-S2U2Y	FCP2-1204C-S2U2Y	FCP1-1202C-SCU3Y	FCP2-1204C-SCU3Y
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-1202N-A3U2Y FCP1-1202N-B3U2Y	FCP2-1204N-A3U2Y FCP2-1204N-B3U2Y	FCP1-1202N-ACU3Y FCP1-1202N-BCU3Y	FCP2-1204N-ACU3Y FCP2-1204N-BCU3Y
		PNP 10~30V	N.O. N.C.	FCP1-1202P-A3U2Y FCP1-1202P-B3U2Y	FCP2-1204P-A3U2Y FCP2-1204P-B3U2Y	FCP1-1202P-ACU3Y FCP1-1202P-BCU3Y	FCP2-1204P-ACU3Y FCP2-1204P-BCU3Y
		NPN 5~36V	N.O. N.C.	ICP1-1202N-A3U2Y ICP1-1202N-B3U2Y	ICP2-1204N-A3U2Y ICP2-1204N-B3U2Y	ICP1-1202N-ACU3Y ICP1-1202N-BCU3Y	ICP2-1204N-ACU3Y ICP2-1204N-BCU3Y
		PNP 5~36V	N.O. N.C.	ICP1-1202P-A3U2Y ICP1-1202P-B3U2Y	ICP2-1204P-A3U2Y ICP2-1204P-B3U2Y	ICP1-1202P-ACU3Y ICP1-1202P-BCU3Y	ICP2-1204P-ACU3Y ICP2-1204P-BCU3Y
		NPN 10~55V	N.O. N.C.	HCP1-1202N-A3U2Y HCP1-1202N-B3U2Y	HCP2-1204N-A3U2Y HCP2-1204N-B3U2Y	HCP1-1202N-ACU3Y HCP1-1202N-BCU3Y	HCP2-1204N-ACU3Y HCP2-1204N-BCU3Y
		PNP 10~55V	N.O. N.C.	HCP1-1202P-A3U2Y HCP1-1202P-B3U2Y	HCP2-1204P-A3U2Y HCP2-1204P-B3U2Y	HCP1-1202P-ACU3Y HCP1-1202P-BCU3Y	HCP2-1204P-ACU3Y HCP2-1204P-BCU3Y
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCP1-1202N-S4U2Y FCP1-1202P-S4U2Y	FCP2-1204N-S4U2Y FCP2-1204P-S4U2Y	FCP1-1202N-SCU4Y FCP1-1202P-SCU4Y	FCP2-1204N-SCU4Y FCP2-1204P-SCU4Y
		NPN/PNP 10~30V	N.O./N.C.	FCP1-1202D-S4U2Y	FCP2-1204D-S4U2Y	FCP1-1202D-SCU4Y	FCP2-1204D-SCU4Y
		5~36V N.O./N.C.	NPN PNP	ICP1-1202N-S4U2Y ICP1-1202P-S4U2Y	ICP2-1204N-S4U2Y ICP2-1204P-S4U2Y	ICP1-1202N-SCU4Y ICP1-1202P-SCU4Y	ICP2-1204N-SCU4Y ICP2-1204P-SCU4Y
	AC 2-wire 20~250V		N.O. N.C.	FCP1-1202A-A2L2Y FCP1-1202A-B2L2Y	FCP2-1204A-A2L2Y FCP2-1204A-B2L2Y		
AC/DC 2-wire 20~250V		N.O. N.C.	FCP1-1202U-A2L2Y FCP1-1202U-B2L2Y	FCP2-1204U-A2L2Y FCP2-1204U-B2L2Y			
Extended	DC 2-wire	10~60V	N.O. N.C.	ECP1-1204C-A2U2Y ECP1-1204C-B2U2Y	ECP2-1208C-A2U2Y ECP2-1208C-B2U2Y	ECP1-1204C-ACU3Y ECP1-1204C-BCU3Y	ECP2-1208C-ACU3Y ECP2-1208C-BCU3Y
		10~60V	N.O./N.C.	ECP1-1204C-S2U2Y	ECP2-1208C-S2U2Y	ECP1-1204C-SCU3Y	ECP2-1208C-SCU3Y
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECP1-1204N-A3U2Y ECP1-1204N-B3U2Y	ECP2-1208N-A3U2Y ECP2-1208N-B3U2Y	ECP1-1204N-ACU3Y ECP1-1204N-BCU3Y	ECP2-1208N-ACU3Y ECP2-1208N-BCU3Y
		PNP 10~30V	N.O. N.C.	ECP1-1204P-A3U2Y ECP1-1204P-B3U2Y	ECP2-1208P-A3U2Y ECP2-1208P-B3U2Y	ECP1-1204P-ACU3Y ECP1-1204P-BCU3Y	ECP2-1208P-ACU3Y ECP2-1208P-BCU3Y
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCP1-1206N-A3U2Y LCP1-1206N-B3U2Y	LCP2-1210N-A3U2Y LCP2-1210N-B3U2Y	LCP1-1206N-ACU3Y LCP1-1206N-BCU3Y	LCP2-1210N-ACU3Y LCP2-1210N-BCU3Y
		PNP 10~30V	N.O. N.C.	LCP1-1206P-A3U2Y LCP1-1206P-B3U2Y	LCP2-1210P-A3U2Y LCP2-1210P-B3U2Y	LCP1-1206P-ACU3Y LCP1-1206P-BCU3Y	LCP2-1210P-ACU3Y LCP2-1210P-BCU3Y

Cylindrical Plastic Housing



M12 x 74



M12 x 74

Connection			2 m Cable		M12 Connector		
Series			M12 (Z shape)				
Switching Distance Sn (mm)			Standard: 2.0 - 4.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-1202C-A2U2Z FCP1-1202C-B2U2Z	FCP2-1204C-A2U2Z FCP2-1204C-B2U2Z	FCP1-1202C-ARU4Z FCP1-1202C-BRU4Z	FCP2-1204C-ARU4Z FCP2-1204C-BRU4Z
		10~60V	N.O./N.C.	FCP1-1202C-S2U2Z	FCP2-1204C-S2U2Z	FCP1-1202C-SRU3Z	FCP2-1204C-SRU3Z
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-1202N-A3U2Z FCP1-1202N-B3U2Z	FCP2-1204N-A3U2Z FCP2-1204N-B3U2Z	FCP1-1202N-ARU4Z FCP1-1202N-BRU4Z	FCP2-1204N-ARU4Z FCP2-1204N-BRU4Z
		PNP 10~30V	N.O. N.C.	FCP1-1202P-A3U2Z FCP1-1202P-B3U2Z	FCP2-1204P-A3U2Z FCP2-1204P-B3U2Z	FCP1-1202P-ARU4Z FCP1-1202P-BRU4Z	FCP2-1204P-ARU4Z FCP2-1204P-BRU4Z
		NPN 5~36V	N.O. N.C.	ICP1-1202N-A3U2Z ICP1-1202N-B3U2Z	ICP2-1204N-A3U2Z ICP2-1204N-B3U2Z	ICP1-1202N-ARU4Z ICP1-1202N-BRU4Z	ICP2-1204N-ARU4Z ICP2-1204N-BRU4Z
		PNP 5~36V	N.O. N.C.	ICP1-1202P-A3U2Z ICP1-1202P-B3U2Z	ICP2-1204P-A3U2Z ICP2-1204P-B3U2Z	ICP1-1202P-ARU4Z ICP1-1202P-BRU4Z	ICP2-1204P-ARU4Z ICP2-1204P-BRU4Z
		NPN 10~55V	N.O. N.C.	HCP1-1202N-A3U2Z HCP1-1202N-B3U2Z	HCP2-1204N-A3U2Z HCP2-1204N-B3U2Z	HCP1-1202N-ARU4Z HCP1-1202N-BRU4Z	HCP2-1204N-ARU4Z HCP2-1204N-BRU4Z
		PNP 10~55V	N.O. N.C.	HCP1-1202P-A3U2Z HCP1-1202P-B3U2Z	HCP2-1204P-A3U2Z HCP2-1204P-B3U2Z	HCP1-1202P-ARU4Z HCP1-1202P-BRU4Z	HCP2-1204P-ARU4Z HCP2-1204P-BRU4Z
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCP1-1202N-S4U2Z FCP1-1202P-S4U2Z	FCP2-1204N-S4U2Z FCP2-1204P-S4U2Z	FCP1-1202N-SRU4Z FCP1-1202P-SRU4Z	FCP2-1204N-SRU4Z FCP2-1204P-SRU4Z
		NPN/PNP 10~30V	N.O./N.C.	FCP1-1202D-S4U2Z	FCP2-1204D-S4U2Z	FCP1-1202D-SRU4Z	FCP2-1204D-SRU4Z
		5~36V N.O./N.C.	NPN PNP	ICP1-1202N-S4U2Z ICP1-1202P-S4U2Z	ICP2-1204N-S4U2Z ICP2-1204P-S4U2Z	ICP1-1202N-SRU4Z ICP1-1202P-SRU4Z	ICP2-1204N-SRU4Z ICP2-1204P-SRU4Z
	AC 2-wire	20~250V	N.O. N.C.	FCP1-1202A-A2L2Z FCP1-1202A-B2L2Z	FCP2-1204A-A2L2Z FCP2-1204A-B2L2Z	FCP1-1202A-AUL3Z FCP1-1202A-BUL3Z	FCP2-1204A-AUL3Z FCP2-1204A-BUL3Z
	AC/DC 2-wire	20~250V	N.O. N.C.	FCP1-1202U-A2L2Z FCP1-1202U-B2L2Z	FCP2-1204U-A2L2Z FCP2-1204U-B2L2Z	FCP1-1202U-AUL3Z FCP1-1202U-BUL3Z	FCP2-1204U-AUL3Z FCP2-1204U-BUL3Z

Cylindrical Plastic Housing



M18 x 55



M18 x 79



M18 x 35

Connection			2 m Cable		M12 Connector		2 m Cable	
Series			M18					
Switching Distance Sn (mm)			Standard: 5.0 - 8.0					
DC 2-wire	10~60V	N.O. N.C.	FCP1-1805C-A2U2 FCP1-1805C-B2U2	FCP2-1808C-A2U2 FCP2-1808C-B2U2	FCP1-1805C-ARU4 FCP1-1805C-BRU4	FCP2-1808C-ARU4 FCP2-1808C-BRU4	FCP1-1805C-A2S2 FCP1-1805C-B2S2	
	10~60V	N.O./N.C.	FCP1-1805C-S2U2	FCP2-1808C-S2U2	FCP1-1805C-SRU4	FCP2-1808C-SRU4		
DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-1805N-A3U2 FCP1-1805N-B3U2	FCP2-1808N-A3U2 FCP2-1808N-B3U2	FCP1-1805N-ARU4 FCP1-1805N-BRU4	FCP2-1808N-ARU4 FCP2-1808N-BRU4	FCP1-1805N-A3S2 FCP1-1805N-B3S2	
	PNP 10~30V	N.O. N.C.	FCP1-1805P-A3U2 FCP1-1805P-B3U2	FCP2-1808P-A3U2 FCP2-1808P-B3U2	FCP1-1805P-ARU4 FCP1-1805P-BRU4	FCP2-1808P-ARU4 FCP2-1808P-BRU4	FCP1-1805P-A3S2 FCP1-1805P-B3S2	
	NPN 5~36V	N.O. N.C.	ICP1-1805N-A3U2 ICP1-1805N-B3U2	ICP2-1808N-A3U2 ICP2-1808N-B3U2	ICP1-1805N-ARU4 ICP1-1805N-BRU4	ICP2-1808N-ARU4 ICP2-1808N-BRU4	ICP1-1805N-A3S2 ICP1-1805N-B3S2	
	PNP 5~36V	N.O. N.C.	ICP1-1805P-A3U2 ICP1-1805P-B3U2	ICP2-1808P-A3U2 ICP2-1808P-B3U2	ICP1-1805P-ARU4 ICP1-1805P-BRU4	ICP2-1808P-ARU4 ICP2-1808P-BRU4	ICP1-1805P-A3S2 ICP1-1805P-B3S2	
	NPN 10~55V	N.O. N.C.	HCP1-1805N-A3U2 HCP1-1805N-B3U2	HCP2-1808N-A3U2 HCP2-1808N-B3U2	HCP1-1805N-ARU4 HCP1-1805N-BRU4	HCP2-1808N-ARU4 HCP2-1808N-BRU4	HCP1-1805N-A3S2 HCP1-1805N-B3S2	
	PNP 10~55V	N.O. N.C.	HCP1-1805P-A3U2 HCP1-1805P-B3U2	HCP2-1808P-A3U2 HCP2-1808P-B3U2	HCP1-1805P-ARU4 HCP1-1805P-BRU4	HCP2-1808P-ARU4 HCP2-1808P-BRU4	HCP1-1805P-A3S2 HCP1-1805P-B3S2	
	10~30V N.O./N.C.	NPN PNP	FCP1-1805N-S4U2 FCP1-1805P-S4U2	FCP2-1808N-S4U2 FCP2-1808P-S4U2	FCP1-1805N-SRU4 FCP1-1805P-SRU4	FCP2-1808N-SRU4 FCP2-1808P-SRU4	FCP1-1805N-S4S2 FCP1-1805P-S4S2	
DC 4-wire	NPN/PNP 10~30V	N.O./N.C.	FCP1-1805D-S4U2	FCP2-1808D-S4U2	FCP1-1805D-SRU4	FCP2-1808D-SRU4		
	5~36V N.O./N.C.	NPN PNP	ICP1-1805N-S4U2 ICP1-1805P-S4U2	ICP2-1808N-S4U2 ICP2-1808P-S4U2	ICP1-1805N-SRU4 ICP1-1805P-SRU4	ICP2-1808N-SRU4 ICP2-1808P-SRU4	ICP1-1805N-S4S2 ICP1-1805P-S4S2	
AC 2-wire	20~250V	N.O. N.C.	FCP1-1805A-A2L2 FCP1-1805A-B2L2	FCP2-1808A-A2L2 FCP2-1808A-B2L2	FCP1-1805A-AUL3 FCP1-1805A-BUL3	FCP2-1808A-AUL3 FCP2-1808A-BUL3		
AC 4-wire	20~250V	N.O./N.C.	FCP1-1805A-C4L2	FCP2-1808A-C4L2	FCP1-1805A-CUL5	FCP2-1808A-CUL5		
AC/DC 2-wire	20~250V	N.O. N.C.	FCP1-1805U-A2L2 FCP1-1805U-B2L2	FCP2-1808U-A2L2 FCP2-1808U-B2L2	FCP1-1805U-AUL3 FCP1-1805U-BUL3	FCP2-1808U-AUL3 FCP2-1808U-BUL3		
NAMUR	6~12V		FCP1-1805NU	FCP2-1808NU				

Standard

Cylindrical Plastic Housing



M18 x 55



M18 x 79



M18 x 35

Connection			2 m Cable		M12 Connector		2 m Cable	
Series			M18					
Switching Distance Sn (mm)			Extended: 8.0 - 16.0, Long: 12.0 - 20.0					
Extended	DC 2-wire	10~60V	N.O. N.C.	ECP1-1808C-A2U2 ECP1-1808C-B2U2	ECP2-1816C-A2U2 ECP2-1816C-B2U2	ECP1-1808C-ARU4 ECP1-1808C-BRU4	ECP2-1816C-ARU4 ECP2-1816C-BRU4	ECP1-1808C-A2S2 ECP1-1808C-B2S2
		10~30V	N.O./N.C.	ECP1-1808C-S2U2	ECP2-1816C-S2U2	ECP1-1808C-SRU4	ECP2-1816C-SRU4	
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECP1-1808N-A3U2 ECP1-1808N-B3U2	ECP2-1816N-A3U2 ECP2-1816N-B3U2	ECP1-1808N-ARU4 ECP1-1808N-BRU4	ECP2-1816N-ARU4 ECP2-1816N-BRU4	ECP1-1808N-A3S2 ECP1-1808N-B3S2
		PNP 10~30V	N.O. N.C.	ECP1-1808P-A3U2 ECP1-1808P-B3U2	ECP2-1816P-A3U2 ECP2-1816P-B3U2	ECP1-1808P-ARU4 ECP1-1808P-BRU4	ECP2-1816P-ARU4 ECP2-1816P-BRU4	ECP1-1808P-A3S2 ECP1-1808P-B3S2
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECP1-1808N-S4U2 ECP1-1808P-S4U2	ECP2-1816N-S4U2 ECP2-1816P-S4U2	ECP1-1808N-SRU4 ECP1-1808P-SRU4	ECP2-1816N-SRU4 ECP2-1816P-SRU4	ECP1-1808N-S4S2 ECP1-1808P-S4S2
		NPN/PNP 10~30V	N.O./N.C.	ECP1-1808D-S4U2	ECP2-1816D-S4U2	ECP1-1808D-SRU4	ECP2-1816D-SRU4	
	AC 2-wire	20~250V	N.O. N.C.	ECP1-1808A-A2L2 ECP1-1808A-B2L2	ECP2-1816A-A2L2 ECP2-1816A-B2L2	ECP1-1808A-AUL3 ECP1-1808A-BUL3	ECP2-1816A-AUL3 ECP2-1816A-BUL3	
Long	DC 2-wire	10~60V	N.O. N.C.	LCP1-1812C-A2U2 LCP1-1812C-B2U2	LCP2-1820C-A2U2 LCP2-1820C-B2U2	LCP1-1812C-ARU4 LCP1-1812C-BRU4	LCP2-1820C-ARU4 LCP2-1820C-BRU4	LCP1-1812C-A2S2 LCP1-1812C-B2S2
	DC 3-wire	NPN 10~30V	N.O. N.C.	LCP1-1812N-A3U2 LCP1-1812N-B3U2	LCP2-1820N-A3U2 LCP2-1820N-B3U2	LCP1-1812N-ARU4 LCP1-1812N-BRU4	LCP2-1820N-ARU4 LCP2-1820N-BRU4	LCP1-1812N-A3S2 LCP1-1812N-B3S2
		PNP 10~30V	N.O. N.C.	LCP1-1812P-A3U2 LCP1-1812P-B3U2	LCP2-1820P-A3U2 LCP2-1820P-B3U2	LCP1-1812P-ARU4 LCP1-1812P-BRU4	LCP2-1820P-ARU4 LCP2-1820P-BRU4	LCP1-1812P-A3S2 LCP1-1812P-B3S2
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	LCP1-1812N-S4U2 LCP1-1812P-S4U2	LCP2-1820N-S4U2 LCP2-1820P-S4U2	LCP1-1812N-SRU4 LCP1-1812P-SRU4	LCP2-1820N-SRU4 LCP2-1820P-SRU4	LCP1-1812N-S4S2 LCP1-1812P-S4S2

Cylindrical Plastic Housing



M18 x 63



M18 x 63

Connection			2 m Cable		M12 Connector		
Series			M18 (Y shape)				
Switching Distance Sn (mm)			Standard: 5.0 - 8.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-1805C-A2U2Y FCP1-1805C-B2U2Y	FCP2-1808C-A2U2Y FCP2-1808C-B2U2Y	FCP1-1805C-ARU4Y FCP1-1805C-BRU4Y	FCP2-1808C-ARU4Y FCP2-1808C-BRU4Y
		10~60V	N.O./N.C.	FCP1-1805C-S2U2Y	FCP2-1808C-S2U2Y	FCP1-1805C-SRU4Y	FCP2-1808C-SRU4Y
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-1805N-A3U2Y FCP1-1805N-B3U2Y	FCP2-1808N-A3U2Y FCP2-1808N-B3U2Y	FCP1-1805N-ARU4Y FCP1-1805N-BRU4Y	FCP2-1808N-ARU4Y FCP2-1808N-BRU4Y
		PNP 10~30V	N.O. N.C.	FCP1-1805P-A3U2Y FCP1-1805P-B3U2Y	FCP2-1808P-A3U2Y FCP2-1808P-B3U2Y	FCP1-1805P-ARU4Y FCP1-1805P-BRU4Y	FCP2-1808P-ARU4Y FCP2-1808P-BRU4Y
		NPN 5~36V	N.O. N.C.	ICP1-1805N-A3U2Y ICP1-1805N-B3U2Y	ICP2-1808N-A3U2Y ICP2-1808N-B3U2Y	ICP1-1805N-ARU4Y ICP1-1805N-BRU4Y	ICP2-1808N-ARU4Y ICP2-1808N-BRU4Y
		PNP 5~36V	N.O. N.C.	ICP1-1805P-A3U2Y ICP1-1805P-B3U2Y	ICP2-1808P-A3U2Y ICP2-1808P-B3U2Y	ICP1-1805P-ARU4Y ICP1-1805P-BRU4Y	ICP2-1808P-ARU4Y ICP2-1808P-BRU4Y
		NPN 10~55V	N.O. N.C.	HCP1-1805N-A3U2Y HCP1-1805N-B3U2Y	HCP2-1808N-A3U2Y HCP2-1808N-B3U2Y	HCP1-1805N-ARU4Y HCP1-1805N-BRU4Y	HCP2-1808N-ARU4Y HCP2-1808N-BRU4Y
		PNP 10~55V	N.O. N.C.	HCP1-1805P-A3U2Y HCP1-1805P-B3U2Y	HCP2-1808P-A3U2Y HCP2-1808P-B3U2Y	HCP1-1805P-ARU4Y HCP1-1805P-BRU4Y	HCP2-1808P-ARU4Y HCP2-1808P-BRU4Y
		10~30V N.O./N.C.	NPN PNP	FCP1-1805N-S4U2Y FCP1-1805P-S4U2Y	FCP2-1808N-S4U2Y FCP2-1808P-S4U2Y	FCP1-1805N-SRU4Y FCP1-1805P-SRU4Y	FCP2-1808N-SRU4Y FCP2-1808P-SRU4Y
	DC 4-wire	NPN/PNP 10~30V	N.O./N.C.	FCP1-1805D-S4U2Y	FCP2-1808D-S4U2Y	FCP1-1805D-SRU4Y	FCP2-1808D-SRU4Y
		5~36V N.O./N.C.	NPN PNP	ICP1-1805N-S4U2Y ICP1-1805P-S4U2Y	ICP2-1808N-S4U2Y ICP2-1808P-S4U2Y	ICP1-1805N-SRU4Y ICP1-1805P-SRU4Y	ICP2-1808N-SRU4Y ICP2-1808P-SRU4Y
	AC 2-wire 20~250V		N.O. N.C.	FCP1-1805A-A2L2Y FCP1-1805A-B2L2Y	FCP2-1808A-A2L2Y FCP2-1808A-B2L2Y	FCP1-1805A-AUL3Y FCP1-1805A-BUL3Y	FCP2-1808A-AUL3Y FCP2-1808A-BUL3Y
	AC 4-wire 20~250V		N.O./N.C.	FCP1-1805A-C4L2Y	FCP2-1808A-C4L2Y	FCP1-1805A-CUL5Y	FCP2-1808A-CUL5Y
	AC/DC 2-wire 20~250V		N.O. N.C.	FCP1-1805U-A2L2Y FCP1-1805U-B2L2Y	FCP2-1808U-A2L2Y FCP2-1808U-B2L2Y	FCP1-1805U-AUL3Y FCP1-1805U-BUL3Y	FCP2-1808U-AUL3Y FCP2-1808U-BUL3Y

Cylindrical Plastic Housing



M18 x 63



M18 x 63

Connection			2 m Cable		M12 Connector	
Series			M18 (Y shape)			
Switching Distance Sn (mm)			Extended: 8.0 - 16.0, Long: 12.0 - 20.0			
Extended	DC 2-wire	10~60V N.O. N.C.	ECP1-1808C-A2U2Y ECP1-1808C-B2U2Y	ECP2-1816C-A2U2Y ECP2-1816C-B2U2Y	ECP1-1808C-ARU4Y ECP1-1808C-BRU4Y	ECP2-1816C-ARU4Y ECP2-1816C-BRU4Y
		10~60V N.O./N.C.	ECP1-1808C-S2U2Y	ECP2-1816C-S2U2Y	ECP1-1808C-SRU4Y	ECP2-1816C-SRU4Y
	DC 3-wire	NPN 10~30V N.O. N.C.	ECP1-1808N-A3U2Y ECP1-1808N-B3U2Y	ECP2-1816N-A3U2Y ECP2-1816N-B3U2Y	ECP1-1808N-ARU4Y ECP1-1808N-BRU4Y	ECP2-1816N-ARU4Y ECP2-1816N-BRU4Y
		PNP 10~30V N.O. N.C.	ECP1-1808P-A3U2Y ECP1-1808P-B3U2Y	ECP2-1816P-A3U2Y ECP2-1816P-B3U2Y	ECP1-1808P-ARU4Y ECP1-1808P-BRU4Y	ECP2-1816P-ARU4Y ECP2-1816P-BRU4Y
	AC 2-wire 20~250V		N.O. N.C.	ECP1-1808A-A2L2Y ECP1-1808A-B2L2Y	ECP2-1816A-A2L2Y ECP2-1816A-B2L2Y	ECP1-1808A-AUL3Y ECP1-1808A-BUL3Y
Long	DC 2-wire 10~60V	N.O. N.C.	LCP1-1812C-A2U2Y LCP1-1812C-B2U2Y	LCP2-1820C-A2U2Y LCP2-1820C-B2U2Y	LCP1-1812C-ARU4Y LCP1-1812C-BRU4Y	LCP2-1820C-ARU4Y LCP2-1820C-BRU4Y
	DC 3-wire	NPN 10~30V N.O. N.C.	LCP1-1812N-A3U2Y LCP1-1812N-B3U2Y	LCP2-1820N-A3U2Y LCP2-1820N-B3U2Y	LCP1-1812N-ARU4Y LCP1-1812N-BRU4Y	LCP2-1820N-ARU4Y LCP2-1820N-BRU4Y
		PNP 10~30V N.O. N.C.	LCP1-1812P-A3U2Y LCP1-1812P-B3U2Y	LCP2-1820P-A3U2Y LCP2-1820P-B3U2Y	LCP1-1812P-ARU4Y LCP1-1812P-BRU4Y	LCP2-1820P-ARU4Y LCP2-1820P-BRU4Y

Cylindrical Plastic Housing



M18 x 73



M18 x 73



M18 x 73



M18 x 73

Connection			2 m Cable		M12 Connector		
Series			M18 (Z shape)				
Switching Distance Sn (mm)			Standard: 5.0 - 8.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-1805C-A2U2Z FCP1-1805C-B2U2Z	FCP2-1808C-A2U2Z FCP2-1808C-B2U2Z	FCP1-1805C-ARU4Z FCP1-1805C-BRU4Z	FCP2-1808C-ARU4Z FCP2-1808C-BRU4Z
		10~60V	N.O./N.C.	FCP1-1805C-S2U2Z	FCP2-1808C-S2U2Z	FCP1-1805C-SRU4Z	FCP2-1808C-SRU4Z
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-1805N-A3U2Z FCP1-1805N-B3U2Z	FCP2-1808N-A3U2Z FCP2-1808N-B3U2Z	FCP1-1805N-ARU4Z FCP1-1805N-BRU4Z	FCP2-1808N-ARU4Z FCP2-1808N-BRU4Z
		PNP 10~30V	N.O. N.C.	FCP1-1805P-A3U2Z FCP1-1805P-B3U2Z	FCP2-1808P-A3U2Z FCP2-1808P-B3U2Z	FCP1-1805P-ARU4Z FCP1-1805P-BRU4Z	FCP2-1808P-ARU4Z FCP2-1808P-BRU4Z
		NPN 5~36V	N.O. N.C.	ICP1-1805N-A3U2Z ICP1-1805N-B3U2Z	ICP2-1808N-A3U2Z ICP2-1808N-B3U2Z	ICP1-1805N-ARU4Z ICP1-1805N-BRU4Z	ICP2-1808N-ARU4Z ICP2-1808N-BRU4Z
		PNP 5~36V	N.O. N.C.	ICP1-1805P-A3U2Z ICP1-1805P-B3U2Z	ICP2-1808P-A3U2Z ICP2-1808P-B3U2Z	ICP1-1805P-ARU4Z ICP1-1805P-BRU4Z	ICP2-1808P-ARU4Z ICP2-1808P-BRU4Z
		NPN 10~55V	N.O. N.C.	HCP1-1805N-A3U2Z HCP1-1805N-B3U2Z	HCP2-1808N-A3U2Z HCP2-1808N-B3U2Z	HCP1-1805N-ARU4Z HCP1-1805N-BRU4Z	HCP2-1808N-ARU4Z HCP2-1808N-BRU4Z
		PNP 10~55V	N.O. N.C.	HCP1-1805P-A3U2Z HCP1-1805P-B3U2Z	HCP2-1808P-A3U2Z HCP2-1808P-B3U2Z	HCP1-1805P-ARU4Z HCP1-1805P-BRU4Z	HCP2-1808P-ARU4Z HCP2-1808P-BRU4Z
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCP1-1805N-S4U2Z FCP1-1805P-S4U2Z	FCP2-1808N-S4U2Z FCP2-1808P-S4U2Z	FCP1-1805N-SRU4Z FCP1-1805P-SRU4Z
	NPN/PNP 10~30V		N.O./N.C.	FCP1-1805D-S4U2Z	FCP2-1808D-S4U2Z	FCP1-1805D-SRU4Z	FCP2-1808D-SRU4Z
	5~36V N.O./N.C.		NPN PNP	ICP1-1805N-S4U2Z ICP1-1805P-S4U2Z	ICP2-1808N-S4U2Z ICP2-1808P-S4U2Z	ICP1-1805N-SRU4Z ICP1-1805P-SRU4Z	ICP2-1808N-SRU4Z ICP2-1808P-SRU4Z
	AC 2-wire	20~250V	N.O. N.C.	FCP1-1805A-A2L2Z FCP1-1805A-B2L2Z	FCP2-1808A-A2L2Z FCP2-1808A-B2L2Z	FCP1-1805A-AUL3Z FCP1-1805A-BUL3Z	FCP2-1808A-AUL3Z FCP2-1808A-BUL3Z
	AC 4-wire	20~250V	N.O./N.C.	FCP1-1805A-C4L2Z	FCP2-1808A-C4L2Z	FCP1-1805A-CUL5Z	FCP2-1808A-CUL5Z
	AC/DC 2-wire	20~250V	N.O. N.C.	FCP1-1805U-A2L2Z FCP1-1805U-B2L2Z	FCP2-1808U-A2L2Z FCP2-1808U-B2L2Z	FCP1-1805U-AUL3Z FCP1-1805U-BUL3Z	FCP2-1808U-AUL3Z FCP2-1808U-BUL3Z

Standard

Cylindrical Plastic Housing



M18 x 73



M18 x 73



M18 x 73



M18 x 73

Connection			2 m Cable		M12 Connector	
Series			M18 (Z shape)			
Switching Distance Sn (mm)			Extended: 8.0 - 16.0, Long: 12.0 - 20.0			
Extended	DC 2-wire	10~60V N.O. N.C.	ECP1-1808C-A2U2Z ECP1-1808C-B2U2Z	ECP2-1816C-A2U2Z ECP2-1816C-B2U2Z	ECP1-1808C-ARU4Z ECP1-1808C-BRU4Z	ECP2-1816C-ARU4Z ECP2-1816C-BRU4Z
		10~60V N.O./N.C.	ECP1-1808C-S2U2Z	ECP2-1816C-S2U2Z	ECP1-1808C-SRU4Z	ECP2-1816C-SRU4Z
	DC 3-wire	NPN 10~30V N.O. N.C.	ECP1-1808N-A3U2Z ECP1-1808N-B3U2Z	ECP2-1816N-A3U2Z ECP2-1816N-B3U2Z	ECP1-1808N-ARU4Z ECP1-1808N-BRU4Z	ECP2-1816N-ARU4Z ECP2-1816N-BRU4Z
		PNP 10~30V N.O. N.C.	ECP1-1808P-A3U2Z ECP1-1808P-B3U2Z	ECP2-1816P-A3U2Z ECP2-1816P-B3U2Z	ECP1-1808P-ARU4Z ECP1-1808P-BRU4Z	ECP2-1816P-ARU4Z ECP2-1816P-BRU4Z
	AC 2-wire	20~250V N.O. N.C.	ECP1-1808A-A2L2Z ECP1-1808A-B2L2Z	ECP2-1816A-A2L2Z ECP2-1816A-B2L2Z	ECP1-1808A-AUL3Z ECP1-1808A-BUL3Z	ECP2-1816A-AUL3Z ECP2-1816A-BUL3Z
	Long	DC 2-wire	10~60V N.O. N.C.	LCP1-1812C-A2U2Z LCP1-1812C-B2U2Z	LCP2-1820C-A2U2Z LCP2-1820C-B2U2Z	LCP1-1812C-ARU4Z LCP1-1812C-BRU4Z
DC 3-wire		NPN 10~30V N.O. N.C.	LCP1-1812N-A3U2Z LCP1-1812N-B3U2Z	LCP2-1820N-A3U2Z LCP2-1820N-B3U2Z	LCP1-1812N-ARU4Z LCP1-1812N-BRU4Z	LCP2-1820N-ARU4Z LCP2-1820N-BRU4Z
		PNP 10~30V N.O. N.C.	LCP1-1812P-A3U2Z LCP1-1812P-B3U2Z	LCP2-1820P-A3U2Z LCP2-1820P-B3U2Z	LCP1-1812P-ARU4Z LCP1-1812P-BRU4Z	LCP2-1820P-ARU4Z LCP2-1820P-BRU4Z

Cylindrical Plastic Housing



M30 x 80



M30 x 80



M30 x 40



M30 x 45

Connection			2 m Cable			
Series			M30			
Switching Distance Sn (mm)			Standard: 10.0 - 15.0			
DC 2-wire	10~60V	N.O. N.C.	FCP1-3010C-A2U2 FCP1-3010C-B2U2	FCP2-3015C-A2U2 FCP2-3015C-B2U2	FCP1-3010C-A2S2 FCP1-3010C-B2S2	FCP2-3015C-A2S2 FCP2-3015C-B2S2
	10~60V	N.O./N.C.	FCP1-3010C-S2U2	FCP2-3015C-S2U2	FCP1-3010C-S2S2	FCP2-3015C-S2S2
DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-3010N-A3U2 FCP1-3010N-B3U2	FCP2-3015N-A3U2 FCP2-3015N-B3U2	FCP1-3010N-A3S2 FCP1-3010N-B3S2	FCP2-3015N-A3S2 FCP2-3015N-B3S2
	PNP 10~30V	N.O. N.C.	FCP1-3010P-A3U2 FCP1-3010P-B3U2	FCP2-3015P-A3U2 FCP2-3015P-B3U2	FCP1-3010P-A3S2 FCP1-3010P-B3S2	FCP2-3015P-A3S2 FCP2-3015P-B3S2
	NPN 5~36V	N.O. N.C.	ICP1-3010N-A3U2 ICP1-3010N-B3U2	ICP2-3015N-A3U2 ICP2-3015N-B3U2	ICP1-3010N-A3S2 ICP1-3010N-B3S2	ICP2-3015N-A3S2 ICP2-3015N-B3S2
	PNP 5~36V	N.O. N.C.	ICP1-3010P-A3U2 ICP1-3010P-B3U2	ICP2-3015P-A3U2 ICP2-3015P-B3U2	ICP1-3010P-A3S2 ICP1-3010P-B3S2	ICP2-3015P-A3S2 ICP2-3015P-B3S2
	NPN 10~55V	N.O. N.C.	HCP1-3010N-A3U2 HCP1-3010N-B3U2	HCP2-3015N-A3U2 HCP2-3015N-B3U2	HCP1-3010N-A3S2 HCP1-3010N-B3S2	HCP2-3015N-A3S2 HCP2-3015N-B3S2
	PNP 10~55V	N.O. N.C.	HCP1-3010P-A3U2 HCP1-3010P-B3U2	HCP2-3015P-A3U2 HCP2-3015P-B3U2	HCP1-3010P-A3S2 HCP1-3010P-B3S2	HCP2-3015P-A3S2 HCP2-3015P-B3S2
	10~30V N.O./N.C.	NPN PNP	FCP1-3010N-S4U2 FCP1-3010P-S4U2	FCP2-3015N-S4U2 FCP2-3015P-S4U2	FCP1-3010N-S4S2 FCP1-3010P-S4S2	FCP2-3015N-S4S2 FCP2-3015P-S4S2
	NPN/PNP 10~30V	N.O./N.C.	FCP1-3010D-S4U2	FCP2-3015D-S4U2	FCP1-3010D-S4S2	FCP2-3015D-S4S2
DC 4-wire	5~36V N.O./N.C.	NPN PNP	ICP1-3010N-S4U2 ICP1-3010P-S4U2	ICP2-3015N-S4U2 ICP2-3015P-S4U2	ICP1-3010N-S4S2 ICP1-3010P-S4S2	ICP2-3015N-S4S2 ICP2-3015P-S4S2
	AC 2-wire 20~250V	N.O. N.C.	FCP1-3010A-A2L2 FCP1-3010A-B2L2	FCP2-3015A-A2L2 FCP2-3015A-B2L2		
AC 4-wire 20~250V			FCP1-3010A-C4L2	FCP2-3015A-C4L2		
AC/DC 2-wire 20~250V			FCP1-3010U-A2L2 FCP1-3010U-B2L2	FCP2-3015U-A2L2 FCP2-3015U-B2L2		
NAMUR 6~12V			FCP1-3010NU	FCP2-3015NU		

Standard

Cylindrical Plastic Housing



M30 x 80



M30 x 80



M30 x 40



M30 x 45

Connection			2 m Cable			
Series			M30			
Switching Distance Sn (mm)			Extended: 15.0 - 25.0, Long: 22.0 - 40.0			
Extended	DC 2-wire	10~60V N.O. N.C.	ECP1-3015C-A2U2 ECP1-3015C-B2U2	ECP2-3025C-A2U2 ECP2-3025C-B2U2	ECP1-3015C-A2S2 ECP1-3015C-B2S2	ECP2-3025C-A2S2 ECP2-3025C-B2S2
		10~60V N.O./N.C.	ECP1-3015C-S2U2	ECP2-3025C-S2U2	ECP1-3015C-S2S2	ECP2-3025C-S2S2
	DC 3-wire	NPN 10~30V N.O. N.C.	ECP1-3016N-A3U2 ECP1-3016N-B3U2	ECP2-3025N-A3U2 ECP2-3025N-B3U2	ECP1-3016N-A3S2 ECP1-3016N-B3S2	ECP2-3025N-A3S2 ECP2-3025N-B3S2
		PNP 10~30V N.O. N.C.	ECP1-3016P-A3U2 ECP1-3016P-B3U2	ECP2-3025P-A3U2 ECP2-3025P-B3U2	ECP1-3016P-A3S2 ECP1-3016P-B3S2	ECP2-3025P-A3S2 ECP2-3025P-B3S2
	DC 4-wire	10~30V N.O./N.C. NPN PNP	ECP1-3016N-S4U2 ECP1-3016P-S4U2	ECP2-3025N-S4U2 ECP2-3025P-S4U2	ECP1-3016N-S4S2 ECP1-3016P-S4S2	ECP2-3025N-S4S2 ECP2-3025P-S4S2
		NPN/PNP 10~30V N.O./N.C.	ECP1-3016D-S4U2	ECP2-3025D-S4U2	ECP1-3016D-S4S2	ECP2-3025D-S4S2
Long	DC 2-wire	10~60V N.O. N.C.	ECP1-3022C-A2U2 ECP1-3022C-B2U2	ECP2-3040C-A2U2 ECP2-3040C-B2U2	LCP1-3022C-A2S2 LCP1-3022C-B2S2	LCP2-3040C-A2S2 LCP2-3040C-B2S2
	DC 3-wire	NPN 10~30V N.O. N.C.	LCP1-3022N-A3U2 LCP1-3022N-B3U2	LCP2-3040N-A3U2 LCP2-3040N-B3U2	LCP1-3022N-A3S2 LCP1-3022N-B3S2	LCP2-3040N-A3S2 LCP2-3040N-B3S2
		PNP 10~30V N.O. N.C.	LCP1-3022P-A3U2 LCP1-3022P-B3U2	LCP2-3040P-A3U2 LCP2-3040P-B3U2	LCP1-3022P-A3S2 LCP1-3022P-B3S2	LCP2-3040P-A3S2 LCP2-3040P-B3S2
	DC 4-wire	10~30V N.O./N.C. NPN PNP	LCP1-3022N-S4U2 LCP1-3022P-S4U2	LCP2-3040N-S4U2 LCP2-3040P-S4U2	LCP1-3022N-S4S2 LCP1-3022P-S4S2	LCP2-3040N-S4S2 LCP2-3040P-S4S2

Cylindrical Plastic Housing



M30 x 95

M30 x 97

Connection			M12 Connector		7/8"-16UN-2A		
Series			M30				
Switching Distance Sn (mm)			Standard: 10.0 - 15.0, Extended: 15.0 - 25.0, Long: 22.0 - 40.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCP1-3010C-ARU4 FCP1-3010C-BRU4	FCP2-3015C-ARU4 FCP2-3015C-BRU4	FCP1-3010C-AZU4 FCP1-3010C-BZU4	FCP2-3015C-AZU4 FCP2-3015C-BZU4
		10~60V	N.O./N.C.	FCP1-3010C-SRU4	FCP2-3015C-SRU4	FCP1-3010C-SZU4	FCP2-3015C-SZU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCP1-3010N-ARU4 FCP1-3010N-BRU4	FCP2-3015N-ARU4 FCP2-3015N-BRU4	FCP1-3010N-AZU4 FCP1-3010N-BZU4	FCP2-3015N-AZU4 FCP2-3015N-BZU4
		PNP 10~30V	N.O. N.C.	FCP1-3010P-ARU4 FCP1-3010P-BRU4	FCP2-3015P-ARU4 FCP2-3015P-BRU4	FCP1-3010P-AZU4 FCP1-3010P-BZU4	FCP2-3015P-AZU4 FCP2-3015P-BZU4
		NPN 5~36V	N.O. N.C.	ICP1-3010N-ARU4 ICP1-3010N-BRU4	ICP2-3015N-ARU4 ICP2-3015N-BRU4	ICP1-3010N-AZU4 ICP1-3010N-BZU4	ICP2-3015N-AZU4 ICP2-3015N-BZU4
		PNP 5~36V	N.O. N.C.	ICP1-3010P-ARU4 ICP1-3010P-BRU4	ICP2-3015P-ARU4 ICP2-3015P-BRU4	ICP1-3010P-AZU4 ICP1-3010P-BZU4	ICP2-3015P-AZU4 ICP2-3015P-BZU4
		NPN 10~55V	N.O. N.C.	HCP1-3010N-ARU4 HCP1-3010N-BRU4	HCP2-3015N-ARU4 HCP2-3015N-BRU4	HCP1-3010N-AZU4 HCP1-3010N-BZU4	HCP2-3015N-AZU4 HCP2-3015N-BZU4
		PNP 10~55V	N.O. N.C.	HCP1-3010P-ARU4 HCP1-3010P-BRU4	HCP2-3015P-ARU4 HCP2-3015P-BRU4	HCP1-3010P-AZU4 HCP1-3010P-BZU4	HCP2-3015P-AZU4 HCP2-3015P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCP1-3010N-SRU4 FCP1-3010P-SRU4	FCP2-3015N-SRU4 FCP2-3015P-SRU4	FCP1-3010N-SZU4 FCP1-3010P-SZU4	FCP2-3015N-SZU4 FCP2-3015P-SZU4
		NPN/PNP 10~30V	N.O./N.C.	FCP1-3010D-SRU4	FCP2-3015D-SRU4	FCP1-3010D-SZU4	FCP2-3015D-SZU4
		5~36V N.O./N.C.	NPN PNP	ICP1-3010N-SRU4 ICP1-3010P-SRU4	ICP2-3015N-SRU4 ICP2-3015P-SRU4	ICP1-3010N-SZU4 ICP1-3010P-SZU4	ICP2-3015N-SZU4 ICP2-3015P-SZU4
	AC 2-wire	20~250V	N.O. N.C.	FCP1-3010A-AUL3 FCP1-3010A-BUL3	FCP2-3015A-AUL3 FCP2-3015A-BUL3	FCP1-3010A-AZL2 FCP1-3010A-BZL2	FCP2-3015A-AZL2 FCP2-3015A-BZL2
	AC 4-wire	20~250V	N.O./N.C.	FCP1-3010A-CUL5	FCP2-3015A-CUL5	FCP1-3010A-CZL5	FCP2-3015A-CZL5
	AC/DC 2-wire	20~250V	N.O. N.C.	FCP1-3010U-AUL3 FCP1-3010U-BUL3	FCP2-3015U-AUL3 FCP2-3015U-BUL3	FCP1-3010U-AZL2 FCP1-3010U-BZL2	FCP2-3015U-AZL2 FCP2-3015U-BZL2
	Extended	DC 2-wire	10~60V	N.O. N.C.	ECP1-3015C-ARU4 ECP1-3015C-BRU4	ECP2-3025C-ARU4 ECP2-3025C-BRU4	ECP1-3015C-AZU4 ECP1-3015C-BZU4
10~60V			N.O./N.C.	ECP1-3015C-SRU4	ECP2-3025C-SRU4	ECP1-3015C-SZU4	ECP2-3025C-SZU4
DC 3-wire		NPN 10~30V	N.O. N.C.	ECP1-3016N-ARU4 ECP1-3016N-BRU4	ECP2-3025N-ARU4 ECP2-3025N-BRU4	ECP1-3016N-AZU4 ECP1-3016N-BZU4	ECP2-3025N-AZU4 ECP2-3025N-BZU4
	PNP 10~30V	N.O. N.C.	ECP1-3016P-ARU4 ECP1-3016P-BRU4	ECP2-3025P-ARU4 ECP2-3025P-BRU4	ECP1-3016P-AZU4 ECP1-3016P-BZU4	ECP2-3025P-AZU4 ECP2-3025P-BZU4	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCP1-3022N-ARU4 LCP1-3022N-BRU4	LCP2-3040N-ARU4 LCP2-3040N-BRU4	LCP1-3022N-AZU4 LCP1-3022N-BZU4	LCP2-3040N-AZU4 LCP2-3040N-BZU4
		PNP 10~30V	N.O. N.C.	LCP1-3022P-ARU4 LCP1-3022P-BRU4	LCP2-3040P-ARU4 LCP2-3040P-BRU4	LCP1-3022P-AZU4 LCP1-3022P-BZU4	LCP2-3040P-AZU4 LCP2-3040P-BZU4

Cuboid Plastic Housing



17 x 6.5 x 20



17 x 6 x 28

Connection			2 m Cable		
Series			Q6.5		Q6
Switching Distance Sn (mm)			Standard: 1.5 - 2.0, Extended: 2.0, Long: 3.0		
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-6.51.5C-A2U2 FQP1-6.51.5C-B2U2	FQP2-6.502C-A2U2 FQP2-6.502C-B2U2	FQP1-061.5C-A2U2T FQP1-061.5C-B2U2T
	DC 3-wire	NPN 10~30V	FQP1-6.51.5N-A3U2 FQP1-6.51.5N-B3U2	FQP2-6.502N-A3U2 FQP2-6.502N-B3U2	FQP1-061.5N-A3U2T FQP1-061.5N-B3U2T
		PNP 10~30V	N.O. N.C.	FQP1-6.51.5P-A3U2 FQP1-6.51.5P-B3U2	FQP2-6.502P-A3U2 FQP2-6.502P-B3U2
Extended	DC 3-wire	NPN 10~30V	EQP1-6.502N-A3U2 EQP1-6.502N-B3U2		EQP1-0602N-A3U2T EQP1-0602N-B3U2T
		PNP 10~30V	EQP1-6.502P-A3U2 EQP1-6.502P-B3U2		EQP1-0602P-A3U2T EQP1-0602P-B3U2T
Long	DC 3-wire	NPN 10~30V	LQP1-6.503N-A3U2 LQP1-6.503N-B3U2		LQP1-0603N-A3U2T LQP1-0603N-B3U2T
		PNP 10~30V	LQP1-6.503P-A3U2 LQP1-6.503P-B3U2		LQP1-0603P-A3U2T LQP1-0603P-B3U2T

Cuboid Plastic Housing



30 x 57 x 14



30 x 57 x 14



30 x 57 x 14

Connection			2 m Cable	M8 Connector	M12 Connector
Series			Q14		
Switching Distance Sn (mm)			Standard: 10.0, Extended: 16.0, Long: 22.0		
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-1410C-A2U2T FQP1-1410C-B2U2T	FQP1-1410C-ACU3T FQP1-1410C-BCU3T	FQP1-1410C-ARU4T FQP1-1410C-BRU4T
	DC 3-wire	NPN 10~30V	FQP1-1410N-A3U2T FQP1-1410N-B3U2T	FQP1-1410N-ACU3T FQP1-1410N-BCU3T	FQP1-1410N-ARU4T FQP1-1410N-BRU4T
		PNP 10~30V	FQP1-1410P-A3U2T FQP1-1410P-B3U2T	FQP1-1410P-ACU3T FQP1-1410P-BCU3T	FQP1-1410P-ARU4T FQP1-1410P-BRU4T
	AC 2-wire 20~250V	N.O. N.C.	FQP1-1410A-A2L2T FQP1-1410A-B2L2T		
	AC 3-wire 20~250V	N.O./N.C.			FQP1-1410A-AUL3T FQP1-1410A-BUL3T
	AC/DC 2-wire 20~250V	N.O. N.C.	FQP1-1410U-A2L2T FQP1-1410U-B2L2T		FQP1-1410U-AUL3T FQP1-1410U-BUL3T
Extended	DC 3-wire	NPN 10~30V	EQP1-1416N-A3U2T EQP1-1416N-B3U2T	EQP1-1416N-ACU3T EQP1-1416N-BCU3T	EQP1-1416N-ARU4T EQP1-1416N-BRU4T
		PNP 10~30V	EQP1-1416P-A3U2T EQP1-1416P-B3U2T	EQP1-1416P-ACU3T EQP1-1416P-BCU3T	EQP1-1416P-ARU4T EQP1-1416P-BRU4T
	AC/DC 2-wire 20~250V	N.O. N.C.	EQP1-1416U-A2L2T EQP1-1416U-B2L2T		EQP1-1416U-AUL3T EQP1-1416U-BUL3T
Long	DC 3-wire	NPN 10~30V	LQP1-1422N-A3U2T LQP1-1422N-B3U2T	LQP1-1422N-ACU3T LQP1-1422N-BCU3T	LQP1-1422N-ARU4T LQP1-1422N-BRU4T
		PNP 10~30V	LQP1-1422P-A3U2T LQP1-1422P-B3U2T	LQP1-1422P-ACU3T LQP1-1422P-BCU3T	LQP1-1422P-ARU4T LQP1-1422P-BRU4T
	AC/DC 2-wire 20~250V	N.O. N.C.	LQP1-1422U-A2L2T LQP1-1422U-B2L2T		LQP1-1422U-AUL3T LQP1-1422U-BUL3T

Cuboid Plastic Housing



17 x 17 x 28



18 x 18 x 35



18 x 18 x 35

Connection			2 m Cable		M8 Connector		
Series			Q16	Q18			
Switching Distance Sn (mm)			Standard: 4.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP2-1604C-A2U2 FQP2-1604C-B2U2	FQP2-1804C-A2U2 FQP2-1804C-B2U2	FQP2-1804C-ACU3 FQP2-1804C-BCU3	
	DC 3-wire	NPN	10~30V	N.O. N.C.	FQP2-1604N-A3U2 FQP2-1604N-B3U2	FQP2-1804N-A3U2 FQP2-1804N-B3U2	FQP2-1804N-ACU3 FQP2-1804N-BCU3
		PNP	10~30V	N.O. N.C.	FQP2-1604P-A3U2 FQP2-1604P-B3U2	FQP2-1804P-A3U2 FQP2-1804P-B3U2	FQP2-1804P-ACU3 FQP2-1804P-BCU3
		NPN	10~55V	N.O. N.C.		HQP2-1804N-A3U2 HQP2-1804N-B3U2	HQP2-1804N-ACU3 HQP2-1804N-BCU3
		PNP	10~55V	N.O. N.C.		HQP2-1804P-A3U2 HQP2-1804P-B3U2	HQP2-1804P-ACU3 HQP2-1804P-BCU3
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP2-1604N-S4U2 FQP2-1604P-S4U2		
	AC 2-wire	20~250V	N.O. N.C.		FQP2-1804A-A2L2 FQP2-1804A-B2L2	FQP2-1804A-AUL3 FQP2-1804A-BUL3	



18 x 10 x 25



18 x 10 x 25



18 x 10 x 30



18 x 10 x 30

Connection		2 m Cable		M8 Connector		2 m Cable		M8 Connector	
Series		Q18B				Q18C			
Switching Distance Sn (mm)		Standard: 2.0 - 4.0							
Standard	DC 2-wire 10~60V	N.O.	FQP2-18B02C-A2U2T	FQP2-18B02C-ACU3T	FQP2-18C04C-A2U2T	FQP2-18C04C-ACU3T			
		N.C.	FQP2-18B02C-B2U2T	FQP2-18B02C-BCU3T	FQP2-18C04C-B2U2T	FQP2-18C04C-BCU3T			
	DC 3-wire	NPN 10~30V	N.O.	FQP2-18B02N-A3U2T	FQP2-18B02N-ACU3T	FQP2-18C04N-A3U2T	FQP2-18C04N-ACU3T		
			N.C.	FQP2-18B02N-B3U2T	FQP2-18B02N-BCU3T	FQP2-18C04N-B3U2T	FQP2-18C04N-BCU3T		
		PNP 10~30V	N.O.	FQP2-18B02P-A3U2T	FQP2-18B02P-ACU3T	FQP2-18C04P-A3U2T	FQP2-18C04P-ACU3T		
			N.C.	FQP2-18B02P-B3U2T	FQP2-18B02P-BCU3T	FQP2-18C04P-B3U2T	FQP2-18C04P-BCU3T		
NPN 10~55V	N.O.			HQP2-18C04N-A3U2T	HQP2-18C04N-ACU3T				
	N.C.			HQP2-18C04N-B3U2T	HQP2-18C04N-BCU3T				
PNP 10~55V	N.O.			HQP2-18C04P-A3U2T	HQP2-18C04P-ACU3T				
	N.C.			HQP2-18C04P-B3U2T	HQP2-18C04P-BCU3T				

Cuboid Plastic Housing



16 x 28 x 10



16 x 28 x 10



16 x 28 x 10



16 x 28 x 10

Connection			2 m Cable	M8 Connector	2 m Cable	M8 Connector	
Series			Q28				
Switching Distance Sn (mm)			Standard: 1.0 - 2.0, Extended: 2.0 - 4.0, Long: 3.0 - 6.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP1-2801C-A2U2 FQP1-2801C-B2U2	FQP1-2801C-ACU3 FQP1-2801C-BCU3	FQP2-2802C-A2U2 FQP2-2802C-B2U2	FQP2-2802C-ACU3 FQP2-2802C-BCU3
	DC 3-wire	NPN 10~30V	N.O. N.C.	FQP1-2801N-A3U2 FQP1-2801N-B3U2	FQP1-2801N-ACU3 FQP1-2801N-BCU3	FQP2-2802N-A3U2 FQP2-2802N-B3U2	FQP2-2802N-ACU3 FQP2-2802N-BCU3
		PNP 10~30V	N.O. N.C.	FQP1-2801P-A3U2 FQP1-2801P-B3U2	FQP1-2801P-ACU3 FQP1-2801P-BCU3	FQP2-2802P-A3U2 FQP2-2802P-B3U2	FQP2-2802P-ACU3 FQP2-2802P-BCU3
		NPN 5~36V	N.O. N.C.	IQP1-2801N-A3U2 IQP1-2801N-B3U2	IQP1-2801N-ACU3 IQP1-2801N-BCU3	IQP2-2802N-A3U2 IQP2-2802N-B3U2	IQP2-2802N-ACU3 IQP2-2802N-BCU3
		PNP 5~36V	N.O. N.C.	IQP1-2801P-A3U2 IQP1-2801P-B3U2	IQP1-2801P-ACU3 IQP1-2801P-BCU3	IQP2-2802P-A3U2 IQP2-2802P-B3U2	IQP2-2802P-ACU3 IQP2-2802P-BCU3
		NAMUR 6~12V		FQP1-2801NU		FQP2-2802NU	
Extended	DC 2-wire	10~60V	N.O. N.C.	EQP1-2802C-A2U2 EQP1-2802C-B2U2	EQP1-2802C-ACU3 EQP1-2802C-BCU3	EQP2-2804C-A2U2 EQP2-2804C-B2U2	EQP2-2804C-ACU3 EQP2-2804C-BCU3
	DC 3-wire	NPN 10~30V	N.O. N.C.	EQP1-2802N-A3U2 EQP1-2802N-B3U2	EQP1-2802N-ACU3 EQP1-2802N-BCU3	EQP2-2804N-A3U2 EQP2-2804N-B3U2	EQP2-2804N-ACU3 EQP2-2804N-BCU3
		PNP 10~30V	N.O. N.C.	EQP1-2802P-A3U2 EQP1-2802P-B3U2	EQP1-2802P-ACU3 EQP1-2802P-BCU3	EQP2-2804P-A3U2 EQP2-2804P-B3U2	EQP2-2804P-ACU3 EQP2-2804P-BCU3
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LQP1-2803N-A3U2 LQP1-2803N-B3U2	LQP1-2803N-ACU3 LQP1-2803N-BCU3	LQP2-2806N-A3U2 LQP2-2806N-B3U2	LQP2-2806N-ACU3 LQP2-2806N-BCU3
		PNP 10~30V	N.O. N.C.	LQP1-2803P-A3U2 LQP1-2803P-B3U2	LQP1-2803P-ACU3 LQP1-2803P-BCU3	LQP2-2806P-A3U2 LQP2-2806P-B3U2	LQP2-2806P-ACU3 LQP2-2806P-BCU3

Cuboid Plastic Housing



16 x 28 x 10



16 x 28 x 10



16 x 28 x 10



16 x 28 x 10

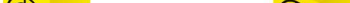
Connection			2 m Cable		M8 Connector		2 m Cable		M8 Connector		
Series			Q28								
Switching Distance Sn (mm)			Standard: 1.0, Extended: 2.0, Long: 3.0				Standard: 2.0, Extended: 4.0, Long: 6.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP1-2801C-A2U2X FQP1-2801C-B2U2X		FQP1-2801C-ACU3X FQP1-2801C-BCU3X		FQP2-2802C-A2U2X FQP2-2802C-B2U2X		FQP2-2802C-ACU3X FQP2-2802C-BCU3X	
	DC 3-wire	NPN 10~30V	N.O. N.C.	FQP1-2801N-A3U2X FQP1-2801N-B3U2X		FQP1-2801N-ACU3X FQP1-2801N-BCU3X		FQP2-2802N-A3U2X FQP2-2802N-B3U2X		FQP2-2802N-ACU3X FQP2-2802N-BCU3X	
		PNP 10~30V	N.O. N.C.	FQP1-2801P-A3U2X FQP1-2801P-B3U2X		FQP1-2801P-ACU3X FQP1-2801P-BCU3X		FQP2-2802P-A3U2X FQP2-2802P-B3U2X		FQP2-2802P-ACU3X FQP2-2802P-BCU3X	
		NPN 5~36V	N.O. N.C.	IQP1-2801N-A3U2X IQP1-2801N-B3U2X		IQP1-2801N-ACU3X IQP1-2801N-BCU3X		IQP2-2802N-A3U2X IQP2-2802N-B3U2X		IQP2-2802N-ACU3X IQP2-2802N-BCU3X	
		PNP 5~36V	N.O. N.C.	IQP1-2801P-A3U2X IQP1-2801P-B3U2X		IQP1-2801P-ACU3X IQP1-2801P-BCU3X		IQP2-2802P-A3U2X IQP2-2802P-B3U2X		IQP2-2802P-ACU3X IQP2-2802P-BCU3X	
		NAMUR	6~12V	FQP1-2801NUX					FQP2-2802NUX		
	Extended	DC 2-wire	10~60V	N.O. N.C.	EQP1-2802C-A2U2X EQP1-2802C-B2U2X		EQP1-2802C-ACU3X EQP1-2802C-BCU3X		EQP2-2804C-A2U2X EQP2-2804C-B2U2X		EQP2-2804C-ACU3X EQP2-2804C-BCU3X
DC 3-wire		NPN 10~30V	N.O. N.C.	EQP1-2802N-A3U2X EQP1-2802N-B3U2X		EQP1-2802N-ACU3X EQP1-2802N-BCU3X		EQP2-2804N-A3U2X EQP2-2804N-B3U2X		EQP2-2804N-ACU3X EQP2-2804N-BCU3X	
		PNP 10~30V	N.O. N.C.	EQP1-2802P-A3U2X EQP1-2802P-B3U2X		EQP1-2802P-ACU3X EQP1-2802P-BCU3X		EQP2-2804P-A3U2X EQP2-2804P-B3U2X		EQP2-2804P-ACU3X EQP2-2804P-BCU3X	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LQP1-2803N-A3U2X LQP1-2803N-B3U2X		LQP1-2803N-ACU3X LQP1-2803N-BCU3X		LQP2-2806N-A3U2X LQP2-2806N-B3U2X		LQP2-2806N-ACU3X LQP2-2806N-BCU3X	
		PNP 10~30V	N.O. N.C.	LQP1-2803P-A3U2X LQP1-2803P-B3U2X		LQP1-2803P-ACU3X LQP1-2803P-BCU3X		LQP2-2806P-A3U2X LQP2-2806P-B3U2X		LQP2-2806P-ACU3X LQP2-2806P-BCU3X	

Proximity Sensors



25 x 25 x 38

DC 2-wire 10~60V	N.O. N.C.	FQP1-2510C-A2S2F FQP1-2510C-B2S2F	FQP1-2510C-ARS4F FQP1-2510C-BRS4F	FQP1-2510C-A2S2T FQP1-2510C-B2S2T	FQP1-2510C-ARS4T FQP1-2510C-BRS4T
------------------	--------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------



25 x 25 x 50

DC 2-wire 10~60V	N.O. N.C.	FQP1-2510C-A2U2F FQP1-2510C-B2U2F	FQP1-2510C-ARU4F FQP1-2510C-BRU4F	FQP1-2510C-A2U2T FQP1-2510C-B2U2T	FQP1-2510C-ARU4T FQP1-2510C-BRU4T
------------------	--------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------

+

SCAD

Cuboid Plastic Housing



25 x 40 x 12



25 x 40 x 12



25 x 40 x 12



25 x 40 x 12

Connection			2 m Cable		M8 Connector		2 m Cable		M8 Connector		
Series			Q25								
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0, Long: 6.0				Standard: 4.0, Extended: 8.0, Long: 10.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP1-4002C-A2U2 FQP1-4002C-B2U2		FQP1-4002C-ACU3 FQP1-4002C-BCU3		FQP2-4004C-A2U2 FQP2-4004C-B2U2		FQP2-4004C-ACU3 FQP2-4004C-BCU3	
		DC 3-wire	NPN 10~30V	N.O. N.C.	FQP1-4002N-A3U2 FQP1-4002N-B3U2		FQP1-4002N-ACU3 FQP1-4002N-BCU3		FQP2-4004N-A3U2 FQP2-4004N-B3U2		FQP2-4004N-ACU3 FQP2-4004N-BCU3
	PNP 10~30V		N.O. N.C.	FQP1-4002P-A3U2 FQP1-4002P-B3U2		FQP1-4002P-ACU3 FQP1-4002P-BCU3		FQP2-4004P-A3U2 FQP2-4004P-B3U2		FQP2-4004P-ACU3 FQP2-4004P-BCU3	
	NPN 5~36V		N.O. N.C.	IQP1-4002N-A3U2 IQP1-4002N-B3U2		IQP1-4002N-ACU3 IQP1-4002N-BCU3		IQP2-4004N-A3U2 IQP2-4004N-B3U2		IQP2-4004N-ACU3 IQP2-4004N-BCU3	
	PNP 5~36V		N.O. N.C.	IQP1-4002P-A3U2 IQP1-4002P-B3U2		IQP1-4002P-ACU3 IQP1-4002P-BCU3		IQP2-4004P-A3U2 IQP2-4004P-B3U2		IQP2-4004P-ACU3 IQP2-4004P-BCU3	
	NPN 10~55V		N.O. N.C.	HQP1-4002N-A3U2 HQP1-4002N-B3U2		HQP1-4002N-ACU3 HQP1-4002N-BCU3		HQP2-4004N-A3U2 HQP2-4004N-B3U2		HQP2-4004N-ACU3 HQP2-4004N-BCU3	
	PNP 10~55V		N.O. N.C.	HQP1-4002P-A3U2 HQP1-4002P-B3U2		HQP1-4002P-ACU3 HQP1-4002P-BCU3		HQP2-4004P-A3U2 HQP2-4004P-B3U2		HQP2-4004P-ACU3 HQP2-4004P-BCU3	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP1-4002N-S4U2 FQP1-4002P-S4U2		FQP1-4002N-SCU4 FQP1-4002P-SCU4		FQP2-4004N-S4U2 FQP2-4004P-S4U2		FQP2-4004N-SCU4 FQP2-4004P-SCU4	
	AC 2-wire	20~250V	N.O. N.C.	FQP1-4002A-A2L2 FQP1-4002A-B2L2				FQP2-4004A-A2L2 FQP2-4004A-B2L2			
	AC/DC 2-wire	20~250V	N.O. N.C.	FQP1-4002U-A2L2 FQP1-4002U-B2L2				FQP2-4004U-A2L2 FQP2-4004U-B2L2			
	NAMUR	6~12V		FQP1-4002NU				FQP2-4004NU			
	Extended	DC 2-wire	10~60V	N.O. N.C.	EQP1-4004C-A2U2 EQP1-4004C-B2U2		EQP1-4004C-ACU3 EQP1-4004C-BCU3		EQP2-4008C-A2U2 EQP2-4008C-B2U2		EQP2-4008C-ACU3 EQP2-4008C-BCU3
DC 3-wire			NPN 10~30V	N.O. N.C.	EQP1-4004N-A3U2 EQP1-4004N-B3U2		EQP1-4004N-ACU3 EQP1-4004N-BCU3		EQP2-4008N-A3U2 EQP2-4008N-B3U2		EQP2-4008N-ACU3 EQP2-4008N-BCU3
		PNP 10~30V	N.O. N.C.	EQP1-4004P-A3U2 EQP1-4004P-B3U2		EQP1-4004P-ACU3 EQP1-4004P-BCU3		EQP2-4008P-A3U2 EQP2-4008P-B3U2		EQP2-4008P-ACU3 EQP2-4008P-BCU3	
DC 4-wire		10~30V N.O./N.C.	NPN PNP	EQP1-4004N-S4U2 EQP1-4004P-S4U2		EQP1-4004N-SCU4 EQP1-4004P-SCU4		EQP2-4008N-S4U2 EQP2-4008P-S4U2		EQP2-4008N-SCU4 EQP2-4008P-SCU4	
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LQP1-4006N-A3U2 LQP1-4006N-B3U2		LQP1-4006N-ACU3 LQP1-4006N-BCU3		LQP2-4010N-A3U2 LQP2-4010N-B3U2		LQP2-4010N-ACU3 LQP2-4010N-BCU3	
		PNP 10~30V	N.O. N.C.	LQP1-4006P-A3U2 LQP1-4006P-B3U2		LQP1-4006P-ACU3 LQP1-4006P-BCU3		LQP2-4010P-A3U2 LQP2-4010P-B3U2		LQP2-4010P-ACU3 LQP2-4010P-BCU3	

Cuboid Plastic Housing



30 x 30 x 52



30 x 30 x 52

Connection			2 m Cable		M12 Connector	
Series			Q30 (Front Sensing)			
Switching Distance Sn (mm)			Standard: 10.0 - 15.0			
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-3010C-A2U2F FQP1-3010C-B2U2F	FQP2-3015C-A2U2F FQP2-3015C-B2U2F	FQP1-3010C-ARU4F FQP1-3010C-BRU4F	FQP2-3015C-ARU4F FQP2-3015C-BRU4F
		NPN 10~30V	FQP1-3010N-A3U2F FQP1-3010N-B3U2F	FQP2-3015N-A3U2F FQP2-3015N-B3U2F	FQP1-3010N-ARU4F FQP1-3010N-BRU4F	FQP2-3015N-ARU4F FQP2-3015N-BRU4F
		PNP 10~30V	FQP1-3010P-A3U2F FQP1-3010P-B3U2F	FQP2-3015P-A3U2F FQP2-3015P-B3U2F	FQP1-3010P-ARU4F FQP1-3010P-BRU4F	FQP2-3015P-ARU4F FQP2-3015P-BRU4F
	DC 3-wire	NPN 10~55V	HQP1-3010N-A3U2F HQP1-3010N-B3U2F	HQP2-3015N-A3U2F HQP2-3015N-B3U2F	HQP1-3010N-ARU4F HQP1-3010N-BRU4F	HQP2-3015N-ARU4F HQP2-3015N-BRU4F
		PNP 10~55V	HQP1-3010P-A3U2F HQP1-3010P-B3U2F	HQP2-3015P-A3U2F HQP2-3015P-B3U2F	HQP1-3010P-ARU4F HQP1-3010P-BRU4F	HQP2-3015P-ARU4F HQP2-3015P-BRU4F
		DC 4-wire 10~30V N.O./N.C.	NPN PNP	FQP1-3010N-S4U2F FQP1-3010P-S4U2F	FQP2-3015N-S4U2F FQP2-3015P-S4U2F	FQP1-3010N-SRU4F FQP1-3010P-SRU4F
	AC 2-wire 20~250V	N.O. N.C.	FQP1-3010A-A2L2F FQP1-3010A-B2L2F	FQP2-3015A-A2L2F FQP2-3015A-B2L2F	FQP1-3010A-AUL3F FQP1-3010A-BUL3F	FQP2-3015A-AUL3F FQP2-3015A-BUL3F
	AC/DC 2-wire 20~250V	N.O. N.C.	FQP1-3010U-A2L2F FQP1-3010U-B2L2F	FQP2-3015U-A2L2F FQP2-3015U-B2L2F	FQP1-3010U-AUL3F FQP1-3010U-BUL3F	FQP2-3015U-AUL3F FQP2-3015U-BUL3F



30 x 30 x 52



30 x 30 x 52

Connection			2 m Cable		M12 Connector		
Series			Q30 (Top Sensing)				
Switching Distance Sn (mm)			Standard: 10.0 - 15.0				
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-3010C-A2U2T FQP1-3010C-B2U2T	FQP2-3015C-A2U2T FQP2-3015C-B2U2T	FQP1-3010C-ARU4T FQP1-3010C-BRU4T	FQP2-3015C-ARU4T FQP2-3015C-BRU4T	
		NPN 10~30V	FQP1-3010N-A3U2T FQP1-3010N-B3U2T	FQP2-3015N-A3U2T FQP2-3015N-B3U2T	FQP1-3010N-ARU4T FQP1-3010N-BRU4T	FQP2-3015N-ARU4T FQP2-3015N-BRU4T	
	DC 3-wire	PNP 10~30V	FQP1-3010P-A3U2T FQP1-3010P-B3U2T	FQP2-3015P-A3U2T FQP2-3015P-B3U2T	FQP1-3010P-ARU4T FQP1-3010P-BRU4T	FQP2-3015P-ARU4T FQP2-3015P-BRU4T	
		NPN 10~55V	HQP1-3010N-A3U2T HQP1-3010N-B3U2T	HQP2-3015N-A3U2T HQP2-3015N-B3U2T	HQP1-3010N-ARU4T HQP1-3010N-BRU4T	HQP2-3015N-ARU4T HQP2-3015N-BRU4T	
		PNP 10~55V	HQP1-3010P-A3U2T HQP1-3010P-B3U2T	HQP2-3015P-A3U2T HQP2-3015P-B3U2T	HQP1-3010P-ARU4T HQP1-3010P-BRU4T	HQP2-3015P-ARU4T HQP2-3015P-BRU4T	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP1-3010N-S4U2T FQP1-3010P-S4U2T	FQP2-3015N-S4U2T FQP2-3015P-S4U2T	FQP1-3010N-SRU4T FQP1-3010P-SRU4T	FQP2-3015N-SRU4T FQP2-3015P-SRU4T
	AC 2-wire 20~250V	N.O. N.C.	FQP1-3010A-A2L2T FQP1-3010A-B2L2T	FQP2-3015A-A2L2T FQP2-3015A-B2L2T	FQP1-3010A-AUL3T FQP1-3010A-BUL3T	FQP2-3015A-AUL3T FQP2-3015A-BUL3T	
	AC/DC 2-wire 20~250V	N.O. N.C.	FQP1-3010U-A2L2T FQP1-3010U-B2L2T	FQP2-3015U-A2L2T FQP2-3015U-B2L2T	FQP1-3010U-AUL3T FQP1-3010U-BUL3T	FQP2-3015U-AUL3T FQP2-3015U-BUL3T	

Cuboid Plastic Housing



30 x 45 x 12



30 x 45 x 12

Connection			2 m Cable		M12 Connector		
Series			Q31				
Switching Distance Sn (mm)			Standard: 10.0 - 15.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP1-3110C-A2U2T FQP1-3110C-B2U2T	FQP2-3115C-A2U2T FQP2-3115C-B2U2T	FQP1-3110C-ARU4T FQP1-3110C-BRU4T	FQP2-3115C-ARU4T FQP2-3115C-BRU4T
		NPN 10~30V	N.O. N.C.	FQP1-3110N-A3U2T FQP1-3110N-B3U2T	FQP2-3115N-A3U2T FQP2-3115N-B3U2T	FQP1-3110N-ARU4T FQP1-3110N-BRU4T	FQP2-3115N-ARU4T FQP2-3115N-BRU4T
	DC 3-wire	PNP 10~30V	N.O. N.C.	FQP1-3110P-A3U2T FQP1-3110P-B3U2T	FQP2-3115P-A3U2T FQP2-3115P-B3U2T	FQP1-3110P-ARU4T FQP1-3110P-BRU4T	FQP2-3115P-ARU4T FQP2-3115P-BRU4T
		NPN 10~55V	N.O. N.C.	HQP1-3110N-A3U2T HQP1-3110N-B3U2T	HQP2-3115N-A3U2T HQP2-3115N-B3U2T	HQP1-3110N-ARU4T HQP1-3110N-BRU4T	HQP2-3115N-ARU4T HQP2-3115N-BRU4T
		PNP 10~55V	N.O. N.C.	HQP1-3110P-A3U2T HQP1-3110P-B3U2T	HQP2-3115P-A3U2T HQP2-3115P-B3U2T	HQP1-3110P-ARU4T HQP1-3110P-BRU4T	HQP2-3115P-ARU4T HQP2-3115P-BRU4T
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP1-3110N-S4U2T FQP1-3110P-S4U2T	FQP2-3115N-S4U2T FQP2-3115P-S4U2T	FQP1-3110N-SRU4T FQP1-3110P-SRU4T	FQP2-3115N-SRU4T FQP2-3115P-SRU4T
		AC 2-wire	20~250V	N.O. N.C.	FQP1-3110A-A2L2T FQP1-3110A-B2L2T	FQP2-3115A-A2L2T FQP2-3115A-B2L2T	FQP1-3110A-AUL3T FQP1-3110A-BUL3T
	AC/DC 2-wire	20~250V	N.O. N.C.	FQP1-3110U-A2L2T FQP1-3110U-B2L2T	FQP2-3115U-A2L2T FQP2-3115U-B2L2T	FQP1-3110U-AUL3T FQP1-3110U-BUL3T	FQP2-3115U-AUL3T FQP2-3115U-BUL3T



30 x 45 x 12



30 x 45 x 12



30 x 50 x 7

Connection		2 m Cable		M12 Connector	2 m Cable	
Series		Q32F			Q31S	
Switching Distance Sn (mm)		Standard: 2.0			Standard: 10.0 - 15.0	
Standard	DC 2-wire 10~60V	N.O. N.C.			FQP1-3110C-A2S2T FQP1-3110C-B2S2T	FQP2-3115C-A2S2T FQP2-3115C-B2S2T
	DC 3-wire	NPN 10~30V	FQP1-3202N-A3U2F FQP1-3202N-B3U2F	FQP1-3202N-ARU4F FQP1-3202N-BRU4F	FQP1-3110N-A3S2T FQP1-3110N-B3S2T	FQP2-3115N-A3S2T FQP2-3115N-B3S2T
		PNP 10~30V	FQP1-3202P-A3U2F FQP1-3202P-B3U2F	FQP1-3202P-ARU4F FQP1-3202P-BRU4F	FQP1-3110P-A3S2T FQP1-3110P-B3S2T	FQP2-3115P-A3S2T FQP2-3115P-B3S2T
		NPN 10~55V	HQP1-3202N-A3U2F HQP1-3202N-B3U2F	HQP1-3202N-ARU4F HQP1-3202N-BRU4F	HQP1-3110N-A3S2T HQP1-3110N-B3S2T	HQP2-3115N-A3S2T HQP2-3115N-B3S2T
		PNP 10~55V	HQP1-3202P-A3U2F HQP1-3202P-B3U2F	HQP1-3202P-ARU4F HQP1-3202P-BRU4F	HQP1-3110P-A3S2T HQP1-3110P-B3S2T	HQP2-3115P-A3S2T HQP2-3115P-B3S2T
	DC 4-wire	10~30V N.O./N.C.			FQP1-3110N-S4S2T FQP1-3110P-S4S2T	FQP2-3115N-S4S2T FQP2-3115P-S4S2T
	AC 2-wire 20~250V	N.O. N.C.			FQP1-3110A-A2L2T/S FQP1-3110A-B2L2T/S	FQP2-3115A-A2L2T/S FQP2-3115A-B2L2T/S
	AC/DC 2-wire 20~250V	N.O. N.C.			FQP1-3110U-A2L2T/S FQP1-3110U-B2L2T/S	FQP2-3115U-A2L2T/S FQP2-3115U-B2L2T/S

Cuboid Plastic Housing



35 x 55 x 15



35 x 55 x 15

Connection			2 m Cable		M12 Connector		
Series			Q35				
Switching Distance Sn (mm)			Standard: 10.0 - 15.0				
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-3510C-A2U2T FQP1-3510C-B2U2T	FQP2-3515C-A2U2T FQP2-3515C-B2U2T	FQP1-3510C-ARU4T FQP1-3510C-BRU4T	FQP2-3515C-ARU4T FQP2-3515C-BRU4T	
		NPN 10~30V	N.O. N.C.	FQP1-3510N-A3U2T FQP1-3510N-B3U2T	FQP2-3515N-A3U2T FQP2-3515N-B3U2T	FQP1-3510N-ARU4T FQP1-3510N-BRU4T	FQP2-3515N-ARU4T FQP2-3515N-BRU4T
	DC 3-wire		PNP 10~30V	N.O. N.C.	FQP1-3510P-A3U2T FQP1-3510P-B3U2T	FQP2-3515P-A3U2T FQP2-3515P-B3U2T	FQP1-3510P-ARU4T FQP1-3510P-BRU4T
		NPN 10~55V	N.O. N.C.	HQP1-3510N-A3U2T HQP1-3510N-B3U2T	HQP2-3515N-A3U2T HQP2-3515N-B3U2T	HQP1-3510N-ARU4T HQP1-3510N-BRU4T	HQP2-3515N-ARU4T HQP2-3515N-BRU4T
		PNP 10~55V	N.O. N.C.	HQP1-3510P-A3U2T HQP1-3510P-B3U2T	HQP2-3515P-A3U2T HQP2-3515P-B3U2T	HQP1-3510P-ARU4T HQP1-3510P-BRU4T	HQP2-3515P-ARU4T HQP2-3515P-BRU4T
			DC 4-wire 10~30V N.O./N.C.	NPN PNP	FQP1-3510N-S4U2T FQP1-3510P-S4U2T	FQP2-3515N-S4U2T FQP2-3515P-S4U2T	FQP1-3510N-SRU4T FQP1-3510P-SRU4T
	AC 2-wire 20~250V	N.O. N.C.	FQP1-3510A-A2L2T FQP1-3510A-B2L2T	FQP2-3515A-A2L2T FQP2-3515A-B2L2T	FQP1-3510A-AUL3T FQP1-3510A-BUL3T	FQP2-3515A-AUL3T FQP2-3515A-BUL3T	
	AC/DC 2-wire 20~250V	N.O. N.C.	FQP1-3510U-A2L2T FQP1-3510U-B2L2T	FQP2-3515U-A2L2T FQP2-3515U-B2L2T	FQP1-3510U-AUL3T FQP1-3510U-BUL3T	FQP2-3515U-AUL3T FQP2-3515U-BUL3T	

Cuboid Plastic Housing



40 x 40 x 118



40 x 40 x 118



40 x 40 x 118

Connection			Terminal	M12 Connector	7/8"-16UN2A	
Series			Q40			
Switching Distance Sn (mm)			Standard: 15.0, Extended: 20.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP1-4015C-A2U FQP1-4015C-B2U	FQP1-4015C-ARU4 FQP1-4015C-BRU4	FQP1-4015C-AZU4 FQP1-4015C-BZU4
		NPN 10~30V	N.O. N.C.	FQP1-4015N-A3U FQP1-4015N-B3U	FQP1-4015N-ARU4 FQP1-4015N-BRU4	FQP1-4015N-AZU4 FQP1-4015N-BZU4
	DC 3-wire	PNP 10~30V	N.O. N.C.	FQP1-4015P-A3U FQP1-4015P-B3U	FQP1-4015P-ARU4 FQP1-4015P-BRU4	FQP1-4015P-AZU4 FQP1-4015P-BZU4
		NPN 10~55V	N.O. N.C.	HQP1-4015N-A3U HQP1-4015N-B3U	HQP1-4015N-ARU4 HQP1-4015N-BRU4	HQP1-4015N-AZU4 HQP1-4015N-BZU4
		PNP 10~55V	N.O. N.C.	HQP1-4015P-A3U HQP1-4015P-B3U	HQP1-4015P-ARU4 HQP1-4015P-BRU4	HQP1-4015P-AZU4 HQP1-4015P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP1-4015N-S4U FQP1-4015P-S4U	FQP1-4015N-SRU4 FQP1-4015P-SRU4	FQP1-4015N-SZU4 FQP1-4015P-SZU4
	AC 2-wire	20~250V	N.O. N.C.	FQP1-4015A-A2L FQP1-4015A-B2L	FQP1-4015A-AUL3 FQP1-4015A-BUL3	FQP1-4015A-AZL2 FQP1-4015A-BZL2
	AC 4-wire	20~250V	N.O./N.C.	FQP1-4015A-C4L	FQP1-4015A-CUL5	FQP1-4015A-CZL4
	AC/DC 2-wire	20~250V	N.O. N.C.	FQP1-4015U-A2L FQP1-4015U-B2L	FQP1-4015U-AUL3 FQP1-4015U-BUL3	FQP1-4015U-AZL2 FQP1-4015U-BZL2
	Extended	DC 2-wire	10~60V	N.O. N.C.	EQP1-4020C-A2U EQP1-4020C-B2U	EQP1-4020C-ARU4 EQP1-4020C-BRU4
NPN 10~30V			N.O. N.C.	EQP1-4020N-A3U EQP1-4020N-B3U	EQP1-4020N-ARU4 EQP1-4020N-BRU4	EQP1-4020N-AZU4 EQP1-4020N-BZU4
DC 3-wire		PNP 10~30V	N.O. N.C.	EQP1-4020P-A3U EQP1-4020P-B3U	EQP1-4020P-ARU4 EQP1-4020P-BRU4	EQP1-4020P-AZU4 EQP1-4020P-BZU4
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	EQP1-4020N-S4U EQP1-4020P-S4U	EQP1-4020N-SRU4 EQP1-4020P-SRU4
AC 2-wire		20~250V	N.O. N.C.	EQP1-4020A-A2L EQP1-4020A-B2L	EQP1-4020A-AUL3 EQP1-4020A-BUL3	EQP1-4020A-AZL2 EQP1-4020A-BZL2
AC 4-wire		20~250V	N.O./N.C.	EQP1-4020A-C4L	EQP1-4020A-CUL5	EQP1-4020A-CZL4
AC/DC 2-wire		20~250V	N.O. N.C.	EQP1-4020U-A2L EQP1-4020U-B2L	EQP1-4020U-AUL3 EQP1-4020U-BUL3	EQP1-4020U-AZL2 EQP1-4020U-BZL2

Cuboid Plastic Housing



40 x 40 x 118



40 x 40 x 118



40 x 40 x 118

Connection			Terminal	M12 Connector	7/8"-16UN2A	
Series			Q40			
Switching Distance Sn (mm)			Standard: 20.0, Extended: 30.0, Long: 40.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP2-4020C-A2U FQP2-4020C-B2U	FQP2-4020C-ARU4 FQP2-4020C-BRU4	FQP2-4020C-AZU4 FQP2-4020C-BZU4
		NPN 10~30V	N.O. N.C.	FQP2-4020N-A3U FQP2-4020N-B3U	FQP2-4020N-ARU4 FQP2-4020N-BRU4	FQP2-4020N-AZU4 FQP2-4020N-BZU4
	DC 3-wire	PNP 10~30V	N.O. N.C.	FQP2-4020P-A3U FQP2-4020P-B3U	FQP2-4020P-ARU4 FQP2-4020P-BRU4	FQP2-4020P-AZU4 FQP2-4020P-BZU4
		NPN 10~55V	N.O. N.C.	HQP2-4020N-A3U HQP2-4020N-B3U	HQP2-4020N-ARU4 HQP2-4020N-BRU4	HQP2-4020N-AZU4 HQP2-4020N-BZU4
		PNP 10~55V	N.O. N.C.	HQP2-4020P-A3U HQP2-4020P-B3U	HQP2-4020P-ARU4 HQP2-4020P-BRU4	HQP2-4020P-AZU4 HQP2-4020P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP2-4020N-S4U FQP2-4020P-S4U	FQP2-4020N-SRU4 FQP2-4020P-SRU4	FQP2-4020N-SZU4 FQP2-4020P-SZU4
	AC 2-wire	20~250V	N.O. N.C.	FQP2-4020A-A2L FQP2-4020A-B2L	FQP2-4020A-AUL3 FQP2-4020A-BUL3	FQP2-4020A-AZL2 FQP2-4020A-BZL2
	AC 4-wire	20~250V	N.O./N.C.	FQP2-4020A-C4L	FQP2-4020A-CUL5	FQP2-4020A-CZL4
	AC/DC 2-wire	20~250V	N.O. N.C.	FQP2-4020U-A2L FQP2-4020U-B2L	FQP2-4020U-AUL3 FQP2-4020U-BUL3	FQP2-4020U-AZL2 FQP2-4020U-BZL2
	Extended	DC 2-wire	10~60V	N.O. N.C.	EQP2-4030C-A2U EQP2-4030C-B2U	EQP2-4030C-ARU4 EQP2-4030C-BRU4
DC 3-wire		NPN 10~30V	N.O. N.C.	EQP2-4030N-A3U EQP2-4030N-B3U	EQP2-4030N-ARU4 EQP2-4030N-BRU4	EQP2-4030N-AZU4 EQP2-4030N-BZU4
		PNP 10~30V	N.O. N.C.	EQP2-4030P-A3U EQP2-4030P-B3U	EQP2-4030P-ARU4 EQP2-4030P-BRU4	EQP2-4030P-AZU4 EQP2-4030P-BZU4
DC 4-wire		10~30V N.O./N.C.	NPN PNP	EQP2-4030N-S4U EQP2-4030P-S4U	EQP2-4030N-SRU4 EQP2-4030P-SRU4	EQP2-4030N-SZU4 EQP2-4030P-SZU4
AC 2-wire		20~250V	N.O. N.C.	EQP2-4030A-A2L EQP2-4030A-B2L	EQP2-4030A-AUL3 EQP2-4030A-BUL3	EQP2-4030A-AZL2 EQP2-4030A-BZL2
AC 4-wire		20~250V	N.O./N.C.	EQP2-4030A-C4L	EQP2-4030A-CUL5	EQP2-4030A-CZL4
AC/DC 2-wire		20~250V	N.O. N.C.	EQP2-4030U-A2L EQP2-4030U-B2L	EQP2-4030U-AUL3 EQP2-4030U-BUL3	EQP2-4030U-AZL2 EQP2-4030U-BZL2
Long	DC 2-wire	10~60V	N.O. N.C.	LQP2-4040C-A2U LQP2-4040C-B2U	LQP2-4040C-ARU4 LQP2-4040C-BRU4	LQP2-4040C-AZU4 LQP2-4040C-BZU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	LQP2-4040N-A3U LQP2-4040N-B3U	LQP2-4040N-ARU4 LQP2-4040N-BRU4	LQP2-4040N-AZU4 LQP2-4040N-BZU4
		PNP 10~30V	N.O. N.C.	LQP2-4040P-A3U LQP2-4040P-B3U	LQP2-4040P-ARU4 LQP2-4040P-BRU4	LQP2-4040P-AZU4 LQP2-4040P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	LQP2-4040N-S4U LQP2-4040P-S4U	LQP2-4040N-SRU4 LQP2-4040P-SRU4	LQP2-4040N-SZU4 LQP2-4040P-SZU4

Cuboid Plastic Housing



40 x 40 x 65

Connection		M12 Connector		1/2"-20UNF	7/8"-16UN2A
Series		Q40s			
Switching Distance Sn (mm)		Standard: 15.0, Extended: 20.0			
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-4015C-ARS4 FQP1-4015C-BRS4		FQP1-4015C-AZS4 FQP1-4015C-BZS4
	DC 3-wire	NPN 10~30V	FQP1-4015N-ARS4 FQP1-4015N-BRS4		FQP1-4015N-AZS4 FQP1-4015N-BZS4
		PNP 10~30V	FQP1-4015P-ARS4 FQP1-4015P-BRS4		FQP1-4015P-AZS4 FQP1-4015P-BZS4
	DC 3-wire	NPN 10~55V	HQP1-4015N-ARS4 HQP1-4015N-BRS4		HQP1-4015N-AZS4 HQP1-4015N-BZS4
		PNP 10~55V	HQP1-4015P-ARS4 HQP1-4015P-BRS4		HQP1-4015P-AZS4 HQP1-4015P-BZS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP1-4015N-SRS4 FQP1-4015P-SRS4	FQP1-4015N-SZS4 FQP1-4015P-SZS4
	AC 2-wire 20~250V	N.O. N.C.		FQP1-4015A-AUL3/S FQP1-4015A-BUL3/S	FQP1-4015A-AZL2/S FQP1-4015A-BZL2/S
	AC 4-wire 20~250V	N.O./N.C.			FQP1-4015A-CZL4/S
	AC 5-wire 20~250V	N.O./N.C.		FQP1-4015A-CUL5/S	
	AC/DC 2-wire 20~250V	N.O. N.C.		FQP1-4015U-AUL3/S FQP1-4015U-BUL3/S	FQP1-4015U-AZL2/S FQP1-4015U-BZL2/S
Extended	DC 2-wire 10~60V	N.O. N.C.	EQP1-4020C-ARS4 EQP1-4020C-BRS4		EQP1-4020C-AZS4 EQP1-4020C-BZS4
	DC 3-wire	NPN 10~30V	EQP1-4020N-ARS4 EQP1-4020N-BRS4		EQP1-4020N-AZS4 EQP1-4020N-BZS4
		PNP 10~30V	EQP1-4020P-ARS4 EQP1-4020P-BRS4		EQP1-4020P-AZS4 EQP1-4020P-BZS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	EQP1-4020N-SRS4 EQP1-4020P-SRS4	EQP1-4020N-SZS4 EQP1-4020P-SZS4

Cuboid Plastic Housing



40 x 40 x 65

Connection			M12 Connector	1/2"-20UNF	7/8"-16UN2A
Series			Q40s		
Switching Distance Sn (mm)			Standard: 20.0, Extended: 30.0		
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP2-4020C-ARS4 FQP2-4020C-BRS4		FQP2-4020C-AZS4 FQP2-4020C-BZS4
	NPN 10~30V	N.O. N.C.	FQP2-4020N-ARS4 FQP2-4020N-BRS4		FQP2-4020N-AZS4 FQP2-4020N-BZS4
		PNP 10~30V	FQP2-4020P-ARS4 FQP2-4020P-BRS4		FQP2-4020P-AZS4 FQP2-4020P-BZS4
	DC 3-wire	NPN 10~55V	HQP2-4020N-ARS4 HQP2-4020N-BRS4		HQP2-4020N-AZS4 HQP2-4020N-BZS4
		PNP 10~55V	HQP2-4020P-ARS4 HQP2-4020P-BRS4		HQP2-4020P-AZS4 HQP2-4020P-BZS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP2-4020N-SRS4 FQP2-4020P-SRS4	FQP2-4020N-SZS4 FQP2-4020P-SZS4
	AC 2-wire 20~250V	N.O. N.C.		FQP2-4020A-AUL3/S FQP2-4020A-BUL3/S	FQP2-4020A-AZL2/S FQP2-4020A-BZL2/S
	AC 4-wire 20~250V	N.O./N.C.			FQP2-4020A-CZL4/S
	AC 5-wire 20~250V	N.O./N.C.		FQP2-4020A-CUL5/S	
	AC/DC 2-wire 20~250V	N.O. N.C.		FQP2-4020U-AUL3/S FQP2-4020U-BUL3/S	FQP2-4020U-AZL2/S FQP2-4020U-BZL2/S
Extended	DC 2-wire 10~60V	N.O. N.C.	EQP2-4030C-ARS4 EQP2-4030C-BRS4		EQP2-4030C-AZS4 EQP2-4030C-BZS4
	NPN 10~30V	N.O. N.C.	EQP2-4030N-ARS4 EQP2-4030N-BRS4		EQP2-4030N-AZS4 EQP2-4030N-BZS4
		PNP 10~30V	EQP2-4030P-ARS4 EQP2-4030P-BRS4		EQP2-4030P-AZS4 EQP2-4030P-BZS4
	DC 3-wire				
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	EQP2-4030N-SRS4 EQP2-4030P-SRS4	EQP2-4030N-SZS4 EQP2-4030P-SZS4
	AC 2-wire 20~250V	N.O. N.C.		EQP2-4030A-AUL3/S EQP2-4030A-BUL3/S	EQP2-4030A-AZL2/S EQP2-4030A-BZL2/S
	AC 4-wire 20~250V	N.O./N.C.			EQP2-4030A-CZL4/S
	AC 5-wire 20~250V	N.O./N.C.		EQP2-4030A-CUL5/S	
	AC/DC 2-wire 20~250V	N.O. N.C.		EQP2-4030U-AUL3/S EQP2-4030U-BUL3/S	EQP2-4030U-AZL2/S EQP2-4030U-BZL2/S

Cuboid Plastic Housing



40 x 40 x 65

Connection			M12 Connector		7/8"-16UN2A	
Series			Q40s			
Switching Distance Sn (mm)			Long: 40.0			
Long	DC 2-wire	10~60V	N.O. N.C.	LQP2-4040C-ARS4 LQP2-4040C-BRS4		LQP2-4040C-AZS4 LQP2-4040C-BZS4
	DC 3-wire	NPN 10~30V	N.O. N.C.	LQP2-4040N-ARS4 LQP2-4040N-BRS4		LQP2-4040N-AZS4 LQP2-4040N-BZS4
		PNP 10~30V	N.O. N.C.	LQP2-4040P-ARS4 LQP2-4040P-BRS4		LQP2-4040P-AZS4 LQP2-4040P-BZS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	LQP2-4040N-SRS4 LQP2-4040P-SRS4		LQP2-4040N-SZS4 LQP2-4040P-SZS4

Cuboid Plastic Housing



40 x 50 x 17



40 x 50 x 17

Connection			2 m Cable		M12 Connector			
Series			Q41					
Switching Distance Sn (mm)			Standard: 15.0 - 30.0					
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP1-4115C-A2U2T FQP1-4115C-B2U2T	FQP2-4130C-A2U2T FQP2-4130C-B2U2T	FQP1-4115C-ARU4T FQP1-4115C-BRU4T	FQP2-4130C-ARU4T FQP2-4130C-BRU4T	
		NPN	10~30V	N.O. N.C.	FQP1-4115N-A3U2T FQP1-4115N-B3U2T	FQP2-4130N-A3U2T FQP2-4130N-B3U2T	FQP1-4115N-ARU4T FQP1-4115N-BRU4T	FQP2-4130N-ARU4T FQP2-4130N-BRU4T
			PNP	10~30V	N.O. N.C.	FQP1-4115P-A3U2T FQP1-4115P-B3U2T	FQP2-4130P-A3U2T FQP2-4130P-B3U2T	FQP1-4115P-ARU4T FQP1-4115P-BRU4T
	DC 3-wire	NPN	10~55V	N.O. N.C.	HQP1-4115N-A3U2T HQP1-4115N-B3U2T	HQP2-4130N-A3U2T HQP2-4130N-B3U2T	HQP1-4115N-ARU4T HQP1-4115N-BRU4T	HQP2-4130N-ARU4T HQP2-4130N-BRU4T
			PNP	10~55V	N.O. N.C.	HQP1-4115P-A3U2T HQP1-4115P-B3U2T	HQP2-4130P-A3U2T HQP2-4130P-B3U2T	HQP1-4115P-ARU4T HQP1-4115P-BRU4T
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP1-4115N-S4U2T FQP1-4115P-S4U2T	FQP2-4130N-S4U2T FQP2-4130P-S4U2T	FQP1-4115N-SRU4T FQP1-4115P-SRU4T	FQP2-4130N-SRU4T FQP2-4130P-SRU4T	
				AC 2-wire	20~250V	N.O. N.C.	FQP1-4115A-A2L2T FQP1-4115A-B2L2T	FQP2-4130A-A2L2T FQP2-4130A-B2L2T
	AC/DC 2-wire		20~250V	N.O. N.C.	FQP1-4115U-A2L2T FQP1-4115U-B2L2T	FQP2-4130U-A2L2T FQP2-4130U-B2L2T	FQP1-4115U-AUL3T FQP1-4115U-BUL3T	FQP2-4130U-AUL3T FQP2-4130U-BUL3T



40 x 50 x 17



40 x 50 x 17



40 x 74 x 20



40 x 74 x 20

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			Q42F		Q42		
Switching Distance Sn (mm)			Standard: 5.0		Standard: 15.0, Long: 30.0		
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FQP1-4205N-A3U2F FQP1-4205N-B3U2F	FQP1-4205N-ARU4F FQP1-4205N-BRU4F	FQP1-2015N-A3U2T FQP1-2015N-B3U2T	FQP1-2015N-ARU4T FQP1-2015N-BRU4T
		PNP 10~30V	N.O. N.C.	FQP1-4205P-A3U2F FQP1-4205P-B3U2F	FQP1-4205P-ARU4F FQP1-4205P-BRU4F	FQP1-2015P-A3U2T FQP1-2015P-B3U2T	FQP1-2015P-ARU4T FQP1-2015P-BRU4T
		NPN 10~55V	N.O. N.C.	HQP1-4205N-A3U2F HQP1-4205N-B3U2F	HQP1-4205N-ARU4F HQP1-4205N-BRU4F		
		PNP 10~55V	N.O. N.C.	HQP1-4205P-A3U2F HQP1-4205P-B3U2F	HQP1-4205P-ARU4F HQP1-4205P-BRU4F		
	AC 2-wire 20~250V		N.O. N.C.		FQP1-2015A-A2L2T FQP1-2015A-B2L2T	FQP1-2015A-AUL3T FQP1-2015A-BUL3T	
	AC/DC 2-wire 20~250V		N.O. N.C.		FQP1-2015U-A2L2T FQP1-2015U-B2L2T	FQP1-2015U-AUL3T FQP1-2015U-BUL3T	
	DC 3-wire	NPN 10~30V	N.O. N.C.			LQP1-2030N-A3U2T LQP1-2030N-B3U2T	LQP1-2030N-ARU4T LQP1-2030N-BRU4T
		PNP 10~30V	N.O. N.C.			LQP1-2030P-A3U2T LQP1-2030P-B3U2T	LQP1-2030P-ARU4T LQP1-2030P-BRU4T

Cuboid Plastic Housing



40 x 40 x 53



40 x 40 x 53

Connection			2 m Cable		M12 Connector		
Series			Q45 (Front Sensing)				
Switching Distance Sn (mm)			Standard: 15.0 - 30.0				
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-4515C-A2U2F FQP1-4515C-B2U2F	FQP2-4530C-A2U2F FQP2-4530C-B2U2F	FQP1-4515C-ARU4F FQP1-4515C-BRU4F	FQP2-4530C-ARU4F FQP2-4530C-BRU4F	
		NPN 10~30V	N.O. N.C.	FQP1-4515N-A3U2F FQP1-4515N-B3U2F	FQP2-4530N-A3U2F FQP2-4530N-B3U2F	FQP1-4515N-ARU4F FQP1-4515N-BRU4F	FQP2-4530N-ARU4F FQP2-4530N-BRU4F
	DC 3-wire	PNP 10~30V	N.O. N.C.	FQP1-4515P-A3U2F FQP1-4515P-B3U2F	FQP2-4530P-A3U2F FQP2-4530P-B3U2F	FQP1-4515P-ARU4F FQP1-4515P-BRU4F	FQP2-4530P-ARU4F FQP2-4530P-BRU4F
		NPN 10~55V	N.O. N.C.	HQP1-4515N-A3U2F HQP1-4515N-B3U2F	HQP2-4530N-A3U2F HQP2-4530N-B3U2F	HQP1-4515N-ARU4F HQP1-4515N-BRU4F	HQP2-4530N-ARU4F HQP2-4530N-BRU4F
		PNP 10~55V	N.O. N.C.	HQP1-4515P-A3U2F HQP1-4515P-B3U2F	HQP2-4530P-A3U2F HQP2-4530P-B3U2F	HQP1-4515P-ARU4F HQP1-4515P-BRU4F	HQP2-4530P-ARU4F HQP2-4530P-BRU4F
		DC 4-wire 10~30V N.O./N.C.	NPN PNP	FQP1-4515N-S4U2F FQP1-4515P-S4U2F	FQP2-4530N-S4U2F FQP2-4530P-S4U2F	FQP1-4515N-SRU4F FQP1-4515P-SRU4F	FQP2-4530N-SRU4F FQP2-4530P-SRU4F
	AC 2-wire 20~250V	N.O. N.C.	FQP1-4515A-A2L2F FQP1-4515A-B2L2F	FQP2-4530A-A2L2F FQP2-4530A-B2L2F	FQP1-4515A-AUL3F FQP1-4515A-BUL3F	FQP2-4530A-AUL3F FQP2-4530A-BUL3F	
	AC/DC 2-wire 20~250V	N.O. N.C.	FQP1-4515U-A2L2F FQP1-4515U-B2L2F	FQP2-4530U-A2L2F FQP2-4530U-B2L2F	FQP1-4515U-AUL3F FQP1-4515U-BUL3F	FQP2-4530U-AUL3F FQP2-4530U-BUL3F	



40 x 40 x 53



40 x 40 x 53

Connection			2 m Cable		M12 Connector		
Series			Q45 (Top Sensing)				
Switching Distance Sn (mm)			Standard: 15.0 - 30.0				
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-4515C-A2U2T FQP1-4515C-B2U2T	FQP2-4530C-A2U2T FQP2-4530C-B2U2T	FQP1-4515C-ARU4T FQP1-4515C-BRU4T	FQP2-4530C-ARU4T FQP2-4530C-BRU4T	
	DC 3-wire	NPN 10~30V	N.O. N.C.	FQP1-4515N-A3U2T FQP1-4515N-B3U2T	FQP2-4530N-A3U2T FQP2-4530N-B3U2T	FQP1-4515N-ARU4T FQP1-4515N-BRU4T	FQP2-4530N-ARU4T FQP2-4530N-BRU4T
		PNP 10~30V	N.O. N.C.	FQP1-4515P-A3U2T FQP1-4515P-B3U2T	FQP2-4530P-A3U2T FQP2-4530P-B3U2T	FQP1-4515P-ARU4T FQP1-4515P-BRU4T	FQP2-4530P-ARU4T FQP2-4530P-BRU4T
		NPN 10~55V	N.O. N.C.	HQP1-4515N-A3U2T HQP1-4515N-B3U2T	HQP2-4530N-A3U2T HQP2-4530N-B3U2T	HQP1-4515N-ARU4T HQP1-4515N-BRU4T	HQP2-4530N-ARU4T HQP2-4530N-BRU4T
		PNP 10~55V	N.O. N.C.	HQP1-4515P-A3U2T HQP1-4515P-B3U2T	HQP2-4530P-A3U2T HQP2-4530P-B3U2T	HQP1-4515P-ARU4T HQP1-4515P-BRU4T	HQP2-4530P-ARU4T HQP2-4530P-BRU4T
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP1-4515N-S4U2T FQP1-4515P-S4U2T	FQP2-4530N-S4U2T FQP2-4530P-S4U2T	FQP1-4515N-SRU4T FQP1-4515P-SRU4T	FQP2-4530N-SRU4T FQP2-4530P-SRU4T
	AC 2-wire	20~250V	N.O. N.C.	FQP1-4515A-A2L2T FQP1-4515A-B2L2T	FQP2-4530A-A2L2T FQP2-4530A-B2L2T	FQP1-4515A-AUL3T FQP1-4515A-BUL3T	FQP2-4530A-AUL3T FQP2-4530A-BUL3T
	AC/DC 2-wire	20~250V	N.O. N.C.	FQP1-4515U-A2L2T FQP1-4515U-B2L2T	FQP2-4530U-A2L2T FQP2-4530U-B2L2T	FQP1-4515U-AUL3T FQP1-4515U-BUL3T	FQP2-4530U-AUL3T FQP2-4530U-BUL3T

Cuboid Plastic Housing



50 x 50 x 128



50 x 50 x 128



50 x 50 x 128

Connection			Terminal	M12 Connector	7/8"-16UN2A
Series			Q50		
Switching Distance Sn (mm)			Standard: 40.0, Long: 50.0		
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP2-5040C-A2U FQP2-5040C-B2U	FQP2-5040C-ARU4 FQP2-5040C-BRU4	FQP2-5040C-AZU4 FQP2-5040C-BZU4
	NPN 10~30V	N.O. N.C.	FQP2-5040N-A3U FQP2-5040N-B3U	FQP2-5040N-ARU4 FQP2-5040N-BRU4	FQP2-5040N-AZU4 FQP2-5040N-BZU4
		PNP 10~30V	FQP2-5040P-A3U FQP2-5040P-B3U	FQP2-5040P-ARU4 FQP2-5040P-BRU4	FQP2-5040P-AZU4 FQP2-5040P-BZU4
	DC 3-wire	NPN 10~55V	HQP2-5040N-A3U HQP2-5040N-B3U	HQP2-5040N-ARU4 HQP2-5040N-BRU4	HQP2-5040N-AZU4 HQP2-5040N-BZU4
		PNP 10~55V	HQP2-5040P-A3U HQP2-5040P-B3U	HQP2-5040P-ARU4 HQP2-5040P-BRU4	HQP2-5040P-AZU4 HQP2-5040P-BZU4
		DC 4-wire 10~30V N.O./N.C.	FQP2-5040N-S4U FQP2-5040P-S4U	FQP2-5040N-SRU4 FQP2-5040P-SRU4	FQP2-5040N-SZU4 FQP2-5040P-SZU4
	AC 2-wire 20~250V	N.O. N.C.	FQP2-5040A-A2L FQP2-5040A-B2L	FQP2-5040A-AUL3 FQP2-5040A-BUL3	FQP2-5040A-AZL2 FQP2-5040A-BZL2
	AC 4-wire 20~250V	N.O./N.C.	FQP2-5040A-C4L	FQP2-5040A-CUL5	FQP2-5040A-CZL4
	AC/DC 2-wire 20~250V	N.O. N.C.	FQP2-5040U-A2L FQP2-5040U-B2L	FQP2-5040U-AUL3 FQP2-5040U-BUL3	FQP2-5040U-AZL2 FQP2-5040U-BZL2
	DC 2-wire 10~60V	N.O. N.C.	LQP2-5050C-A2U LQP2-5050C-B2U	LQP2-5050C-ARU4 LQP2-5050C-BRU4	LQP2-5050C-AZU4 LQP2-5050C-BZU4
Long	NPN 10~30V	N.O. N.C.	LQP2-5050N-A3U LQP2-5050N-B3U	LQP2-5050N-ARU4 LQP2-5050N-BRU4	LQP2-5050N-AZU4 LQP2-5050N-BZU4
		PNP 10~30V	LQP2-5050P-A3U LQP2-5050P-B3U	LQP2-5050P-ARU4 LQP2-5050P-BRU4	LQP2-5050P-AZU4 LQP2-5050P-BZU4
	DC 4-wire 10~30V N.O./N.C.	NPN PNP	LQP2-5050N-S4U LQP2-5050P-S4U	LQP2-5050N-SRU4 LQP2-5050P-SRU4	LQP2-5050N-SZU4 LQP2-5050P-SZU4
	AC 2-wire 20~250V	N.O. N.C.	LQP2-5050A-A2L LQP2-5050A-B2L	LQP2-5050A-AUL3 LQP2-5050A-BUL3	LQP2-5050A-AZL2 LQP2-5050A-BZL2

Cuboid Plastic Housing



50 x 50 x 42



50 x 50 x 42



60 x 60 x 44



60 x 60 x 44

Connection			M12 Connector		7/8"-16UN2A		M12 Connector		7/8"-16UN2A		
Series			Q50S					Q60S			
Switching Distance Sn (mm)			Standard: 20.0					Standard: 30.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP2-5020C-ARS4T FQP2-5020C-BRS4T	FQP2-5020C-AZS4T FQP2-5020C-BZS4T	FQP2-6030C-ARS4T FQP2-6030C-BRS4T	FQP2-6030C-AZS4T FQP2-6030C-BZS4T				
		DC 3-wire	NPN 10~30V	N.O. N.C.	FQP2-5020N-ARS4T FQP2-5020N-BRS4T	FQP2-5020N-AZS4T FQP2-5020N-BZS4T	FQP2-6030N-ARS4T FQP2-6030N-BRS4T	FQP2-6030N-AZS4T FQP2-6030N-BZS4T			
	PNP 10~30V		N.O. N.C.	FQP2-5020P-ARS4T FQP2-5020P-BRS4T	FQP2-5020P-AZS4T FQP2-5020P-BZS4T	FQP2-6030P-ARS4T FQP2-6030P-BRS4T	FQP2-6030P-AZS4T FQP2-6030P-BZS4T				
	NPN 10~55V		N.O. N.C.	HQP2-5020N-ARS4T HQP2-5020N-BRS4T	HQP2-5020N-AZS4T HQP2-5020N-BZS4T	HQP2-6030N-ARS4T HQP2-6030N-BRS4T	HQP2-6030N-AZS4T HQP2-6030N-BZS4T				
	PNP 10~55V		N.O. N.C.	HQP2-5020P-ARS4T HQP2-5020P-BRS4T	HQP2-5020P-AZS4T HQP2-5020P-BZS4T	HQP2-6030P-ARS4T HQP2-6030P-BRS4T	HQP2-6030P-AZS4T HQP2-6030P-BZS4T				
	DC 4-wire		10~30V N.O./N.C.	NPN PNP	FQP2-5020N-SRS4T FQP2-5020P-SRS4T	FQP2-5020N-SZS4T FQP2-5020P-SZS4T	FQP2-6030N-SRS4T FQP2-6030P-SRS4T	FQP2-6030N-SZS4T FQP2-6030P-SZS4T			
		AC 2-wire	20~250V	N.O. N.C.	FQP2-5020A-AUL3T/S FQP2-5020A-BUL3T/S	FQP2-5020A-AZL2T/S FQP2-5020A-BZL2T/S	FQP2-6030A-AUL3T/S FQP2-6030A-BUL3T/S	FQP2-6030A-AZL2T/S FQP2-6030A-BZL2T/S			
	AC 4-wire	20~250V	N.O./N.C.	FQP2-5020A-CUL5T/S	FQP2-5020A-CZL4T/S	FQP2-6030A-CUL5T/S	FQP2-6030A-CZL4T/S				
	AC/DC 2-wire	20~250V	N.O. N.C.	FQP2-5020U-AUL3T/S FQP2-5020U-BUL3T/S	FQP2-5020U-AZL2T/S FQP2-5020U-BZL2T/S	FQP2-6030U-AUL3T/S FQP2-6030U-BUL3T/S	FQP2-6030U-AZL2T/S FQP2-6030U-BZL2T/S				

Cuboid Plastic Housing



80 x 80 x 40



80 x 80 x 40



80 x 80 x 40

Connection			Terminal	M12 Connector	7/8"-16UN2A
Series			Q80		
Switching Distance Sn (mm)			Standard: 40.0		
Standard	DC 2-wire 10~60V	N.O. N.C.	FQP1-8040C-A2UT FQP1-8040C-B2UT	FQP1-8040C-ARU4T FQP1-8040C-BRU4T	FQP1-8040C-AZU4T FQP1-8040C-BZU4T
	NPN 10~30V	N.O. N.C.	FQP1-8040N-A3UT FQP1-8040N-B3UT	FQP1-8040N-ARU4T FQP1-8040N-BRU4T	FQP1-8040N-AZU4T FQP1-8040N-BZU4T
		PNP 10~30V	FQP1-8040P-A3UT FQP1-8040P-B3UT	FQP1-8040P-ARU4T FQP1-8040P-BRU4T	FQP1-8040P-AZU4T FQP1-8040P-BZU4T
		DC 3-wire			
	NPN 10~55V	N.O. N.C.	HQP1-8040N-A3UT HQP1-8040N-B3UT	HQP1-8040N-ARU4T HQP1-8040N-BRU4T	HQP1-8040N-AZU4T HQP1-8040N-BZU4T
		PNP 10~55V	HQP1-8040P-A3UT HQP1-8040P-B3UT	HQP1-8040P-ARU4T HQP1-8040P-BRU4T	HQP1-8040P-AZU4T HQP1-8040P-BZU4T
	DC 4-wire 10~30V N.O./N.C.	NPN PNP	FQP1-8040N-S4UT FQP1-8040P-S4UT	FQP1-8040N-SRU4T FQP1-8040P-SRU4T	FQP1-8040N-SZU4T FQP1-8040P-SZU4T
	AC 2-wire 20~250V	N.O. N.C.	FQP1-8040A-A2LT FQP1-8040A-B2LT	FQP1-8040A-AUL3T FQP1-8040A-BUL3T	FQP1-8040A-AZL2T FQP1-8040A-BZL2T
	AC 4-wire 20~250V	N.O./N.C.	FQP1-8040A-C4LT	FQP1-8040A-CUL5T	FQP1-8040A-CZL4T
	AC/DC 2-wire 20~250V	N.O. N.C.	FQP1-8040U-A2LT FQP1-8040U-B2LT	FQP1-8040U-AUL3T FQP1-8040U-BUL3T	FQP1-8040U-AZL2T FQP1-8040U-BZL2T

Cuboid Plastic Housing



80 x 80 x 40



80 x 80 x 40



80 x 80 x 40

Connection			Terminal	M12 Connector	7/8"-16UN2A		
Series			Q80				
Switching Distance Sn (mm)			Standard: 50.0, Long: 100.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FQP2-8050C-A2UT FQP2-8050C-B2UT	FQP2-8050C-ARU4T FQP2-8050C-BRU4T	FQP2-8050C-AZU4T FQP2-8050C-BZU4T	
		NPN	10~30V	N.O. N.C.	FQP2-8050N-A3UT FQP2-8050N-B3UT	FQP2-8050N-ARU4T FQP2-8050N-BRU4T	FQP2-8050N-AZU4T FQP2-8050N-BZU4T
			PNP	10~30V	N.O. N.C.	FQP2-8050P-A3UT FQP2-8050P-B3UT	FQP2-8050P-ARU4T FQP2-8050P-BRU4T
	DC 3-wire	NPN	10~55V	N.O. N.C.	HQP2-8050N-A3UT HQP2-8050N-B3UT	HQP2-8050N-ARU4T HQP2-8050N-BRU4T	HQP2-8050N-AZU4T HQP2-8050N-BZU4T
			PNP	10~55V	N.O. N.C.	HQP2-8050P-A3UT HQP2-8050P-B3UT	HQP2-8050P-ARU4T HQP2-8050P-BRU4T
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FQP2-8050N-S4UT FQP2-8050P-S4UT	FQP2-8050N-SRU4T FQP2-8050P-SRU4T	FQP2-8050N-SZU4T FQP2-8050P-SZU4T
	AC 2-wire	20~250V	N.O. N.C.	FQP2-8050A-A2LT FQP2-8050A-B2LT	FQP2-8050A-AUL3T FQP2-8050A-BUL3T	FQP2-8050A-AZL2T FQP2-8050A-BZL2T	
	AC 4-wire	20~250V	N.O./N.C.	FQP2-8050A-C4LT	FQP2-8050A-CUL5T	FQP2-8050A-CZL4T	
	AC/DC 2-wire	20~250V	N.O. N.C.	FQP2-8050U-A2LT FQP2-8050U-B2LT	FQP2-8050U-AUL3T FQP2-8050U-BUL3T	FQP2-8050U-AZL2T FQP2-8050U-BZL2T	
	Long	DC 4-wire	10~30V N.O./N.C.	NPN PNP	LQP2-80100N-S4UT LQP2-80100P-S4UT	LQP2-80100N-SRU4T LQP2-80100P-SRU4T	LQP2-80100N-SZU4T LQP2-80100P-SZU4T

MPS Series



6 x 6 x 19



6 x 6 x 19



8 x 8 x 23



8 x 8 x 20

Connection	2 m Cable	2 m Cable	2 m Cable	2 m Cable
Series	MPS-6 (Front Sensing)	MPS-6 (Top Sensing)	MPS-8 (Front Sensing)	MPS-8 (Top Sensing)
Switching Distance Sn (mm)	Standard: 1.2 - 1.5, Long: 2.5			

Standard	DC 2-wire	10~60V	N.O. N.C.	MQP2-661.2C-A2U2F MQP2-661.2C-B2U2F	MQP2-661.2C-A2U2T MQP2-661.2C-B2U2T	MQP2-881.5C-A2U2F MQP2-881.5C-B2U2F	MQP2-881.5C-A2U2T MQP2-881.5C-B2U2T
		NPN 10~30V	N.O. N.C.	MQP2-661.2N-A3U2F MQP2-661.2N-B3U2F	MQP2-661.2N-A3U2T MQP2-661.2N-B3U2T	MQP2-881.5N-A3U2F MQP2-881.5N-B3U2F	MQP2-881.5N-A3U2T MQP2-881.5N-B3U2T
	DC 3-wire	PNP 10~30V	N.O. N.C.	MQP2-661.2P-A3U2F MQP2-661.2P-B3U2F	MQP2-661.2P-A3U2T MQP2-661.2P-B3U2T	MQP2-881.5P-A3U2F MQP2-881.5P-B3U2F	MQP2-881.5P-A3U2T MQP2-881.5P-B3U2T
		NPN 5~36V	N.O. N.C.			IQP2-881.5N-A3U2F IQP2-881.5N-B3U2F	IQP2-881.5N-A3U2T IQP2-881.5N-B3U2T
		PNP 5~36V	N.O. N.C.			IQP2-881.5P-A3U2F IQP2-881.5P-B3U2F	IQP2-881.5P-A3U2T IQP2-881.5P-B3U2T
	DC 2-wire	10~60V	N.O. N.C.			LQP2-882.5C-A2U2F LQP2-882.5C-B2U2F	LQP2-882.5C-A2U2T LQP2-882.5C-B2U2T
		NPN 10~30V	N.O. N.C.			LQP2-882.5N-A3U2F LQP2-882.5N-B3U2F	LQP2-882.5N-A3U2T LQP2-882.5N-B3U2T
		PNP 10~30V	N.O. N.C.			LQP2-882.5P-A3U2F LQP2-882.5P-B3U2F	LQP2-882.5P-A3U2T LQP2-882.5P-B3U2T
	DC 3-wire						



10 x 6 x 27



12 x 7 x 27



15 x 15 x 30



15 x 8 x 32

Connection	2 m Cable	2 m Cable	2 m Cable	2 m Cable
Series	MPS-10 (Top Sensing)	MPS-12 (Top Sensing)	MPS-15 (Front Sensing)	MPS-15 (Top Sensing)
Switching Distance Sn (mm)	Standard: 2.0 - 4.0, Long: 3.0 - 6.4			

Standard	DC 2-wire	10~60V	N.O. N.C.	MQP2-1002C-A2U2T MQP2-1002C-B2U2T	MQP2-1202C-A2U2T MQP2-1202C-B2U2T	MQP2-1504C-A2U2F MQP2-1504C-B2U2F	MQP2-1504C-A2U2T MQP2-1504C-B2U2T
		NPN 10~30V	N.O. N.C.	MQP2-1002N-A3U2T MQP2-1002N-B3U2T	MQP2-1202N-A3U2T MQP2-1202N-B3U2T	MQP2-1504N-A3U2F MQP2-1504N-B3U2F	MQP2-1504N-A3U2T MQP2-1504N-B3U2T
	DC 3-wire	PNP 10~30V	N.O. N.C.	MQP2-1002P-A3U2T MQP2-1002P-B3U2T	MQP2-1202P-A3U2T MQP2-1202P-B3U2T	MQP2-1504P-A3U2F MQP2-1504P-B3U2F	MQP2-1504P-A3U2T MQP2-1504P-B3U2T
		NPN 5~36V	N.O. N.C.	IQP2-1002N-A3U2T IQP2-1002N-B3U2T	IQP2-1202N-A3U2T IQP2-1202N-B3U2T	IQP2-1504N-A3U2F IQP2-1504N-B3U2F	IQP2-1504N-A3U2T IQP2-1504N-B3U2T
		PNP 5~36V	N.O. N.C.	IQP2-1002P-A3U2T IQP2-1002P-B3U2T	IQP2-1202P-A3U2T IQP2-1202P-B3U2T	IQP2-1504P-A3U2F IQP2-1504P-B3U2F	IQP2-1504P-A3U2T IQP2-1504P-B3U2T
	DC 2-wire	10~60V	N.O. N.C.	LQP2-1003C-A2U2T LQP2-1003C-B2U2T	LQP2-1203C-A2U2T LQP2-1203C-B2U2T	LQP2-156.4C-A2U2F LQP2-156.4C-B2U2F	LQP2-156.4C-A2U2T LQP2-156.4C-B2U2T
		NPN 10~30V	N.O. N.C.	LQP2-1003N-A3U2T LQP2-1003N-B3U2T	LQP2-1203N-A3U2T LQP2-1203N-B3U2T	LQP2-156.4N-A3U2F LQP2-156.4N-B3U2F	LQP2-156.4N-A3U2T LQP2-156.4N-B3U2T
		PNP 10~30V	N.O. N.C.	LQP2-1003P-A3U2T LQP2-1003P-B3U2T	LQP2-1203P-A3U2T LQP2-1203P-B3U2T	LQP2-156.4P-A3U2F LQP2-156.4P-B3U2F	LQP2-156.4P-A3U2T LQP2-156.4P-B3U2T
	DC 3-wire						

MQS Series

(PTFE Coated Housing)



6 x 27.8 x 6



8 x 17 x 4.7



8 x 17 x 4.7



8 x 17 x 4.7



8 x 28 x 5.5

Connection	2 m Cable	2 m Cable	2 m Cable	2 m Cable	2 m Cable
Series	Q6 (Top Sensing + Metal Face)	Q8 (Top Sensing)	Q8 (Top Sensing + Metal Face)	Q8 (Top Sensing + TC4 Metal Face)	Q8 (Top Sensing)
Switching Distance Sn (mm)	Long: 3.0		Standard: 2.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.		MQM1-8802N-A3U2T MQM1-8802N-B3U2T	MQS1-8802N-A3U2T	MQT1-8802N-A3U2T	MQM1-5.502N-A3U2T MQM1-5.502N-B3U2T
		PNP 10~30V	N.O. N.C.		MQM1-8802P-A3U2T MQM1-8802P-B3U2T	MQS1-8802P-A3U2T	MQT1-8802P-A3U2T	MQM1-5.502P-A3U2T MQM1-5.502P-B3U2T
Long	DC 3-wire	PNP 10~30V	N.O.	LQS1-0603P-A3U2T				



10 x 29.2 x 6.0



12 x 29.3 x 7.1



15 x 34 x 8



20 x 32 x 8



20 x 32 x 8

Connection	2 m Cable	2 m Cable	2 m Cable	2 m Cable	M8 Connector
Series	Q10 (Top Sensing + Metal Face)	Q12 (Top Sensing + Metal Face)	Q15 (Top Sensing + Metal Face)	Q20 (Top Sensing & Metal Face)	
Switching Distance Sn (mm)	Standard: 3.0		Standard: 4.0		Standard: 5.0 , Extended: 8.0

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	MQS1-1003N-A3U2T	MQS1-1204N-A3U2T	MQS1-1504N-A3U2T	MQS1-2005N-A3U2T MQS1-2005N-B3U2T	MQS1-2005N-ACU3T MQS1-2005N-BCU3T
		PNP 10~30V	N.O.	MQS1-1003P-A3U2T	MQS1-1204P-A3U2T	MQS1-1504P-A3U2T	MQS1-2005P-A3U2T	MQS1-2005P-ACU3T
Extended	DC 3-wire	NPN 10~30V	N.O.				EQS1-2008N-A3U2T	EQS1-2008N-ACU3T
		PNP 10~30V	N.O.				EQS1-2008P-A3U2T	EQS1-2008P-ACU3T



40 x 40 x 65

Connection	M12 Connector			
Series	Q40s (5 Way Rotatable Sensing+Metal Face)			
Switching Distance Sn (mm)	Standard: 30.0			

STD	DC 4-wire	10~30V N.O./N.C.	PNP	MQS2-4030P-SRS4
-----	-----------	---------------------	-----	-----------------

Metal Face Series



			M8 x 45	M8 x 60	M8 x 70
Connection			2 m Cable	M8 Connector	M12 Connector
Series			M8		
Switching Distance Sn (mm)			Standard: 1.0, Extended: 2.0, Long: 3.0		
Standard	DC 2-wire	10~60V N.O. N.C.	FCS1-0801C-A2U2 FCS1-0801C-B2U2	FCS1-0801C-ACU3 FCS1-0801C-BCU3	FCS1-0801C-ARU4 FCS1-0801C-BRU4
	DC 3-wire	NPN 10~30V N.O. N.C.	FCS1-0801N-A3U2 FCS1-0801N-B3U2	FCS1-0801N-ACU3 FCS1-0801N-BCU3	FCS1-0801N-ARU4 FCS1-0801N-BRU4
		PNP 10~30V N.O. N.C.	FCS1-0801P-A3U2 FCS1-0801P-B3U2	FCS1-0801P-ACU3 FCS1-0801P-BCU3	FCS1-0801P-ARU4 FCS1-0801P-BRU4
		NPN 10~55V N.O. N.C.	HCS1-0801N-A3U2 HCS1-0801N-B3U2	HCS1-0801N-ACU3 HCS1-0801N-BCU3	HCS1-0801N-ARU4 HCS1-0801N-BRU4
		PNP 10~55V N.O. N.C.	HCS1-0801P-A3U2 HCS1-0801P-B3U2	HCS1-0801P-ACU3 HCS1-0801P-BCU3	HCS1-0801P-ARU4 HCS1-0801P-BRU4
		DC 4-wire 10~30V N.O./N.C.	FCS1-0801N-S4U2 FCS1-0801P-S4U2	FCS1-0801N-SCU4 FCS1-0801P-SCU4	FCS1-0801N-SRU4 FCS1-0801P-SRU4
Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V N.O. N.C.	ECS1-0802C-A2U2/3.5V	ECS1-0802C-ACU3/3.5V	ECS1-0802C-ARU4/3.5V
	DC 3-wire	10~60V N.O. N.C.	ECS1-0802C-A2U2 ECS1-0802C-B2U2	ECS1-0802C-ACU3 ECS1-0802C-BCU3	ECS1-0802C-ARU4 ECS1-0802C-BRU4
		NPN 10~30V N.O. N.C.	ECS1-0802N-A3U2 ECS1-0802N-B3U2	ECS1-0802N-ACU3 ECS1-0802N-BCU3	ECS1-0802N-ARU4 ECS1-0802N-BRU4
		PNP 10~30V N.O. N.C.	ECS1-0802P-A3U2 ECS1-0802P-B3U2	ECS1-0802P-ACU3 ECS1-0802P-BCU3	ECS1-0802P-ARU4 ECS1-0802P-BRU4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCS1-0803N-A3U2 LCS1-0803N-B3U2	LCS1-0803N-ACU3 LCS1-0803N-BCU3	LCS1-0803N-ARU4 LCS1-0803N-BRU4
		PNP 10~30V N.O. N.C.	LCS1-0803P-A3U2 LCS1-0803P-B3U2	LCS1-0803P-ACU3 LCS1-0803P-BCU3	LCS1-0803P-ARU4 LCS1-0803P-BRU4

Metal Face Series



			M8 x 45	M8 x 60	M8 x 70	
Connection			2 m Cable	M8 Connector	M12 Connector	
Series			M8			
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS2-0802C-A2U2 FCS2-0802C-B2U2	FCS2-0802C-ACU3 FCS2-0802C-BCU3	FCS2-0802C-ARU4 FCS2-0802C-BRU4
		DC 3-wire	NPN 10~30V	N.O. N.C.	FCS2-0802N-A3U2 FCS2-0802N-B3U2	FCS2-0802N-ACU3 FCS2-0802N-BCU3
	PNP 10~30V		N.O. N.C.	FCS2-0802P-A3U2 FCS2-0802P-B3U2	FCS2-0802P-ACU3 FCS2-0802P-BCU3	FCS2-0802P-ARU4 FCS2-0802P-BRU4
	NPN 10~55V		N.O. N.C.	HCS2-0802N-A3U2 HCS2-0802N-B3U2	HCS2-0802N-ACU3 HCS2-0802N-BCU3	HCS2-0802N-ARU4 HCS2-0802N-BRU4
	PNP 10~55V		N.O. N.C.	HCS2-0802P-A3U2 HCS2-0802P-B3U2	HCS2-0802P-ACU3 HCS2-0802P-BCU3	HCS2-0802P-ARU4 HCS2-0802P-BRU4
	DC 4-wire		10~30V N.O/N.C.	NPN PNP	FCS2-0802N-S4U2 FCS2-0802P-S4U2	FCS2-0802N-SCU4 FCS2-0802P-SCU4
	Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O.	ECS2-0804C-A2U2/3.5V	ECS2-0804C-ACU3/3.5V
10~60V			N.O. N.C.	ECS2-0804C-A2U2 ECS2-0804C-B2U2	ECS2-0804C-ACU3 ECS2-0804C-BCU3	ECS2-0804C-ARU4 ECS2-0804C-BRU4
DC 3-wire		NPN 10~30V	N.O. N.C.	ECS2-0804N-A3U2 ECS2-0804N-B3U2	ECS2-0804N-ACU3 ECS2-0804N-BCU3	ECS2-0804N-ARU4 ECS2-0804N-BRU4
		PNP 10~30V	N.O. N.C.	ECS2-0804P-A3U2 ECS2-0804P-B3U2	ECS2-0804P-ACU3 ECS2-0804P-BCU3	ECS2-0804P-ARU4 ECS2-0804P-BRU4

Metal Face Series



			M8 x 30	M8 x 45	M8 x 53
Connection			2 m Cable	M8 Connector	M12 Connector
Series			M8		
Switching Distance Sn (mm)			Standard: 1.0, Extended: 2.0, Long: 3.0		
Standard	DC 2-wire	10~60V N.O. N.C.	FCS1-0801C-A2S2 FCS1-0801C-B2S2	FCS1-0801C-ACS3 FCS1-0801C-BCS3	FCS1-0801C-ARS4 FCS1-0801C-BRS4
	DC 3-wire	NPN 10~30V N.O. N.C.	FCS1-0801N-A3S2 FCS1-0801N-B3S2	FCS1-0801N-ACS3 FCS1-0801N-BCS3	FCS1-0801N-ARS4 FCS1-0801N-BRS4
		PNP 10~30V N.O. N.C.	FCS1-0801P-A3S2 FCS1-0801P-B3S2	FCS1-0801P-ACS3 FCS1-0801P-BCS3	FCS1-0801P-ARS4 FCS1-0801P-BRS4
		NPN 10~55V N.O. N.C.	HCS1-0801N-A3S2 HCS1-0801N-B3S2	HCS1-0801N-ACS3 HCS1-0801N-BCS3	HCS1-0801N-ARS4 HCS1-0801N-BRS4
		PNP 10~55V N.O. N.C.	HCS1-0801P-A3S2 HCS1-0801P-B3S2	HCS1-0801P-ACS3 HCS1-0801P-BCS3	HCS1-0801P-ARS4 HCS1-0801P-BRS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS1-0801N-S4S2 FCS1-0801P-S4S2	FCS1-0801N-SCS4 FCS1-0801P-SCS4
Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V N.O. N.C.	ECS1-0802C-A2S2/3.5V	ECS1-0802C-ACS3/3.5V	ECS1-0802C-ARS4/3.5V
		10~60V N.O. N.C.	ECS1-0802C-A2S2 ECS1-0802C-B2S2	ECS1-0802C-ACS3 ECS1-0802C-BCS3	ECS1-0802C-ARS4 ECS1-0802C-BRS4
	DC 3-wire	NPN 10~30V N.O. N.C.	ECS1-0802N-A3S2 ECS1-0802N-B3S2	ECS1-0802N-ACS3 ECS1-0802N-BCS3	ECS1-0802N-ARS4 ECS1-0802N-BRS4
		PNP 10~30V N.O. N.C.	ECS1-0802P-A3S2 ECS1-0802P-B3S2	ECS1-0802P-ACS3 ECS1-0802P-BCS3	ECS1-0802P-ARS4 ECS1-0802P-BRS4
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCS1-0803N-A3S2 LCS1-0803N-B3S2	LCS1-0803N-ACS3 LCS1-0803N-BCS3	LCS1-0803N-ARS4 LCS1-0803N-BRS4
		PNP 10~30V N.O. N.C.	LCS1-0803P-A3S2 LCS1-0803P-B3S2	LCS1-0803P-ACS3 LCS1-0803P-BCS3	LCS1-0803P-ARS4 LCS1-0803P-BRS4

Metal Face Series



Connection			M8 x 30	M8 x 45	M8 x 53	
2 m Cable			M8 Connector		M12 Connector	
Series			M8			
Switching Distance Sn (mm)			Standard: 2.0, Extended: 4.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS2-0802C-A2S2 FCS2-0802C-B2S2	FCS2-0802C-ACS3 FCS2-0802C-BCS3	FCS2-0802C-ARS4 FCS2-0802C-BRS4
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCS2-0802N-A3S2 FCS2-0802N-B3S2	FCS2-0802N-ACS3 FCS2-0802N-BCS3	FCS2-0802N-ARS4 FCS2-0802N-BRS4
		PNP 10~30V	N.O. N.C.	FCS2-0802P-A3S2 FCS2-0802P-B3S2	FCS2-0802P-ACS3 FCS2-0802P-BCS3	FCS2-0802P-ARS4 FCS2-0802P-BRS4
		NPN 10~55V	N.O. N.C.	HCS2-0802N-A3S2 HCS2-0802N-B3S2	HCS2-0802N-ACS3 HCS2-0802N-BCS3	HCS2-0802N-ARS4 HCS2-0802N-BRS4
		PNP 10~55V	N.O. N.C.	HCS2-0802P-A3S2 HCS2-0802P-B3S2	HCS2-0802P-ACS3 HCS2-0802P-BCS3	HCS2-0802P-ARS4 HCS2-0802P-BRS4
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS2-0802N-S4S2 FCS2-0802P-S4S2	FCS2-0802N-SCS4 FCS2-0802P-SCS4
	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O.	ECS2-0804C-A2S2/3.5V	ECS2-0804C-ACS3/3.5V	ECS2-0804C-ARS4/3.5V
		10~60V	N.O. N.C.	ECS2-0804C-A2S2 ECS2-0804C-B2S2	ECS2-0804C-ACS3 ECS2-0804C-BCS3	ECS2-0804C-ARS4 ECS2-0804C-BRS4
		NPN 10~30V	N.O. N.C.	ECS2-0804N-A3S2 ECS2-0804N-B3S2	ECS2-0804N-ACS3 ECS2-0804N-BCS3	ECS2-0804N-ARS4 ECS2-0804N-BRS4
		PNP 10~30V	N.O. N.C.	ECS2-0804P-A3S2 ECS2-0804P-B3S2	ECS2-0804P-ACS3 ECS2-0804P-BCS3	ECS2-0804P-ARS4 ECS2-0804P-BRS4

Metal Face Series



M12 x 50

M12 x 68

M12 x 50

M12 x 68

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M12				
Switching Distance Sn (mm)			Standard: 2.0 - 4.0, Extended: 4.0 - 8.0, Long: 6.0 - 10.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS1-1202C-A2U2 FCS1-1202C-B2U2	FCS1-1202C-ARU4 FCS1-1202C-BRU4	FCS2-1204C-A2U2 FCS2-1204C-B2U2	FCS2-1204C-ARU4 FCS2-1204C-BRU4
		NPN 10~30V	N.O. N.C.	FCS1-1202N-A3U2 FCS1-1202N-B3U2	FCS1-1202N-ARU4 FCS1-1202N-BRU4	FCS2-1204N-A3U2 FCS2-1204N-B3U2	FCS2-1204N-ARU4 FCS2-1204N-BRU4
	DC 3-wire	PNP 10~30V	N.O. N.C.	FCS1-1202P-A3U2 FCS1-1202P-B3U2	FCS1-1202P-ARU4 FCS1-1202P-BRU4	FCS2-1204P-A3U2 FCS2-1204P-B3U2	FCS2-1204P-ARU4 FCS2-1204P-BRU4
		NPN 10~55V	N.O. N.C.	HCS1-1202N-A3U2 HCS1-1202N-B3U2	HCS1-1202N-ARU4 HCS1-1202N-BRU4	HCS2-1204N-A3U2 HCS2-1204N-B3U2	HCS2-1204N-ARU4 HCS2-1204N-BRU4
		PNP 10~55V	N.O. N.C.	HCS1-1202P-A3U2 HCS1-1202P-B3U2	HCS1-1202P-ARU4 HCS1-1202P-BRU4	HCS2-1204P-A3U2 HCS2-1204P-B3U2	HCS2-1204P-ARU4 HCS2-1204P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS1-1202N-S4U2 FCS1-1202P-S4U2	FCS1-1202N-SRU4 FCS1-1202P-SRU4	FCS2-1204N-S4U2 FCS2-1204P-S4U2	FCS2-1204N-SRU4 FCS2-1204P-SRU4
	AC 3-wire	20~250V	N.O. N.C.	FCS1-1202A-A3L2 FCS1-1202A-B3L2	FCS1-1202A-AUL3 FCS1-1202A-BUL3	FCS2-1204A-A3L2 FCS2-1204A-B3L2	FCS2-1204A-AUL3 FCS2-1204A-BUL3
	AC/DC 3-wire	20~250V	N.O. N.C.	FCS1-1202U-A3L2 FCS1-1202U-B3L2	FCS1-1202U-AUL3 FCS1-1202U-BUL3	FCS2-1204U-A3L2 FCS2-1204U-B3L2	FCS2-1204U-AUL3 FCS2-1204U-BUL3
Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O. N.C.	ECS1-1204C-A2U2/3.5V	ECS1-1204C-ARU4/3.5V	ECS2-1208C-A2U2/3.5V	ECS2-1208C-ARU4/3.5V
		10~60V	N.O. N.C.	ECS1-1204C-A2U2 ECS1-1204C-B2U2	ECS1-1204C-ARU4 ECS1-1204C-BRU4	ECS2-1208C-A2U2 ECS2-1208C-B2U2	ECS2-1208C-ARU4 ECS2-1208C-BRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECS1-1204N-A3U2 ECS1-1204N-B3U2	ECS1-1204N-ARU4 ECS1-1204N-BRU4	ECS2-1208N-A3U2 ECS2-1208N-B3U2	ECS2-1208N-ARU4 ECS2-1208N-BRU4
		PNP 10~30V	N.O. N.C.	ECS1-1204P-A3U2 ECS1-1204P-B3U2	ECS1-1204P-ARU4 ECS1-1204P-BRU4	ECS2-1208P-A3U2 ECS2-1208P-B3U2	ECS2-1208P-ARU4 ECS2-1208P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECS1-1204N-S4U2 ECS1-1204P-S4U2	ECS1-1204N-SRU4 ECS1-1204P-SRU4	ECS2-1208N-S4U2 ECS2-1208P-S4U2	ECS2-1208N-SRU4 ECS2-1208P-SRU4
	AC 3-wire	20~250V	N.O. N.C.	ECS1-1204A-A3L2 ECS1-1204A-B3L2	ECS1-1204A-AUL3 ECS1-1204A-BUL3	ECS2-1208A-A3L2 ECS2-1208A-B3L2	ECS2-1208A-AUL3 ECS2-1208A-BUL3
	AC/DC 3-wire	20~250V	N.O. N.C.	ECS1-1204U-A3L2 ECS1-1204U-B3L2	ECS1-1204U-AUL3 ECS1-1204U-BUL3	ECS2-1204U-A3L2 ECS2-1204U-B3L2	ECS2-1204U-AUL3 ECS2-1204U-BUL3
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCS1-1206N-A3U2 LCS1-1206N-B3U2	LCS1-1206N-ARU4 LCS1-1206N-BRU4	LCS2-1210N-A3U2 LCS2-1210N-B3U2	LCS2-1210N-ARU4 LCS2-1210N-BRU4
		PNP 10~30V	N.O. N.C.	LCS1-1206P-A3U2 LCS1-1206P-B3U2	LCS1-1206P-ARU4 LCS1-1206P-BRU4	LCS2-1210P-A3U2 LCS2-1210P-B3U2	LCS2-1210P-ARU4 LCS2-1210P-BRU4

Metal Face Series



M12 x 30

M12 x 50

M12 x 30

M12 x 50

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M12				
Switching Distance Sn (mm)			Standard: 2.0 - 4.0, Extended: 4.0 - 8.0, Long: 6.0 - 10.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS1-1202C-A2S2 FCS1-1202C-B2S2	FCS1-1202C-ARS4 FCS1-1202C-BRS4	FCS2-1204C-A2S2 FCS2-1204C-B2S2	FCS2-1204C-ARS4 FCS2-1204C-BRS4
		NPN 10~30V	N.O. N.C.	FCS1-1202N-A3S2 FCS1-1202N-B3S2	FCS1-1202N-ARS4 FCS1-1202N-BRS4	FCS2-1204N-A3S2 FCS2-1204N-B3S2	FCS2-1204N-ARS4 FCS2-1204N-BRS4
	PNP 10~30V		N.O. N.C.	FCS1-1202P-A3S2 FCS1-1202P-B3S2	FCS1-1202P-ARS4 FCS1-1202P-BRS4	FCS2-1204P-A3S2 FCS2-1204P-B3S2	FCS2-1204P-ARS4 FCS2-1204P-BRS4
			NPN 10~55V	N.O. N.C.	HCS1-1202N-A3S2 HCS1-1202N-B3S2	HCS1-1202N-ARS4 HCS1-1202N-BRS4	HCS2-1204N-A3S2 HCS2-1204N-B3S2
	PNP 10~55V	N.O. N.C.		HCS1-1202P-A3S2 HCS1-1202P-B3S2	HCS1-1202P-ARS4 HCS1-1202P-BRS4	HCS2-1204P-A3S2 HCS2-1204P-B3S2	HCS2-1204P-ARS4 HCS2-1204P-BRS4
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS1-1202N-S4S2 FCS1-1202P-S4S2	FCS1-1202N-SRS4 FCS1-1202P-SRS4	FCS2-1204N-S4S2 FCS2-1204P-S4S2
	Extended		DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O.	ECS1-1204C-A2S2/3.5V	ECS1-1204C-ARS4/3.5V
10~60V		N.O. N.C.		ECS1-1204C-A2S2 ECS1-1204C-B2S2	ECS1-1204C-ARS4 ECS1-1204C-BRS4	ECS2-1208C-A2S2 ECS2-1208C-B2S2	ECS2-1208C-ARS4 ECS2-1208C-BRS4
DC 3-wire		NPN 10~30V	N.O. N.C.	ECS1-1204N-A3S2 ECS1-1204N-B3S2	ECS1-1204N-ARS4 ECS1-1204N-BRS4	ECS2-1208N-A3S2 ECS2-1208N-B3S2	ECS2-1208N-ARS4 ECS2-1208N-BRS4
		PNP 10~30V	N.O. N.C.	ECS1-1204P-A3S2 ECS1-1204P-B3S2	ECS1-1204P-ARS4 ECS1-1204P-BRS4	ECS2-1208P-A3S2 ECS2-1208P-B3S2	ECS2-1208P-ARS4 ECS2-1208P-BRS4
DC 4-wire		10~30V N.O./N.C.	NPN PNP	ECS1-1204N-S4S2 ECS1-1204P-S4S2	ECS1-1204N-SRS4 ECS1-1204P-SRS4	ECS2-1208N-S4S2 ECS2-1208P-S4S2	ECS2-1208N-SRS4 ECS2-1208P-SRS4
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCS1-1206N-A3S2 LCS1-1206N-B3S2	LCS1-1206N-ARS4 LCS1-1206N-BRS4	LCS2-1210N-A3S2 LCS2-1210N-B3S2	LCS2-1210N-ARS4 LCS2-1210N-BRS4
		PNP 10~30V	N.O. N.C.	LCS1-1206P-A3S2 LCS1-1206P-B3S2	LCS1-1206P-ARS4 LCS1-1206P-BRS4	LCS2-1210P-A3S2 LCS2-1210P-B3S2	LCS2-1210P-ARS4 LCS2-1210P-BRS4

Metal Face Series



M18 x 35

M18 x 48

M18 x 35

M18 x 48

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M18				
Switching Distance Sn (mm)			Standard: 5.0 - 8.0, Extended: 8.0 - 16.0, Long: 12.0 - 20.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS1-1805C-A2S2 FCS1-1805C-B2S2	FCS1-1805C-ARS4 FCS1-1805C-BRS4	FCS2-1808C-A2S2 FCS2-1808C-B2S2	FCS2-1808C-ARS4 FCS2-1808C-BRS4
		NPN 10~30V	N.O. N.C.	FCS1-1805N-A3S2 FCS1-1805N-B3S2	FCS1-1805N-ARS4 FCS1-1805N-BRS4	FCS2-1808N-A3S2 FCS2-1808N-B3S2	FCS2-1808N-ARS4 FCS2-1808N-BRS4
	DC 3-wire	PNP 10~30V	N.O. N.C.	FCS1-1805P-A3S2 FCS1-1805P-B3S2	FCS1-1805P-ARS4 FCS1-1805P-BRS4	FCS2-1808P-A3S2 FCS2-1808P-B3S2	FCS2-1808P-ARS4 FCS2-1808P-BRS4
		NPN 10~55V	N.O. N.C.	HCS1-1805N-A3S2 HCS1-1805N-B3S2	HCS1-1805N-ARS4 HCS1-1805N-BRS4	HCS2-1808N-A3S2 HCS2-1808N-B3S2	HCS2-1808N-ARS4 HCS2-1808N-BRS4
		PNP 10~55V	N.O. N.C.	HCS1-1805P-A3S2 HCS1-1805P-B3S2	HCS1-1805P-ARS4 HCS1-1805P-BRS4	HCS2-1808P-A3S2 HCS2-1808P-B3S2	HCS2-1808P-ARS4 HCS2-1808P-BRS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS1-1805N-S4S2 FCS1-1805P-S4S2	FCS1-1805N-SRS4 FCS1-1805P-SRS4	FCS2-1808N-S4S2 FCS2-1808P-S4S2	FCS2-1808N-SRS4 FCS2-1808P-SRS4
		AC 3-wire 20~250V	N.O. N.C.	FCS1-1805A-A3L2/S FCS1-1805A-B3L2/S	FCS1-1805A-AUL3/S FCS1-1805A-BUL3/S	FCS2-1808A-A3L2/S FCS2-1808A-B3L2/S	FCS2-1808A-AUL3/S FCS2-1808A-BUL3/S
	AC/DC 3-wire 20~250V		N.O. N.C.	FCS1-1805U-A3L2/S FCS1-1805U-B3L2/S	FCS1-1805U-AUL3/S FCS1-1805U-BUL3/S	FCS2-1808U-A3L2/S FCS2-1808U-B3L2/S	FCS2-1808U-AUL3/S FCS2-1808U-BUL3/S
Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O.	ECS1-1808C-A2S2/3.5V	ECS1-1808C-ARS4/3.5V	ECS2-1816C-A2S2/3.5V	ECS2-1816C-ARS4/3.5V
		10~60V	N.O. N.C.	ECS1-1808C-A2S2 ECS1-1808C-B2S2	ECS1-1808C-ARS4 ECS1-1808C-BRS4	ECS2-1816C-A2S2 ECS2-1816C-B2S2	ECS2-1816C-ARS4 ECS2-1816C-BRS4
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECS1-1808N-A3S2 ECS1-1808N-B3S2	ECS1-1808N-ARS4 ECS1-1808N-BRS4	ECS2-1816N-A3S2 ECS2-1816N-B3S2	ECS2-1816N-ARS4 ECS2-1816N-BRS4
		PNP 10~30V	N.O. N.C.	ECS1-1808P-A3S2 ECS1-1808P-B3S2	ECS1-1808P-ARS4 ECS1-1808P-BRS4	ECS2-1816P-A3S2 ECS2-1816P-B3S2	ECS2-1816P-ARS4 ECS2-1816P-BRS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECS1-1808N-S4S2 ECS1-1808P-S4S2	ECS1-1808N-SRS4 ECS1-1808P-SRS4	ECS2-1816N-S4S2 ECS2-1816P-S4S2	ECS2-1816N-SRS4 ECS2-1816P-SRS4
		AC 3-wire 20~250V	N.O. N.C.	ECS1-1808A-A3L2/S ECS1-1808A-B3L2/S	ECS1-1808A-AUL3/S ECS1-1808A-BUL3/S	ECS2-1816A-A3L2/S ECS2-1816A-B3L2/S	ECS2-1816A-AUL3/S ECS2-1816A-BUL3/S
	AC/DC 3-wire 20~250V		N.O. N.C.	ECS1-1808U-A3L2/S ECS1-1808U-B3L2/S	ECS1-1808U-AUL3/S ECS1-1808U-BUL3/S	ECS2-1816U-A3L2/S ECS2-1816U-B3L2/S	ECS2-1816U-AUL3/S ECS2-1816U-BUL3/S
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCS1-1812N-A3S2 LCS1-1812N-B3S2	LCS1-1812N-ARS4 LCS1-1812N-BRS4	LCS2-1820N-A3S2 LCS2-1820N-B3S2	LCS2-1820N-ARS4 LCS2-1820N-BRS4
		PNP 10~30V	N.O. N.C.	LCS1-1812P-A3S2 LCS1-1812P-B3S2	LCS1-1812P-ARS4 LCS1-1812P-BRS4	LCS2-1820P-A3S2 LCS2-1820P-B3S2	LCS2-1820P-ARS4 LCS2-1820P-BRS4

Metal Face Series



M18 x 55

M18 x 79

M18 x 99

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A		
Series			M18				
Switching Distance Sn (mm)			Standard: 5.0, Extended: 8.0, Long: 12.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS1-1805C-A2U2 FCS1-1805C-B2U2	FCS1-1805C-ARU4 FCS1-1805C-BRU4	FCS1-1805C-AZU4 FCS1-1805C-BZU4	
		NPN 10~30V	N.O. N.C.	FCS1-1805N-A3U2 FCS1-1805N-B3U2	FCS1-1805N-ARU4 FCS1-1805N-BRU4	FCS1-1805N-AZU4 FCS1-1805N-BZU4	
	DC 3-wire	PNP 10~30V	N.O. N.C.	FCS1-1805P-A3U2 FCS1-1805P-B3U2	FCS1-1805P-ARU4 FCS1-1805P-BRU4	FCS1-1805P-AZU4 FCS1-1805P-BZU4	
		NPN 10~55V	N.O. N.C.	HCS1-1805N-A3U2 HCS1-1805N-B3U2	HCS1-1805N-ARU4 HCS1-1805N-BRU4	HCS1-1805N-AZU4 HCS1-1805N-BZU4	
		PNP 10~55V	N.O. N.C.	HCS1-1805P-A3U2 HCS1-1805P-B3U2	HCS1-1805P-ARU4 HCS1-1805P-BRU4	HCS1-1805P-AZU4 HCS1-1805P-BZU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS1-1805N-S4U2 FCS1-1805P-S4U2	FCS1-1805N-SRU4 FCS1-1805P-SRU4	FCS1-1805N-SZU4 FCS1-1805P-SZU4	
	AC 3-wire	20~250V	N.O. N.C.	FCS1-1805A-A3L2 FCS1-1805A-B3L2	FCS1-1805A-AUL3 FCS1-1805A-BUL3	FCS1-1805A-AZL3 FCS1-1805A-BZL3	
	AC/DC 3-wire	20~250V	N.O. N.C.	FCS1-1805U-A3L2 FCS1-1805U-B3L2	FCS1-1805U-AUL3 FCS1-1805U-BUL3	FCS1-1805U-AZL3 FCS1-1805U-BZL3	
	Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O.	ECS1-1808C-A2U2/3.5V	ECS1-1808C-ARU4/3.5V	ECS1-1808C-AZU4/3.5V
			10~60V	N.O. N.C.	ECS1-1808C-A2U2 ECS1-1808C-B2U2	ECS1-1808C-ARU4 ECS1-1808C-BRU4	ECS1-1808C-AZU4 ECS1-1808C-BZU4
DC 3-wire		NPN 10~30V	N.O. N.C.	ECS1-1808N-A3U2 ECS1-1808N-B3U2	ECS1-1808N-ARU4 ECS1-1808N-BRU4	ECS1-1808N-AZU4 ECS1-1808N-BZU4	
		PNP 10~30V	N.O. N.C.	ECS1-1808P-A3U2 ECS1-1808P-B3U2	ECS1-1808P-ARU4 ECS1-1808P-BRU4	ECS1-1808P-AZU4 ECS1-1808P-BZU4	
DC 4-wire		10~30V N.O./N.C.	NPN PNP	ECS1-1808N-S4U2 ECS1-1808P-S4U2	ECS1-1808N-SRU4 ECS1-1808P-SRU4	ECS1-1808N-SZU4 ECS1-1808P-SZU4	
AC 3-wire		20~250V	N.O. N.C.	ECS1-1808A-A3L2 ECS1-1808A-B3L2	ECS1-1808A-AUL3 ECS1-1808A-BUL3	ECS1-1808A-AZL3 ECS1-1808A-BZL3	
AC/DC 3-wire		20~250V	N.O. N.C.	ECS1-1808U-A3L2 ECS1-1808U-B3L2	ECS1-1808U-AUL3 ECS1-1808U-BUL3	ECS1-1808U-AZL3 ECS1-1808U-BZL3	
Long		DC 3-wire	NPN 10~30V	N.O. N.C.	LCS1-1812N-A3U2 LCS1-1812N-B3U2	LCS1-1812N-ARU4 LCS1-1812N-BRU4	LCS1-1812N-AZU4 LCS1-1812N-BZU4
	PNP 10~30V		N.O. N.C.	LCS1-1812P-A3U2 LCS1-1812P-B3U2	LCS1-1812P-ARU4 LCS1-1812P-BRU4	LCS1-1812P-AZU4 LCS1-1812P-BZU4	

Metal Face Series



M18 x 55

M18 x 79

M18 x 99

Connection			M18 x 55 2 m Cable	M18 x 79 M12 Connector	M18 x 99 7/8"-16UN-2A
Series			M18		
Switching Distance Sn (mm)			Standard: 8.0, Extended: 16.0, Long: 20.0		
Standard	DC 2-wire	10~60V N.O. N.C.	FCS2-1808C-A2U2 FCS2-1808C-B2U2	FCS2-1808C-ARU4 FCS2-1808C-BRU4	FCS2-1808C-AZU4 FCS2-1808C-BZU4
		NPN 10~30V N.O. N.C.	FCS2-1808N-A3U2 FCS2-1808N-B3U2	FCS2-1808N-ARU4 FCS2-1808N-BRU4	FCS2-1808N-AZU4 FCS2-1808N-BZU4
	DC 3-wire	PNP 10~30V N.O. N.C.	FCS2-1808P-A3U2 FCS2-1808P-B3U2	FCS2-1808P-ARU4 FCS2-1808P-BRU4	FCS2-1808P-AZU4 FCS2-1808P-BZU4
		NPN 10~55V N.O. N.C.	HCS2-1808N-A3U2 HCS2-1808N-B3U2	HCS2-1808N-ARU4 HCS2-1808N-BRU4	HCS2-1808N-AZU4 HCS2-1808N-BZU4
	DC 4-wire	PNP 10~55V N.O. N.C.	HCS2-1808P-A3U2 HCS2-1808P-B3U2	HCS2-1808P-ARU4 HCS2-1808P-BRU4	HCS2-1808P-AZU4 HCS2-1808P-BZU4
		10~30V N.O./N.C.	FCS2-1808N-S4U2 FCS2-1808P-S4U2	FCS2-1808N-SRU4 FCS2-1808P-SRU4	FCS2-1808N-SZU4 FCS2-1808P-SZU4
	AC 3-wire	20~250V N.O. N.C.	FCS2-1808A-A3L2 FCS2-1808A-B3L2	FCS2-1808A-AUL3 FCS2-1808A-BUL3	FCS2-1808A-AZL3 FCS2-1808A-BZL3
		AC/DC 3-wire 20~250V N.O. N.C.	FCS2-1808U-A3L2 FCS2-1808U-B3L2	FCS2-1808U-AUL3 FCS2-1808U-BUL3	FCS2-1808U-AZL3 FCS2-1808U-BZL3
	DC 2-wire	3.5~30V Voltage drop = 3.5V N.O. N.C.	ECS2-1816C-A2U2/3.5V	ECS2-1816C-ARU4/3.5V	ECS2-1816C-AZU4/3.5V
		10~60V N.O. N.C.	ECS2-1816C-A2U2 ECS2-1816C-B2U2	ECS2-1816C-ARU4 ECS2-1816C-BRU4	ECS2-1816C-AZU4 ECS2-1816C-BZU4
Extended	DC 3-wire	NPN 10~30V N.O. N.C.	ECS2-1816N-A3U2 ECS2-1816N-B3U2	ECS2-1816N-ARU4 ECS2-1816N-BRU4	ECS2-1816N-AZU4 ECS2-1816N-BZU4
		PNP 10~30V N.O. N.C.	ECS2-1816P-A3U2 ECS2-1816P-B3U2	ECS2-1816P-ARU4 ECS2-1816P-BRU4	ECS2-1816P-AZU4 ECS2-1816P-BZU4
	DC 4-wire	10~30V N.O./N.C.	ECS2-1816N-S4U2 ECS2-1816P-S4U2	ECS2-1816N-SRU4 ECS2-1816P-SRU4	ECS2-1816N-SZU4 ECS2-1816P-SZU4
		AC 3-wire 20~250V N.O. N.C.	ECS2-1816A-A3L2 ECS2-1816A-B3L2	ECS2-1816A-AUL3 ECS2-1816A-BUL3	ECS2-1816A-AZL3 ECS2-1816A-BZL3
	AC/DC 3-wire	20~250V N.O. N.C.	ECS2-1816U-A3L2 ECS2-1816U-B3L2	ECS2-1816U-AUL3 ECS2-1816U-BUL3	ECS2-1816U-AZL3 ECS2-1816U-BZL3
		DC 3-wire			
Long	DC 3-wire	NPN 10~30V N.O. N.C.	LCS2-1820N-A3U2 LCS2-1820N-B3U2	LCS2-1820N-ARU4 LCS2-1820N-BRU4	LCS2-1820N-AZU4 LCS2-1820N-BZU4
		PNP 10~30V N.O. N.C.	LCS2-1820P-A3U2 LCS2-1820P-B3U2	LCS2-1820P-ARU4 LCS2-1820P-BRU4	LCS2-1820P-AZU4 LCS2-1820P-BZU4

Metal Face Series



M30 x 55

M30 x 78

M30 x 81

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A	
Series			M30			
Switching Distance Sn (mm)			Standard: 10.0, Extended: 16.0, Long: 22.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS1-3010C-A2U2 FCS1-3010C-B2U2	FCS1-3010C-ARU4 FCS1-3010C-BRU4	FCS1-3010C-AZU4 FCS1-3010C-BZU4
		NPN 10~30V	N.O. N.C.	FCS1-3010N-A3U2 FCS1-3010N-B3U2	FCS1-3010N-ARU4 FCS1-3010N-BRU4	FCS1-3010N-AZU4 FCS1-3010N-BZU4
	DC 3-wire	PNP 10~30V	N.O. N.C.	FCS1-3010P-A3U2 FCS1-3010P-B3U2	FCS1-3010P-ARU4 FCS1-3010P-BRU4	FCS1-3010P-AZU4 FCS1-3010P-BZU4
		NPN 10~55V	N.O. N.C.	HCS1-3010N-A3U2 HCS1-3010N-B3U2	HCS1-3010N-ARU4 HCS1-3010N-BRU4	HCS1-3010N-AZU4 HCS1-3010N-BZU4
		PNP 10~55V	N.O. N.C.	HCS1-3010P-A3U2 HCS1-3010P-B3U2	HCS1-3010P-ARU4 HCS1-3010P-BRU4	HCS1-3010P-AZU4 HCS1-3010P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS1-3010N-S4U2 FCS1-3010P-S4U2	FCS1-3010N-SRU4 FCS1-3010P-SRU4	FCS1-3010N-SZU4 FCS1-3010P-SZU4
	AC 3-wire	20~250V	N.O. N.C.	FCS1-3010A-A3L2 FCS1-3010A-B3L2	FCS1-3010A-AUL3 FCS1-3010A-BUL3	FCS1-3010A-AZL3 FCS1-3010A-BZL3
	AC/DC 3-wire	20~250V	N.O. N.C.	FCS1-3010U-A3L2 FCS1-3010U-B3L2	FCS1-3010U-AUL3 FCS1-3010U-BUL3	FCS1-3010U-AZL3 FCS1-3010U-BZL3
Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O.	ECS1-3016C-A2U2/3.5V	ECS1-3016C-ARU4/3.5V	ECS1-3016C-AZU4/3.5V
		10~60V	N.O. N.C.	ECS1-3016C-A2U2 ECS1-3016C-B2U2	ECS1-3016C-ARU4 ECS1-3016C-BRU4	ECS1-3016C-AZU4 ECS1-3016C-BZU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECS1-3016N-A3U2 ECS1-3016N-B3U2	ECS1-3016N-ARU4 ECS1-3016N-BRU4	ECS1-3016N-AZU4 ECS1-3016N-BZU4
		PNP 10~30V	N.O. N.C.	ECS1-3016P-A3U2 ECS1-3016P-B3U2	ECS1-3016P-ARU4 ECS1-3016P-BRU4	ECS1-3016P-AZU4 ECS1-3016P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECS1-3016N-S4U2 ECS1-3016P-S4U2	ECS1-3016N-SRU4 ECS1-3016P-SRU4	ECS1-3016N-SZU4 ECS1-3016P-SZU4
	AC 3-wire	20~250V	N.O. N.C.	ECS1-3016A-A3L2 ECS1-3016A-B3L2	ECS1-3016A-AUL3 ECS1-3016A-BUL3	ECS1-3016A-AZL3 ECS1-3016A-BZL3
	AC/DC 3-wire	20~250V	N.O. N.C.	ECS1-3016U-A3L2 ECS1-3016U-B3L2	ECS1-3016U-AUL3 ECS1-3016U-BUL3	ECS1-3016U-AZL3 ECS1-3016U-BZL3
	Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCS1-3022N-A3U2 LCS1-3022N-B3U2	LCS1-3022N-ARU4 LCS1-3022N-BRU4
PNP 10~30V			N.O. N.C.	LCS1-3022P-A3U2 LCS1-3022P-B3U2	LCS1-3022P-ARU4 LCS1-3022P-BRU4	LCS1-3022P-AZU4 LCS1-3022P-BZU4

Metal Face Series



M30 x 55



M30 x 78



M30 x 81

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A	
Series			M30			
Switching Distance Sn (mm)			Standard: 15.0, Extended: 25.0, Long: 40.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS2-3015C-A2U2 FCS2-3015C-B2U2	FCS2-3015C-ARU4 FCS2-3015C-BRU4	FCS2-3015C-AZU4 FCS2-3015C-BZU4
		DC 3-wire	NPN 10~30V	N.O. N.C.	FCS2-3015N-A3U2 FCS2-3015N-B3U2	FCS2-3015N-ARU4 FCS2-3015N-BRU4
	PNP 10~30V		N.O. N.C.	FCS2-3015P-A3U2 FCS2-3015P-B3U2	FCS2-3015P-ARU4 FCS2-3015P-BRU4	FCS2-3015P-AZU4 FCS2-3015P-BZU4
	NPN 10~55V		N.O. N.C.	HCS2-3015N-A3U2 HCS2-3015N-B3U2	HCS2-3015N-ARU4 HCS2-3015N-BRU4	HCS2-3015N-AZU4 HCS2-3015N-BZU4
	PNP 10~55V		N.O. N.C.	HCS2-3015P-A3U2 HCS2-3015P-B3U2	HCS2-3015P-ARU4 HCS2-3015P-BRU4	HCS2-3015P-AZU4 HCS2-3015P-BZU4
	DC 4-wire		10~30V N.O./N.C.	NPN PNP	FCS2-3015N-S4U2 FCS2-3015P-S4U2	FCS2-3015N-SRU4 FCS2-3015P-SRU4
		AC 3-wire	20~250V	N.O. N.C.	FCS2-3015A-A3L2 FCS2-3015A-B3L2	FCS2-3015A-AUL3 FCS2-3015A-BUL3
	AC/DC 3-wire		20~250V	N.O. N.C.	FCS2-3015U-A3L2 FCS2-3015U-B3L2	FCS2-3015U-AUL3 FCS2-3015U-BUL3
Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O. N.C.	ECS2-3025C-A2U2/3.5V	ECS2-3025C-ARU4/3.5V	ECS2-3025C-AZU4/3.5V
		10~60V	N.O. N.C.	ECS2-3025C-A2U2 ECS2-3025C-B2U2	ECS2-3025C-ARU4 ECS2-3025C-BRU4	ECS2-3025C-AZU4 ECS2-3025C-BZU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECS2-3025N-A3U2 ECS2-3025N-B3U2	ECS2-3025N-ARU4 ECS2-3025N-BRU4	ECS2-3025N-AZU4 ECS2-3025N-BZU4
		PNP 10~30V	N.O. N.C.	ECS2-3025P-A3U2 ECS2-3025P-B3U2	ECS2-3025P-ARU4 ECS2-3025P-BRU4	ECS2-3025P-AZU4 ECS2-3025P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	ECS2-3025N-S4U2 ECS2-3025P-S4U2	ECS2-3025N-SRU4 ECS2-3025P-SRU4	ECS2-3025N-SZU4 ECS2-3025P-SZU4
	AC 3-wire	20~250V	N.O. N.C.	ECS2-3025A-A3L2 ECS2-3025A-B3L2	ECS2-3025A-AUL3 ECS2-3025A-BUL3	ECS2-3025A-AZL3 ECS2-3025A-BZL3
	AC/DC 3-wire		20~250V	N.O. N.C.	ECS2-3025U-A3L2 ECS2-3025U-B3L2	ECS2-3025U-AUL3 ECS2-3025U-BUL3
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCS2-3040N-A3U2 LCS2-3040N-B3U2	LCS2-3040N-ARU4 LCS2-3040N-BRU4	LCS2-3040N-AZU4 LCS2-3040N-BZU4
		PNP 10~30V	N.O. N.C.	LCS2-3040P-A3U2 LCS2-3040P-B3U2	LCS2-3040P-ARU4 LCS2-3040P-BRU4	LCS2-3040P-AZU4 LCS2-3040P-BZU4

Metal Face Series



M30 x 35

M30 x 48

M30 x 35

M30 x 48

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M30				
Switching Distance Sn (mm)			Standard: 10.0 - 15.0, Extended: 16.0 - 25.0, Long: 22.0 - 40.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS1-3010C-A2S2 FCS1-3010C-B2S2	FCS1-3010C-ARS4 FCS1-3010C-BRS4	FCS2-3015C-A2S2 FCS2-3015C-B2S2	FCS2-3015C-ARS4 FCS2-3015C-BRS4
		NPN 10~30V	N.O. N.C.	FCS1-3010N-A3S2 FCS1-3010N-B3S2	FCS1-3010N-ARS4 FCS1-3010N-BRS4	FCS2-3015N-A3S2 FCS2-3015N-B3S2	FCS2-3015N-ARS4 FCS2-3015N-BRS4
	DC 3-wire	PNP 10~30V	N.O. N.C.	FCS1-3010P-A3S2 FCS1-3010P-B3S2	FCS1-3010P-ARS4 FCS1-3010P-BRS4	FCS2-3015P-A3S2 FCS2-3015P-B3S2	FCS2-3015P-ARS4 FCS2-3015P-BRS4
		NPN 10~55V	N.O. N.C.	HCS1-3010N-A3S2 HCS1-3010N-B3S2	HCS1-3010N-ARS4 HCS1-3010N-BRS4	HCS2-3015N-A3S2 HCS2-3015N-B3S2	HCS2-3015N-ARS4 HCS2-3015N-BRS4
		PNP 10~55V	N.O. N.C.	HCS1-3010P-A3S2 HCS1-3010P-B3S2	HCS1-3010P-ARS4 HCS1-3010P-BRS4	HCS2-3015P-A3S2 HCS2-3015P-B3S2	HCS2-3015P-ARS4 HCS2-3015P-BRS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCS1-3010N-S4S2 FCS1-3010P-S4S2	FCS1-3010N-SRS4 FCS1-3010P-SRS4	FCS2-3015N-S4S2 FCS2-3015P-S4S2	FCS2-3015N-SRS4 FCS2-3015P-SRS4
	AC 3-wire	20~250V	N.O. N.C.	FCS1-3010A-A3L2/S FCS1-3010A-B3L2/S	FCS1-3010A-AUL3/S FCS1-3010A-BUL3/S	FCS2-3015A-A3L2/S FCS2-3015A-B3L2/S	FCS2-3015A-AUL3/S FCS2-3015A-BUL3/S
	AC/DC 3-wire	20~250V	N.O. N.C.	FCS1-3010U-A3L2/S FCS1-3010U-B3L2/S	FCS1-3010U-AUL3/S FCS1-3010U-BUL3/S	FCS2-3015U-A3L2/S FCS2-3015U-B3L2/S	FCS2-3015U-AUL3/S FCS2-3015U-BUL3/S
	Extended	DC 2-wire	3.5~30V Voltage drop = 3.5V	N.O.	ECS1-3016C-A2S2/3.5V	ECS1-3016C-ARS4/3.5V	ECS2-3025C-A2S2/3.5V
10~60V			N.O. N.C.	ECS1-3016C-A2S2 ECS1-3016C-B2S2	ECS1-3016C-ARS4 ECS1-3016C-BRS4	ECS2-3025C-A2S2 ECS2-3025C-B2S2	ECS2-3025C-ARS4 ECS2-3025C-BRS4
DC 3-wire		NPN 10~30V	N.O. N.C.	ECS1-3016N-A3S2 ECS1-3016N-B3S2	ECS1-3016N-ARS4 ECS1-3016N-BRS4	ECS2-3025N-A3S2 ECS2-3025N-B3S2	ECS2-3025N-ARS4 ECS2-3025N-BRS4
		PNP 10~30V	N.O. N.C.	ECS1-3016P-A3S2 ECS1-3016P-B3S2	ECS1-3016P-ARS4 ECS1-3016P-BRS4	ECS2-3025P-A3S2 ECS2-3025P-B3S2	ECS2-3025P-ARS4 ECS2-3025P-BRS4
DC 4-wire		10~30V N.O./N.C.	NPN PNP	ECS1-3016N-S4S2 ECS1-3016P-S4S2	ECS1-3016N-SRS4 ECS1-3016P-SRS4	ECS2-3025N-S4S2 ECS2-3025P-S4S2	ECS2-3025N-SRS4 ECS2-3025P-SRS4
AC 3-wire		20~250V	N.O. N.C.	ECS1-3016A-A3L2/S ECS1-3016A-B3L2/S	ECS1-3016A-AUL3/S ECS1-3016A-BUL3/S	ECS2-3025A-A3L2/S ECS2-3025A-B3L2/S	ECS2-3025A-AUL3/S ECS2-3025A-BUL3/S
AC/DC 3-wire		20~250V	N.O. N.C.	ECS1-3016U-A3L2/S ECS1-3016U-B3L2/S	ECS1-3016U-AUL3/S ECS1-3016U-BUL3/S	ECS2-3025U-A3L2/S ECS2-3025U-B3L2/S	ECS2-3025U-AUL3/S ECS2-3025U-BUL3/S
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCS1-3022N-A3S2 LCS1-3022N-B3S2	LCS1-3022N-ARS4 LCS1-3022N-BRS4	LCS2-3040N-A3S2 LCS2-3040N-B3S2	LCS2-3040N-ARS4 LCS2-3040N-BRS4
		PNP 10~30V	N.O. N.C.	LCS1-3022P-A3S2 LCS1-3022P-B3S2	LCS1-3022P-ARS4 LCS1-3022P-BRS4	LCS2-3040P-A3S2 LCS2-3040P-B3S2	LCS2-3040P-ARS4 LCS2-3040P-BRS4

FE/NFE Series



			M8 x 45	M8 x 60	M8 x 70
Connection			2 m Cable	M8 Connector	M12 Connector
Series			M8 Ferrous		
Switching Distance Sn (mm)			Standard: 1.5		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCS1-081.5N-A3U2/FE FCS1-081.5N-B3U2/FE	FCS1-081.5N-ACU3/FE FCS1-081.5N-BCU3/FE	FCS1-081.5N-ARU4/FE FCS1-081.5N-BRU4/FE
		PNP 10~30V	N.O. N.C.	FCS1-081.5P-A3U2/FE FCS1-081.5P-B3U2/FE	FCS1-081.5P-ACU3/FE FCS1-081.5P-BCU3/FE	FCS1-081.5P-ARU4/FE FCS1-081.5P-BRU4/FE



			M8 x 45	M8 x 60	M8 x 70
Connection			2 m Cable	M8 Connector	M12 Connector
Series			M8 Non-Ferrous		
Switching Distance Sn (mm)			Standard: 1.5, Extended: 2.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCS1-081.5N-A3U2/NFE FCS1-081.5N-B3U2/NFE	FCS1-081.5N-ACU3/NFE FCS1-081.5N-BCU3/NFE	FCS1-081.5N-ARU4/NFE FCS1-081.5N-BRU4/NFE
		PNP 10~30V	N.O. N.C.	FCS1-081.5P-A3U2/NFE FCS1-081.5P-B3U2/NFE	FCS1-081.5P-ACU3/NFE FCS1-081.5P-BCU3/NFE	FCS1-081.5P-ARU4/NFE FCS1-081.5P-BRU4/NFE
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	ECS1-0802N-A3U2/NFE ECS1-0802N-B3U2/NFE	ECS1-0802N-ACU3/NFE ECS1-0802N-BCU3/NFE	ECS1-0802N-ARU4/NFE ECS1-0802N-BRU4/NFE
		PNP 10~30V	N.O. N.C.	ECS1-0802P-A3U2/NFE ECS1-0802P-B3U2/NFE	ECS1-0802P-ACU3/NFE ECS1-0802P-BCU3/NFE	ECS1-0802P-ARU4/NFE ECS1-0802P-BRU4/NFE



			M12 x 50	M12 x 68	M12 x 50	M12 x 68
Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series			M12 Ferrous		M12 Non-Ferrous	
Switching Distance Sn (mm)			Standard: 2.0		Standard: 2.0, Extended: 4.0	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCS1-1202N-A3U2/FE FCS1-1202N-B3U2/FE	FCS1-1202N-ARU4/FE FCS1-1202N-BRU4/FE	FCS1-1202N-A3U2/NFE FCS1-1202N-B3U2/NFE	FCS1-1202N-ARU4/NFE FCS1-1202N-BRU4/NFE
		PNP 10~30V	N.O. N.C.	FCS1-1202P-A3U2/FE FCS1-1202P-B3U2/FE	FCS1-1202P-ARU4/FE FCS1-1202P-BRU4/FE	FCS1-1202P-A3U2/NFE FCS1-1202P-B3U2/NFE	FCS1-1202P-ARU4/NFE FCS1-1202P-BRU4/NFE
Extended	DC 3-wire	NPN 10~30V	N.O. N.C.			ECS1-1204N-A3U2/NFE ECS1-1204N-B3U2/NFE	ECS1-1204N-ARU4/NFE ECS1-1204N-BRU4/NFE
		PNP 10~30V	N.O. N.C.			ECS1-1204P-A3U2/NFE ECS1-1204P-B3U2/NFE	ECS1-1204P-ARU4/NFE ECS1-1204P-BRU4/NFE

FE/NFE Series



			M18 x 55	M18 x 79	M18 x 99
Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M18 Ferrous		
Switching Distance Sn (mm)			Standard: 5.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCS1-1805N-A3U2/FE FCS1-1805N-B3U2/FE	FCS1-1805N-ARU4/FE FCS1-1805N-BRU4/FE	FCS1-1805N-AZU4/FE FCS1-1805N-BZU4/FE
		PNP 10~30V N.O. N.C.	FCS1-1805P-A3U2/FE FCS1-1805P-B3U2/FE	FCS1-1805P-ARU4/FE FCS1-1805P-BRU4/FE	FCS1-1805P-AZU4/FE FCS1-1805P-BZU4/FE
	AC/DC 3-wire	20~250V N.O. N.C.	FCS1-1805U-A3L2/FE FCS1-1805U-B3L2/FE	FCS1-1805U-AUL3/FE FCS1-1805U-BUL3/FE	FCS1-1805U-AZL3/FE FCS1-1805U-BZL3/FE



			M18 x 55	M18 x 79	M18 x 99	
Connection			2 m Cable	M12 Connector	7/8"-16UN-2A	
Series			M18 Non-Ferrous			
Switching Distance Sn (mm)			Standard: 5.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	FCS1-1805C-A2U2/NFE FCS1-1805C-B2U2/NFE	FCS1-1805C-ARU4/NFE FCS1-1805C-BRU4/NFE	FCS1-1805C-AZU4/NFE FCS1-1805C-BZU4/NFE
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCS1-1805N-A3U2/NFE FCS1-1805N-B3U2/NFE	FCS1-1805N-ARU4/NFE FCS1-1805N-BRU4/NFE	FCS1-1805N-AZU4/NFE FCS1-1805N-BZU4/NFE
		PNP 10~30V	N.O. N.C.	FCS1-1805P-A3U2/NFE FCS1-1805P-B3U2/NFE	FCS1-1805P-ARU4/NFE FCS1-1805P-BRU4/NFE	FCS1-1805P-AZU4/NFE FCS1-1805P-BZU4/NFE



			M30 x 55	M30 x 78	M30 x 81
Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M30 Ferrous		
Switching Distance Sn (mm)			Standard: 10.0		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	FCS1-3010N-A3U2/FE FCS1-3010N-B3U2/FE	FCS1-3010N-ARU4/FE FCS1-3010N-BRU4/FE	FCS1-3010N-AZU4/FE FCS1-3010N-BZU4/FE
		PNP 10~30V N.O. N.C.	FCS1-3010P-A3U2/FE FCS1-3010P-B3U2/FE	FCS1-3010P-ARU4/FE FCS1-3010P-BRU4/FE	FCS1-3010P-AZU4/FE FCS1-3010P-BZU4/FE
	AC/DC 3-wire	20~250V N.O. N.C.	FCS1-3010U-A3L2/FE FCS1-3010U-B3L2/FE	FCS1-3010U-AUL3/FE FCS1-3010U-BUL3/FE	FCS1-3010U-AZL3/FE FCS1-3010U-BZL3/FE

FE/NFE Series



M30 x 55



M30 x 78



M30 x 81

Connection			M30 x 55	M30 x 78	M30 x 81
			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M30 Non-Ferrous		
Switching Distance Sn (mm)			Standard: 10.0		
Standard	DC 2-wire 10~60V	N.O. N.C.	FCS1-3010C-A2U2/NFE FCS1-3010C-B2U2/NFE	FCS1-3010C-ARU4/NFE FCS1-3010C-BRU4/NFE	FCS1-3010C-AZU4/NFE FCS1-3010C-BZU4/NFE
	NPN 10~30V	N.O. N.C.	FCS1-3010N-A3U2/NFE FCS1-3010N-B3U2/NFE	FCS1-3010N-ARU4/NFE FCS1-3010N-BRU4/NFE	FCS1-3010N-AZU4/NFE FCS1-3010N-BZU4/NFE
	DC 3-wire				
	PNP 10~30V	N.O. N.C.	FCS1-3010P-A3U2/NFE FCS1-3010P-B3U2/NFE	FCS1-3010P-ARU4/NFE FCS1-3010P-BRU4/NFE	FCS1-3010P-AZU4/NFE FCS1-3010P-BZU4/NFE

WFI Series



			M8 x 45	M8 x 60	M8 x 70	
Connection			2 m Cable	M8 Connector	M12 Connector	
Series			M8			
Switching Distance Sn (mm)			Standard: 1.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-0801N-A3U2/W FCM1-0801N-B3U2/W	FCM1-0801N-ACU3/W FCM1-0801N-BCU3/W	FCM1-0801N-ARU4/W FCM1-0801N-BRU4/W
		PNP 10~30V	N.O. N.C.	FCM1-0801P-A3U2/W FCM1-0801P-B3U2/W	FCM1-0801P-ACU3/W FCM1-0801P-BCU3/W	FCM1-0801P-ARU4/W FCM1-0801P-BRU4/W



			M8 x 45	M8 x 60	M8 x 70	
Connection			2 m Cable	M8 Connector	M12 Connector	
Series			M8			
Switching Distance Sn (mm)			Standard: 2.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-0802N-A3U2/W FCM2-0802N-B3U2/W	FCM2-0802N-ACU3/W FCM2-0802N-BCU3/W	FCM2-0802N-ARU4/W FCM2-0802N-BRU4/W
		PNP 10~30V	N.O. N.C.	FCM2-0802P-A3U2/W FCM2-0802P-B3U2/W	FCM2-0802P-ACU3/W FCM2-0802P-BCU3/W	FCM2-0802P-ARU4/W FCM2-0802P-BRU4/W



			M8 x 30	M8 x 39	M8 x 53	
Connection			2 m Cable	M8 Connector	M12 Connector	
Series			M8			
Switching Distance Sn (mm)			Standard: 1.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-0801N-A3S2/W FCM1-0801N-B3S2/W	FCM1-0801N-ACS3/W FCM1-0801N-BCS3/W	FCM1-0801N-ARS4/W FCM1-0801N-BRS4/W
		PNP 10~30V	N.O. N.C.	FCM1-0801P-A3S2/W FCM1-0801P-B3S2/W	FCM1-0801P-ACS3/W FCM1-0801P-BCS3/W	FCM1-0801P-ARS4/W FCM1-0801P-BRS4/W

WFI Series



M8 x 30
2 m Cable



M8 x 39
M8 Connector



M8 x 53
M12 Connector

Connection	2 m Cable	M8 Connector	M12 Connector
Series	M8		
Switching Distance Sn (mm)	Standard: 2.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-0802N-A3S2/W FCM2-0802N-B3S2/W	FCM2-0802N-ACS3/W FCM2-0802N-BCS3/W	FCM2-0802N-ARS4/W FCM2-0802N-BRS4/W
		PNP 10~30V	N.O. N.C.	FCM2-0802P-A3S2/W FCM2-0802P-B3S2/W	FCM2-0802P-ACS3/W FCM2-0802P-BCS3/W	FCM2-0802P-ARS4/W FCM2-0802P-BRS4/W



M5 x 20 + Ø8 x 35
2 m Cable



M5 x 20 + Ø8 x 35
M12 Pigtail

Connection	2 m Cable	M12 Pigtail
Series	M8	
Switching Distance Sn (mm)	Standard: 1.0	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCS1-0501N-A3U2/W/EM-D08 FCS1-0501N-B3U2/W/EM-D08	FCS1-0501N-A3U0.15/W/EM-D08/P12 FCS1-0501N-B3U0.15/W/EM-D08/P12
		PNP 10~30V	N.O. N.C.	FCS1-0501P-A3U2/W/EM-D08 FCS1-0501P-B3U2/W/EM-D08	FCS1-0501P-A3U0.15/W/EM-D08/P12 FCS1-0501P-B3U0.15/W/EM-D08/P12



M8 x 45
M8 Connector



M8 x 53
M12 Connector



M8 x 60
M8 Connector



M8 x 70
M12 Connector

Connection	M8 Connector	M12 Connector	M8 Connector	M12 Connector
Series	M8 (PTFE Coated Metal Face)			
Switching Distance Sn (mm)	Extended: 2.0			

Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	ECS1-0802N-ACS3/W ECS1-0802N-BCS3/W	ECS1-0802N-ARS4/W ECS1-0802N-BRS4/W	ECS1-0802N-ACU3/W ECS1-0802N-BCU3/W	ECS1-0802N-ARU4/W ECS1-0802N-BRU4/W
		PNP 10~30V	N.O. N.C.	ECS1-0802P-ACS3/W ECS1-0802P-BCS3/W	ECS1-0802P-ARS4/W ECS1-0802P-BRS4/W	ECS1-0802P-ACU3/W ECS1-0802P-BCU3/W	ECS1-0802P-ARU4/W ECS1-0802P-BRU4/W

WFI Series



M8 x 45



M8 x 53



M8 x 60



M8 x 70

Connection	M8 Connector	M12 Connector	M8 Connector	M12 Connector
Series	M8 (TC4 Metal Face)			
Switching Distance Sn (mm)	Extended: 2.0			

Extended	DC 3-wire	NPN 10~30V	N.O. N.C.	ECT1-0802N-ACS3/W ECT1-0802N-BCS3/W	ECT1-0802N-ARS4/W ECT1-0802N-BRS4/W	ECT1-0802N-ACU3/W ECT1-0802N-BCU3/W	ECT1-0802N-ARU4/W ECT1-0802N-BRU4/W
		PNP 10~30V	N.O. N.C.	ECT1-0802P-ACS3/W ECT1-0802P-BCS3/W	ECT1-0802P-ARS4/W ECT1-0802P-BRS4/W	ECT1-0802P-ACU3/W ECT1-0802P-BCU3/W	ECT1-0802P-ARU4/W ECT1-0802P-BRU4/W



M8 x 15 + M12 x 50



M8 x 15 + M12 x 50

Connection	M12 Pigtail	M12 Pigtail
Series	M8 (PTFE Coated Metal Face)	M8 (TC4 Metal Face)
Switching Distance Sn (mm)	Standard: 1.0	

STD	DC 2-wire 10~60V	N.O.	FCS1-0801C-A2L0.15/S/W/EM12/P12	FCT1-0801C-A2L0.15/S/W/EM12/P12



M12 x 48



M12 x 68



M12 x 48



M12 x 68

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	M12			
Switching Distance Sn (mm)	Standard: 2.0 - 4.0			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1202N-A3U2/W FCM1-1202N-B3U2/W	FCM1-1202N-ARU4/W FCM1-1202N-BRU4/W	FCM2-1204N-A3U2/W FCM2-1204N-B3U2/W	FCM2-1204N-ARU4/W FCM2-1204N-BRU4/W
		PNP 10~30V	N.O. N.C.	FCM1-1202P-A3U2/W FCM1-1202P-B3U2/W	FCM1-1202P-ARU4/W FCM1-1202P-BRU4/W	FCM2-1204P-A3U2/W FCM2-1204P-B3U2/W	FCM2-1204P-ARU4/W FCM2-1204P-BRU4/W
	AC 3-wire	20~250V	N.O. N.C.	FCM1-1202A-A3L2/W FCM1-1202A-B3L2/W	FCM1-1202A-AUL3/W FCM1-1202A-BUL3/W	FCM2-1204A-A3L2/W FCM2-1204A-B3L2/W	FCM2-1204A-AUL3/W FCM2-1204A-BUL3/W
	AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-1202U-A3L2/W FCM1-1202U-B3L2/W	FCM1-1202U-AUL3/W FCM1-1202U-BUL3/W	FCM2-1204U-A3L2/W FCM2-1204U-B3L2/W	FCM2-1204U-AUL3/W FCM2-1204U-BUL3/W

WFI Series



Connection		M12 x 33 2 m Cable	M12 x 50 M12 Connector	M12 x 33 2 m Cable	M12 x 50 M12 Connector
Series		M12			
Switching Distance Sn (mm)		Standard: 2.0 - 4.0			

Standard	NPN 10~30V		N.O. N.C.	FCM1-1202N-A3S2/W FCM1-1202N-B3S2/W	FCM1-1202N-ARS4/W FCM1-1202N-BRS4/W	FCM2-1204N-A3S2/W FCM2-1204N-B3S2/W	FCM2-1204N-ARS4/W FCM2-1204N-BRS4/W
	DC 3-wire						
	PNP 10~30V		N.O. N.C.	FCM1-1202P-A3S2/W FCM1-1202P-B3S2/W	FCM1-1202P-ARS4/W FCM1-1202P-BRS4/W	FCM2-1204P-A3S2/W FCM2-1204P-B3S2/W	FCM2-1204P-ARS4/W FCM2-1204P-BRS4/W



	M12 x 50	M12 x 68	M12 x 50	M12 x 68
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Series	M12 (PTFE Coated Metal Face)		M12 (TC4 Metal Face)	
Switching Distance Sn (mm)	Standard: 2.0, Extended: 4.0			

STD Extended	DC 2-wire 10~60V		N.O. N.C.	FCS1-1202C-ARL4/S/W FCS1-1202C-ARL4/W	FCT1-1202C-ARL4/S/W FCT1-1202C-ARL4/W
	NPN 10~30V		N.O. N.C.	ECS1-1204N-ARS4/W ECS1-1204N-BRS4/W	ECT1-1204N-ARS4/W ECT1-1204N-BRS4/W
	DC 3-wire				
	PNP 10~30V		N.O. N.C.	ECS1-1204P-ARS4/W ECS1-1204P-BRS4/W	ECT1-1204P-ARS4/W ECT1-1204P-BRS4/W



Connection		M18 x 60 2 m Cable	M18 x 74 M12 Connector	M18 x 78 7/8"-16UN-2A
Series		M18		
Switching Distance Sn (mm)		Standard: 5.0		

Standard	NPN 10~30V		N.O. N.C.	FCM1-1805N-A3U2/W FCM1-1805N-B3U2/W	FCM1-1805N-ARU4/W FCM1-1805N-BRU4/W	FCM1-1805N-AZU4/2/W FCM1-1805N-BZU4/2/W
	DC 3-wire					
	PNP 10~30V		N.O. N.C.	FCM1-1805P-A3U2/W FCM1-1805P-B3U2/W	FCM1-1805P-ARU4/W FCM1-1805P-BRU4/W	FCM1-1805P-AZU4/2/W FCM1-1805P-BZU4/2/W
	AC 3-wire 20~250V		N.O. N.C.	FCM1-1805A-A3L2/W FCM1-1805A-B3L2/W	FCM1-1805A-AUL3/W FCM1-1805A-BUL3/W	FCM1-1805A-AZL3/2/W FCM1-1805A-BZL3/2/W
	AC/DC 3-wire 20~250V		N.O. N.C.	FCM1-1805U-A3L2/W FCM1-1805U-B3L2/W	FCM1-1805U-AUL3/W FCM1-1805U-BUL3/W	FCM1-1805U-AZL3/2/W FCM1-1805U-BZL3/2/W

WFI Series



M18 x 60



M18 x 74



M18 x 78

Connection	M18 x 60 2 m Cable	M18 x 74 M12 Connector	M18 x 78 7/8"-16UN-2A
Series	M18		
Switching Distance Sn (mm)	Standard: 8.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-1808N-A3U2/W FCM2-1808N-B3U2/W	FCM2-1808N-ARU4/W FCM2-1808N-BRU4/W	FCM2-1808N-AZU4/2/W FCM2-1808N-BZU4/2/W
		PNP 10~30V	N.O. N.C.	FCM2-1808P-A3U2/W FCM2-1808P-B3U2/W	FCM2-1808P-ARU4/W FCM2-1808P-BRU4/W	FCM2-1808P-AZU4/2/W FCM2-1808P-BZU4/2/W
	AC 3-wire 20~250V		N.O. N.C.	FCM2-1808A-A3L2/W FCM2-1808A-B3L2/W	FCM2-1808A-AUL3/W FCM2-1808A-BUL3/W	FCM2-1808A-AZL3/2/W FCM2-1808A-BZL3/2/W
	AC/DC 3-wire 20~250V		N.O. N.C.	FCM2-1808U-A3L2/W FCM2-1808U-B3L2/W	FCM2-1808U-AUL3/W FCM2-1808U-BUL3/W	FCM2-1808U-AZL3/2/W FCM2-1808U-BZL3/2/W



M18 x 82



M18 x 82



M18 x 82

Connection	M18 x 82 M12 Connector	M18 x 82 7/8"-16UN-2A	M18 x 82 M12 Connector
Series	M18		
Switching Distance Sn (mm)	Standard: 5.0 - 8.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1805N-ARU4Y/W FCM1-1805N-BRU4Y/W	FCM1-1805N-AZU4Y/W FCM1-1805N-BZU4Y/W	FCM2-1808N-ARU4Y/W FCM2-1808N-BRU4Y/W
		PNP 10~30V	N.O. N.C.	FCM1-1805P-ARU4Y/W FCM1-1805P-BRU4Y/W	FCM1-1805P-AZU4Y/W FCM1-1805P-BZU4Y/W	FCM2-1808P-ARU4Y/W FCM2-1808P-BRU4Y/W
	AC 3-wire 20~250V		N.O. N.C.	FCM1-1805A-AUL3Y/W FCM1-1805A-BUL3Y/W	FCM1-1805A-AZL3Y/W FCM1-1805A-BZL3Y/W	FCM2-1808A-AUL3Y/W FCM2-1808A-BUL3Y/W
	AC/DC 3-wire 20~250V		N.O. N.C.	FCM1-1805U-AUL3Y/W FCM1-1805U-BUL3Y/W	FCM1-1805U-AZL3Y/W FCM1-1805U-BZL3Y/W	FCM2-1808U-AUL3Y/W FCM2-1808U-BUL3Y/W

WFI Series



M18 x 67



M18 x 67



M18 x 78

Connection	M12 Connector	7/8"-16UN-2A	M12 Connector
Series	M18		
Switching Distance Sn (mm)	Standard: 5.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1805N-ARU4Y/2/W FCM1-1805N-BRU4Y/2/W	FCM1-1805N-AZU4Y/2/W FCM1-1805N-BZU4Y/2/W	FCM1-1805N-ARU4/2/W FCM1-1805N-BRU4/2/W
		PNP 10~30V	N.O. N.C.	FCM1-1805P-ARU4Y/2/W FCM1-1805P-BRU4Y/2/W	FCM1-1805P-AZU4Y/2/W FCM1-1805P-BZU4Y/2/W	FCM1-1805P-ARU4/2/W FCM1-1805P-BRU4/2/W
	AC 3-wire 20~250V		N.O. N.C.	FCM1-1805A-AUL3Y/2/W FCM1-1805A-BUL3Y/2/W	FCM1-1805A-AZL3Y/2/W FCM1-1805A-BZL3Y/2/W	FCM1-1805A-ARU4/2/W FCM1-1805A-BRU4/2/W
	AC/DC 3-wire 20~250V		N.O. N.C.	FCM1-1805U-AUL3Y/2/W FCM1-1805U-BUL3Y/2/W	FCM1-1805U-AZL3Y/2/W FCM1-1805U-BZL3Y/2/W	FCM1-1805U-ARU4/2/W FCM1-1805U-BRU4/2/W



M18 x 38



M18 x 53



M18 x 38



M18 x 53

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	M18			
Switching Distance Sn (mm)	Standard: 5.0 - 8.0			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-1805N-A3S2/W FCM1-1805N-B3S2/W	FCM1-1805N-ARS4/W FCM1-1805N-BRS4/W	FCM2-1808N-A3S2/W FCM2-1808N-B3S2/W	FCM2-1808N-ARS4/W FCM2-1808N-BRS4/W
		PNP 10~30V	N.O. N.C.	FCM1-1805P-A3S2/W FCM1-1805P-B3S2/W	FCM1-1805P-ARS4/W FCM1-1805P-BRS4/W	FCM2-1808P-A3S2/W FCM2-1808P-B3S2/W	FCM2-1808P-ARS4/W FCM2-1808P-BRS4/W



M18 x 53



M18 x 81



M18 x 81

Connection	M12 Connector	M12 Connector	M12 Connector
Series	M18 (PTFE Coated Metal Face)		M18 (PTFE Coated Metal Face & Non-Ferrous Sensing)
Switching Distance Sn (mm)	Standard: 5.0, Extended: 8.0		

Standard	DC 2-wire 10~60V		N.O. N.C.	FCS1-1805C-ARL4/S/W	FCS1-1805C-ARL4/W	
	DC 3-wire PNP 10~30V		N.O. N.C.			FCS1-1805P-ARU4/W/NFE
	NPN 10~30V		N.O. N.C.	ECS1-1808N-ARS4/W ECS1-1808N-BRS4/W	ECS1-1808N-ARU4/W ECS1-1808N-BRU4/W	
	PNP 10~30V		N.O. N.C.	ECS1-1808P-ARS4/W ECS1-1808P-BRS4/W	ECS1-1808P-ARU4/W ECS1-1808P-BRU4/W	

WFI Series



			M18 x 53	M18 x 81	
Connection			M12 Connector	M12 Connector	
Series			M18 (TC4 Metal Face)		
Switching Distance Sn (mm)			Standard: 5.0, Extended: 8.0		
STD Extended	DC 2-wire	10~60V	N.O. N.C.	FCT1-1805C-ARL4/S/W	FCT1-1805C-ARL4/W
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECT1-1808N-ARS4/W ECT1-1808N-BRS4/W	ECT1-1808N-ARU4/W ECT1-1808N-BRU4/W
		PNP 10~30V	N.O. N.C.	ECT1-1808P-ARS4/W ECT1-1808P-BRS4/W	ECT1-1808P-ARU4/W ECT1-1808P-BRU4/W



			M30 x 35	M30 x 48	M30 x 40	M30 x 53	
Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M30				
Switching Distance Sn (mm)			Standard: 10.0 - 15.0				
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-3010N-A3S2/W FCM1-3010N-B3S2/W	FCM1-3010N-ARS4/W FCM1-3010N-BRS4/W	FCM2-3015N-A3S2/W FCM2-3015N-B3S2/W	FCM2-3015N-ARS4/W FCM2-3015N-BRS4/W
		PNP 10~30V	N.O. N.C.	FCM1-3010P-A3S2/W FCM1-3010P-B3S2/W	FCM1-3010P-ARS4/W FCM1-3010P-BRS4/W	FCM2-3015P-A3S2/W FCM2-3015P-B3S2/W	FCM2-3015P-ARS4/W FCM2-3015P-BRS4/W



			M30 x 65	M30 x 78	M30 x 80	
Connection			2 m Cable	M12 Connector	7/8"-16UN-2A	
Series			M30			
Switching Distance Sn (mm)			Standard: 10.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-3010N-A3U2/W FCM1-3010N-B3U2/W	FCM1-3010N-ARU4/W FCM1-3010N-BRU4/W	FCM1-3010N-AZU4/W FCM1-3010N-BZU4/W
		PNP 10~30V	N.O. N.C.	FCM1-3010P-A3U2/W FCM1-3010P-B3U2/W	FCM1-3010P-ARU4/W FCM1-3010P-BRU4/W	FCM1-3010P-AZU4/W FCM1-3010P-BZU4/W
	AC 3-wire	20~250V	N.O. N.C.	FCM1-3010A-A3L2/W FCM1-3010A-B3L2/W	FCM1-3010A-AUL3/W FCM1-3010A-BUL3/W	FCM1-3010A-AZL3/W FCM1-3010A-BZL3/W
	AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-3010U-A3L2/W FCM1-3010U-B3L2/W	FCM1-3010U-AUL3/W FCM1-3010U-BUL3/W	FCM1-3010U-AZL3/W FCM1-3010U-BZL3/W

WFI Series



M30 x 65



M30 x 78



M30 x 80

Connection	2 m Cable	M12 Connector	7/8"-16UN-2A
Series	M30		
Switching Distance Sn (mm)	Standard: 15.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM2-3015N-A3U2/W FCM2-3015N-B3U2/W	FCM2-3015N-ARU4/W FCM2-3015N-BRU4/W	FCM2-3015N-AZU4/W FCM2-3015N-BZU4/W
		PNP 10~30V	N.O. N.C.	FCM2-3015P-A3U2/W FCM2-3015P-B3U2/W	FCM2-3015P-ARU4/W FCM2-3015P-BRU4/W	FCM2-3015P-AZU4/W FCM2-3015P-BZU4/W
	AC 3-wire	20~250V	N.O. N.C.	FCM2-3015A-A3L2/W FCM2-3015A-B3L2/W	FCM2-3015A-AUL3/W FCM2-3015A-BUL3/W	FCM2-3015A-AZL3/W FCM2-3015A-BZL3/W
	AC/DC 3-wire	20~250V	N.O. N.C.	FCM2-3015U-A3L2/W FCM2-3015U-B3L2/W	FCM2-3015U-AUL3/W FCM2-3015U-BUL3/W	FCM2-3015U-AZL3/W FCM2-3015U-BZL3/W



M30 x 67



M30 x 67

Connection	M12 Connector	7/8"-16UN-2A
Series	M30	
Switching Distance Sn (mm)	Standard: 10.0	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-3010N-ARU4Y/2/W FCM1-3010N-BRU4Y/2/W	FCM1-3010N-AZU4Y/2/W FCM1-3010N-BZU4Y/2/W
		PNP 10~30V	N.O. N.C.	FCM1-3010P-ARU4Y/2/W FCM1-3010P-BRU4Y/2/W	FCM1-3010P-AZU4Y/2/W FCM1-3010P-BZU4Y/2/W
	AC 3-wire	20~250V	N.O. N.C.	FCM1-3010A-AUL3Y/2/W FCM1-3010A-BUL3Y/2/W	FCM1-3010A-AZL3Y/2/W FCM1-3010A-BZL3Y/2/W
	AC/DC 3-wire	20~250V	N.O. N.C.	FCM1-3010U-AUL3Y/2/W FCM1-3010U-BUL3Y/2/W	FCM1-3010U-AZL3Y/2/W FCM1-3010U-BZL3Y/2/W



M30 x 58



M30 x 81



M30 x 58



M30 x 81

Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Series	M30 (PTFE Coated Metal Face)		M30 (TC4 Metal Face)	
Switching Distance Sn (mm)	Standard: 10.0, Extended: 15.0			

STD Extended	DC 2-wire	10~60V	N.O.	FCS1-3010C-ARL4/S/W	FCS1-3010C-ARL4/W	FCT1-3010C-ARL4/S/W	FCT1-3010C-ARL4/W
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECS1-3015N-ARS4/W ECS1-3015N-BRS4/W	ECS1-3015N-ARU4/W ECS1-3015N-BRU4/W	ECT1-3015N-ARS4/W ECT1-3015N-BRS4/W	ECT1-3015N-ARU4/W ECT1-3015N-BRU4/W
		PNP 10~30V	N.O. N.C.	ECS1-3015P-ARS4/W ECS1-3015P-BRS4/W	ECS1-3015P-ARU4/W ECS1-3015P-BRU4/W	ECT1-3015P-ARS4/W ECT1-3015P-BRS4/W	ECT1-3015P-ARU4/W ECT1-3015P-BRU4/W

WFI Series



20 x 32 x 10



20 x 32 x 10



20 x 32 x 10



20 x 32 x 10

Connection	2 m Cable	M8 Connector	2 m Cable	M8 Connector
Series	Q20		Q20 (Metal Face)	
Switching Distance Sn (mm)	Standard: 5.0			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FQM1-2005N-A3U2T/W FQM1-2005N-B3U2T/W	FQM1-2005N-ACU3T/W FQM1-2005N-BCU3T/W	
		PNP 10~30V	N.O. N.C.	FQM1-2005P-A3U2T/W FQM1-2005P-B3U2T/W	FQM1-2005P-ACU3T/W FQM1-2005P-BCU3T/W	
	DC 4-wire	10~30V N.O./N.C.	PNP		FQS1-2005P-S4U2T/W	FQS1-2005P-SCU4T/W



25 x 50 x 10



25 x 50 x 10



40 x 40 x 65

Connection	2 m Cable	M8 Connector	M12 Connector	7/8"-16UN-2A
Series	Q25		Q40s	
Switching Distance Sn (mm)	Standard: 5.0		Standard: 15.0	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FQM1-2505N-A3U2T/W FQM1-2505N-B3U2T/W	FQM1-2505N-ACU3T/W FQM1-2505N-BCU3T/W	FQP1-4015N-ARS4/W FQP1-4015N-BRS4/W	FQP1-4015N-AZS4/W FQP1-4015N-BZS4/W
		PNP 10~30V	N.O. N.C.	FQM1-2505P-A3U2T/W FQM1-2505P-B3U2T/W	FQM1-2505P-ACU3T/W FQM1-2505P-BCU3T/W	FQP1-4015P-ARS4/W FQP1-4015P-BRS4/W	FQP1-4015P-AZS4/W FQP1-4015P-BZS4/W
	AC 2-wire	20~250V	N.O. N.C.			FQP1-4015A-AUL3/S/W FQP1-4015A-BUL3/S/W	FQP1-4015A-AZL3/S/W FQP1-4015A-BZL3/S/W
		AC/DC 2-wire 20~250V	N.O. N.C.			FQP1-4015U-AUL3/S/W FQP1-4015U-BUL3/S/W	FQP1-4015U-AZL3/S/W FQP1-4015U-BZL3/S/W

Analog Sensors



Connection	M12 x 75 2 m Cable	M12 x 80 M12 Connector	M12 x 75 2 m Cable	M12 x 80 M12 Connector
Series	M12			
Switching Distance Sn (mm)	Standard: 2.5 - 4.0			

Standard	Voltage output 18~30V	FCM1-122.5G-V3U2	FCM1-122.5G-VRU4	FCM2-1204G-V3U2	FCM2-1204G-VRU4
	Current output 18~30V	FCM1-122.5G-I3U2	FCM1-122.5G-IRU4	FCM2-1204G-I3U2	FCM2-1204G-IRU4



Connection	M18 x 35 2 m Cable	M18 x 48 M12 Connector
Series	M18	
Switching Distance Sn (mm)	Standard: 5.0	

Standard	Voltage output 18~30V	FCM1-1805G-V3S2	FCM1-1805G-VRS4
	Current output 18~30V	FCM1-1805G-I3S2	FCM1-1805G-IRS4



Connection	M18 x 80 2 m Cable	M18 x 91 M12 Connector	M18 x 80 2 m Cable	M18 x 91 M12 Connector
Series	M18			
Switching Distance Sn (mm)	Standard: 4.0 - 7.0			

Standard	Voltage output 18~30V	FCM1-1804G-V3U2	FCM1-1804G-VRU4	FCM2-1807G-V3U2	FCM2-1807G-VRU4
	Current output 18~30V	FCM1-1804G-I3U2	FCM1-1804G-IRU4	FCM2-1807G-I3U2	FCM2-1807G-IRU4
	Voltage & Current output 18~30V	FCM1-1804G-M4U2	FCM1-1804G-MRU4	FCM2-1807G-M4U2	FCM2-1807G-MRU4

Analog Sensors



M30 x 80



M30 x 91



M30 x 80



M30 x 91

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
------------	-----------	---------------	-----------	---------------

Series	M30			
--------	-----	--	--	--

Switching Distance Sn (mm)	Standard: 10.0 - 14.0, Extended 15.0 - 25.0, Long: 20.0			
----------------------------	---	--	--	--

Standard	Voltage output 18-30V	FCM1-3010G-V3U2	FCM1-3010G-VRU4	FCM2-3014G-V3U2	FCM2-3014G-VRU4
	Current output 18-30V	FCM1-3010G-I3U2	FCM1-3010G-IRU4	FCM2-3014G-I3U2	FCM2-3014G-IRU4
	Voltage & Current output 18-30V	FCM1-3010G-M4U2	FCM1-3010G-MRU4	FCM2-3014G-M4U2	FCM2-3014G-MRU4
EXD	Voltage output 18-30V	ECM1-3015G-V3U2	ECM1-3015G-VRU4	ECM2-3025G-V3U2	ECM2-3025G-VRU4
LNG	Current output 18-30V	LCM1-3020G-I3U2	LCM1-3020G-IRU4		



40 x 40 x 65



40 x 40 x 118

Connection	M12 Connector	Terminal
------------	---------------	----------

Series	Q40s	Q40
--------	------	-----

Switching Distance Sn (mm)	Standard: 15.0 - 20.0			
----------------------------	-----------------------	--	--	--

Standard	Voltage output 18-30V	FQP1-4015G-VRS4	FQP2-4020G-VRS4	FQP1-4015G-V3U	FQP2-4020G-V3U
	Current output 18-30V	FQP1-4015G-IRS4	FQP2-4020G-IRS4	FQP1-4015G-I3U	FQP2-4020G-I3U
	Voltage & Current output 18-30V	FQP1-4015G-MRS4	FQP2-4020G-MRS4	FQP1-4015G-M4U	FQP2-4020G-M4U



M30 x 80

Connection	2 m Cable
------------	-----------

Series	M30 (Metalface)
--------	-----------------

Switching Distance Sn (mm)	Standard: 10.0
----------------------------	----------------

STD	Current output 18-30V	FCS1-3010G-I3U2
-----	-----------------------	-----------------

High Temperature Series



M8 x 45

M8 x 45

M12 x 50

M12 x 50

Connection	2 m Cable	2 m Cable	2 m Cable	2 m Cable
Series	M8 (-25~85°C)		M12 (-25~85°C)	
Switching Distance Sn (mm)	Standard: 1.0 - 2.0		Standard: 2.0 - 4.0	

Standard	DC 2-wire 10~60V	N.O. N.C.	TCM1-0801C-A2U2 TCM1-0801C-B2U2	TCM2-0802C-A2U2 TCM2-0802C-B2U2	TCM1-1202C-A2U2 TCM1-1202C-B2U2	TCM2-1204C-A2U2 TCM2-1204C-B2U2
	DC 3-wire	NPN 10~30V	TCM1-0801N-A3U2 TCM1-0801N-B3U2	TCM2-0802N-A3U2 TCM2-0802N-B3U2	TCM1-1202N-A3U2 TCM1-1202N-B3U2	TCM2-1204N-A3U2 TCM2-1204N-B3U2
		PNP 10~30V	TCM1-0801P-A3U2 TCM1-0801P-B3U2	TCM2-0802P-A3U2 TCM2-0802P-B3U2	TCM1-1202P-A3U2 TCM1-1202P-B3U2	TCM2-1204P-A3U2 TCM2-1204P-B3U2
	DC 4-wire	10~30V N.O./N.C.	TCM1-0801N-S4U2 TCM1-0801P-S4U2	TCM2-0802N-S4U2 TCM2-0802P-S4U2	TCM1-1202N-S4U2 TCM1-1202P-S4U2	TCM2-1204N-S4U2 TCM2-1204P-S4U2
	NAMUR	6~12V			TCM1-1202NU	TCM2-1204NU



M18 x 55

M18 x 55

M30 x 55

M30 x 55

M30 x 78

Connection	2 m Cable	2 m Cable	2 m Cable	2 m Cable	M12 Connector
Series	M18 (-25~85°C)		M30 (-25~85°C)		M30 (-25~140°C)
Switching Distance Sn (mm)	Standard: 5.0 - 8.0		Standard: 10.0 - 15.0		Standard: 10.0

Standard	DC 2-wire 10~60V	N.O. N.C.	TCM1-1805C-A2U2 TCM1-1805C-B2U2	TCM2-1808C-A2U2 TCM2-1808C-B2U2	TCM1-3010C-A2U2 TCM1-3010C-B2U2	TCM2-3015C-A2U2 TCM2-3015C-B2U2
	DC 3-wire	NPN 10~30V	TCM1-1805N-A3U2 TCM1-1805N-B3U2	TCM2-1808N-A3U2 TCM2-1808N-B3U2	TCM1-3010N-A3U2 TCM1-3010N-B3U2	TCM2-3015N-A3U2 TCM2-3015N-B3U2
		PNP 10~30V	TCM1-1805P-A3U2 TCM1-1805P-B3U2	TCM2-1808P-A3U2 TCM2-1808P-B3U2	TCM1-3010P-A3U2 TCM1-3010P-B3U2	TCU1-3010P-ARU4/140C TCM2-3015P-B3U2
	DC 4-wire	10~30V N.O./N.C.	TCM1-1805N-S4U2 TCM1-1805P-S4U2	TCM2-1808N-S4U2 TCM2-1808P-S4U2	TCM1-3010N-S4U2 TCM1-3010P-S4U2	TCM2-3015N-S4U2 TCM2-3015P-S4U2
	AC 3-wire 20~250V	N.O. N.C.	TCM1-1805A-A3L2 TCM1-1805A-B3L2	TCM2-1808A-A3L2 TCM2-1808A-B3L2	TCM1-3010A-A3L2 TCM1-3010A-B3L2	TCM2-3015A-A3L2 TCM2-3015A-B3L2
	NAMUR	6~12V	TCM1-1805NU	TCM2-1808NU	TCM1-3010NU	TCM2-3015NU

High Temperature Series



M8 x 70



M12 x 68



M18 x 79

Connection	M12 Connector		
Series	M8 (-25~120°C)	M12 (-25~120°C)	M18 (-25~120°C)
Switching Distance Sn (mm)	Standard: 1.0	Standard: 2.0	Standard: 5.0

Standard	DC 3-wire	NPN 10~30V N.O.	TCS1-0801N-ARU4/120C/NO LED	TCS1-1202N-ARU4/120C/NO LED	TCS1-1805N-ARU4/120C/NO LED
		PNP 10~30V N.O.	TCS1-0801P-ARU4/120C/NO LED	TCS1-1202P-ARU4/120C/NO LED	TCS1-1805P-ARU4/120C/NO LED



M30 x 78



M8 x 70



M12 x 68

Connection	M12 Connector		
Series	M30 (-25~120°C)	M8 (-25~140°C)	M12 (-25~140°C)
Switching Distance Sn (mm)	Standard: 10.0	Standard: 1.0	Standard: 2.0

Standard	DC 3-wire	NPN 10~30V N.O.	TCS1-3010N-ARU4/120C/NO LED	TCS1-0801N-ARU4/140C/NO LED	TCS1-1202N-ARU4/140C/NO LED
		PNP 10~30V N.O.	TCS1-3010P-ARU4/120C/NO LED	TCS1-0801P-ARU4/140C/NO LED	TCS1-1202P-ARU4/140C/NO LED



M18 x 79



M30 x 78



M8 x 70

Connection	M12 Connector		
Series	M18 (-25~140°C)	M30 (-25~140°C)	M8 (0~160°C)
Switching Distance Sn (mm)	Standard: 5.0	Standard: 10.0	Standard: 1.0

Standard	DC 3-wire	NPN 10~30V N.O.	TCS1-1805N-ARU4/140C/NO LED	TCS1-3010N-ARU4/140C/NO LED	TCS1-0801N-ARU4/160C/NO LED
		PNP 10~30V N.O.	TCS1-1805P-ARU4/140C/NO LED	TCS1-3010P-ARU4/140C/NO LED	TCS1-0801P-ARU4/160C/NO LED

High Temperature Series



M12 x 68



M18 x 79



M30 x 78

Connection	M12 Connector		
Series	M12 (0~160°C)	M18 (0~160°C)	M30 (0~160°C)
Switching Distance Sn (mm)	Standard: 2.0	Standard: 5.0	Standard: 10.0

Standard	DC 3-wire	NPN 10~30V N.O.	TCS1-1202N-ARU4/160C/NO LED	TCS1-1805N-ARU4/160C/NO LED	TCS1-3010N-ARU4/160C/NO LED
		PNP 10~30V N.O.	TCS1-1202P-ARU4/160C/NO LED	TCS1-1805P-ARU4/160C/NO LED	TCS1-3010P-ARU4/160C/NO LED



M8 x 70



M12 x 68

Connection	M12 Connector	
Series	M8 (0~200°C)	M12 (0~200°C)
Switching Distance Sn (mm)	Standard: 1.0	Standard: 2.0

Standard	DC 3-wire	NPN 10~30V N.O.	TCS1-0801N-ARU4/200C/EM12	TCS1-1202N-ARU4/200C/EM12
		PNP 10~30V N.O.	TCS1-0801P-ARU4/200C/EM12	TCS1-1202P-ARU4/200C/EM12



M18 x 79



M30 x 78

Connection	M12 Connector	
Series	M18 (0~200°C)	M30 (0~200°C)
Switching Distance Sn (mm)	Standard: 5.0	Standard: 10.0

Standard	DC 3-wire	NPN 10~30V N.O.	TCS1-1805N-ARU4/200C/EM12	TCS1-3010N-ARU4/200C/EM12
		PNP 10~30V N.O.	TCS1-1805P-ARU4/200C/EM12	TCS1-3010P-ARU4/200C/EM12

High Pressure Series



M12 x 50



M12 x 56



M12 x 69



M12 x 78

Connection	M12 Connector				
Series	M12 500 bar				
Switching Distance Sn (mm)	Standard: 1.5				

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	PCU1-121.5N-ARU4/50 PCU1-121.5N-BRU4/50	PCU1-121.5N-ARU4/56A	PCU1-121.5N-ARU4/69B PCU1-121.5N-BRU4/69B	PCU1-121.5N-ARU4/78 PCU1-121.5N-BRU4/78
		PNP 10~30V	N.O. N.C.	PCU1-121.5P-ARU4/50	PCU1-121.5P-ARU4/56A	PCU1-121.5P-ARU4/69B PCU1-121.5P-BRU4/69B	PCU1-121.5P-ARU4/78 PCU1-121.5P-BRU4/78



M12 x 93



M12 x 138



M18 x 73

Connection	M12 Connector	
Series	M12 500 bar	M18 500 bar
Switching Distance Sn (mm)	Standard: 1.5	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	PCU1-121.5N-ARU4/93 PCU1-121.5N-BRU4/93	PCU1-121.5N-ARU4/138 PCU1-121.5N-BRU4/138	PCU1-181.5N-ARU4/73 PCU1-181.5N-BRU4/73
		PNP 10~30V	N.O. N.C.	PCU1-121.5P-ARU4/93 PCU1-121.5P-BRU4/93	PCU1-121.5P-ARU4/138 PCU1-121.5P-BRU4/138	PCU1-181.5P-ARU4/73 PCU1-181.5P-BRU4/73



Connection	M12 Connector	7/8"-16UN-2A
Series	26.03 mm 210 bar	31.75 mm 210 bar
Switching Distance Sn (mm)	Standard: 2.0	

Standard	DC 3-wire	PNP 10~30V	N.O.	MQD2-EE4P1-ARU4/W/26	
	AC/DC 3-wire	20~250V	N.O.		MQD2-EE1UO-AZL3/W/31



M12 x 61



Connection	M12 Connector	
Series	M12 500 bar (TC4 Metal Face)	
Switching Distance Sn (mm)	Standard: 1.5	Standard: 3.0

STD	DC 3-wire	PNP 10~30V	N.O.	PCT1-121.5P-ARU4/61/Ø10/M12/SW16	PCU1-1803P-ARU4/58

Slot Sensor Series



15 x 10 x 20



10 x 13.5 x 20



15 x 31 x 29



15 x 31 x 29

Connection	2 m Cable			M8 Connector
Series	U3.5 x 10	U5 x 9	U5 x 19	
Slot Width (mm)	Standard: 3.5		Standard: 5	

Standard	DC 2-wire	10~60V	N.O. N.C.			UUP2-U0519C-A2U2 UUP2-U0519C-B2U2	UUP2-U0519C-ACU3 UUP2-U0519C-BCU3
	DC 3-wire	NPN 10~30V	N.O. N.C.	UUP2-U3.510N-A3U2 UUP2-U3.510N-B3U2	UUP2-U0509N-A3U2 UUP2-U0509N-B3U2	UUP2-U0519N-A3U2 UUP2-U0519N-B3U2	UUP2-U0519N-ACU3 UUP2-U0519N-BCU3
		PNP 10~30V	N.O. N.C.	UUP2-U3.510P-A3U2 UUP2-U3.510P-B3U2	UUP2-U0509P-A3U2 UUP2-U0509P-B3U2	UUP2-U0519P-A3U2 UUP2-U0519P-B3U2	UUP2-U0519P-ACU3 UUP2-U0519P-BCU3
		NAMUR	6~12V	UUP2-U3.510NU	UUP2-U0509NU	UUP2-U0519NU	



25 x 45 x 44



25 x 45 x 44



30 x 60 x 48



30 x 60 x 48

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	U10 x 32		U15 x 42	
Slot Width (mm)	Standard: 10.0		Standard: 15.0	

Standard	DC 2-wire	10~60V	N.O. N.C.	UUP2-U1032C-A3U2 UUP2-U1032C-B3U2	UUP2-U1032C-ARU4 UUP2-U1032C-BRU4	UUP2-U1542C-A2U2 UUP2-U1542C-B2U2	UUP2-U1542C-ARU4 UUP2-U1542C-BRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	UUP2-U1032N-A3U2 UUP2-U1032N-B3U2	UUP2-U1032N-ARU4 UUP2-U1032N-BRU4	UUP2-U1542N-A3U2 UUP2-U1542N-B3U2	UUP2-U1542N-ARU4 UUP2-U1542N-BRU4
		PNP 10~30V	N.O. N.C.	UUP2-U1032P-A3U2 UUP2-U1032P-B3U2	UUP2-U1032P-ARU4 UUP2-U1032P-BRU4	UUP2-U1542P-A3U2 UUP2-U1542P-B3U2	UUP2-U1542P-ARU4 UUP2-U1542P-BRU4
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	UUP2-U1032N-S4U2 UUP2-U1032P-S4U2	UUP2-U1032N-SRU4 UUP2-U1032P-SRU4	UUP2-U1542N-S4U2 UUP2-U1542P-S4U2
	AC 2-wire	20~250V	N.O. N.C.			UUP2-U1542A-A2L2 UUP2-U1542A-B2L2	UUP2-U1542A-AUL3 UUP2-U1542A-BUL3
	NAMUR	6~12V		UUP2-U1032NU		UUP2-U1542NU	

Slot Sensor Series



33 x 118 x 96



33 x 118 x 96



33 x 118 x 96

Connection			2 m Cable	M12 Connector	7/8"-16UN2A	
Series			U30 x 80			
Slot Width (mm)			Standard: 30.0			
Standard	DC 2-wire	10~60V	N.O. N.C.	UUP2-U3080C-A2U2 UUP2-U3080C-B2U2	UUP2-U3080C-ARU4 UUP2-U3080C-BRU4	UUP2-U3080C-AZU4 UUP2-U3080C-BZU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	UUP2-U3080N-A3U2 UUP2-U3080N-B3U2	UUP2-U3080N-ARU4 UUP2-U3080N-BRU4	UUP2-U3080N-AZU4 UUP2-U3080N-BZU4
		PNP 10~30V	N.O. N.C.	UUP2-U3080P-A3U2 UUP2-U3080P-B3U2	UUP2-U3080P-ARU4 UUP2-U3080P-BRU4	UUP2-U3080P-AZU4 UUP2-U3080P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	UUP2-U3080N-S4U2 UUP2-U3080P-S4U2	UUP2-U3080N-SRU4 UUP2-U3080P-SRU4	UUP2-U3080N-SZU4 UUP2-U3080P-SZU4
	AC 2-wire	20~250V	N.O. N.C.	UUP2-U3080A-A2L2 UUP2-U3080A-B2L2	UUP2-U3080A-AUL3 UUP2-U3080A-BUL3	UUP2-U3080A-AZL2 UUP2-U3080A-BZL2
	NAMUR	6~12V		UUP2-U3080NU		

Ring Sensor Series



35 x 60 x 20



35 x 60 x 20



35 x 60 x 20



35 x 60 x 20

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	R10		R10 (With one-shot)	
Ring Diameter (mm)	Standard: 10.0			

Standard	DC 2-wire	10~60V	N.O. N.C.	RRP2-R1020C-A2U2 RRP2-R1020C-B2U2	RRP2-R1020C-ARU4 RRP2-R1020C-BRU4		
	DC 3-wire	NPN 10~30V	N.O. N.C.	RRP2-R1020N-A3U2 RRP2-R1020N-B3U2	RRP2-R1020N-ARU4 RRP2-R1020N-BRU4	RRP2-R1020N-A3U2T RRP2-R1020N-B3U2T	RRP2-R1020N-ARU4T RRP2-R1020N-BRU4T
		PNP 10~30V	N.O. N.C.	RRP2-R1020P-A3U2 RRP2-R1020P-B3U2	RRP2-R1020P-ARU4 RRP2-R1020P-BRU4	RRP2-R1020P-A3U2T RRP2-R1020P-B3U2T	RRP2-R1020P-ARU4T RRP2-R1020P-BRU4T
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	RRP2-R1020N-S4U2 RRP2-R1020P-S4U2	RRP2-R1020N-SRU4 RRP2-R1020P-SRU4		



35 x 60 x 20



35 x 60 x 20



35 x 60 x 20



35 x 60 x 20

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	R15		R15 (With one-shot)	
Ring Diameter (mm)	Standard: 15.0			

Standard	DC 2-wire	10~60V	N.O. N.C.	RRP2-R1520C-A2U2 RRP2-R1520C-B2U2	RRP2-R1520C-ARU4 RRP2-R1520C-BRU4		
	DC 3-wire	NPN 10~30V	N.O. N.C.	RRP2-R1520N-A3U2 RRP2-R1520N-B3U2	RRP2-R1520N-ARU4 RRP2-R1520N-BRU4	RRP2-R1520N-A3U2T RRP2-R1520N-B3U2T	RRP2-R1520N-ARU4T RRP2-R1520N-BRU4T
		PNP 10~30V	N.O. N.C.	RRP2-R1520P-A3U2 RRP2-R1520P-B3U2	RRP2-R1520P-ARU4 RRP2-R1520P-BRU4	RRP2-R1520P-A3U2T RRP2-R1520P-B3U2T	RRP2-R1520P-ARU4T RRP2-R1520P-BRU4T
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	RRP2-R1520N-S4U2 RRP2-R1520P-S4U2	RRP2-R1520N-SRU4 RRP2-R1520P-SRU4		

Ring Sensor Series



35 x 60 x 20



35 x 60 x 20



35 x 60 x 20



35 x 60 x 20

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	R21		R21 (With one-shot)	
Ring Diameter (mm)	Standard: 21.0			

Standard	DC 2-wire 10~60V	N.O. N.C.	RRP2-R2120C-A2U2 RRP2-R2120C-B2U2	RRP2-R2120C-ARU4 RRP2-R2120C-BRU4	
	DC 3-wire	NPN 10~30V	RRP2-R2120N-A3U2 RRP2-R2120N-B3U2	RRP2-R2120N-ARU4 RRP2-R2120N-BRU4	RRP2-R2120N-A3U2T RRP2-R2120N-B3U2T
		PNP 10~30V	RRP2-R2120P-A3U2 RRP2-R2120P-B3U2	RRP2-R2120P-ARU4 RRP2-R2120P-BRU4	RRP2-R2120P-A3U2T RRP2-R2120P-B3U2T
	DC 4-wire	10~30V N.O./N.C.	RRP2-R2120N-S4U2 RRP2-R2120P-S4U2	RRP2-R2120N-SRU4 RRP2-R2120P-SRU4	
	AC 2-wire 20~250V	N.O. N.C.	RRP2-R2120A-A2L2 RRP2-R2120A-B2L2	RRP2-R2120A-AUL3 RRP2-R2120A-BUL3	



40 x 68 x 20



40 x 68 x 20



40 x 68 x 20



40 x 68 x 20

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	R30		R30 (With one-shot)	
Ring Diameter (mm)	Standard: 30.0			

Standard	DC 2-wire 10~60V	N.O. N.C.	RRP2-R3020C-A2U2 RRP2-R3020C-B2U2	RRP2-R3020C-ARU4 RRP2-R3020C-BRU4	
	DC 3-wire	NPN 10~30V	RRP2-R3020N-A3U2 RRP2-R3020N-B3U2	RRP2-R3020N-ARU4 RRP2-R3020N-BRU4	RRP2-R3020N-A3U2T RRP2-R3020N-B3U2T
		PNP 10~30V	RRP2-R3020P-A3U2 RRP2-R3020P-B3U2	RRP2-R3020P-ARU4 RRP2-R3020P-BRU4	RRP2-R3020P-A3U2T RRP2-R3020P-B3U2T
	DC 4-wire	10~30V N.O./N.C.	RRP2-R3020N-S4U2 RRP2-R3020P-S4U2	RRP2-R3020N-SRU4 RRP2-R3020P-SRU4	
	AC 2-wire 20~250V	N.O. N.C.	RRP2-R3020A-A2L2 RRP2-R3020A-B2L2	RRP2-R3020A-AUL3 RRP2-R3020A-BUL3	

Ring Sensor Series



70 x 100 x 20



70 x 100 x 20



70 x 100 x 20



70 x 100 x 20

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	R43		R43 (With one-shot)	
Ring Diameter (mm)	Standard: 43.0			

Standard	DC 2-wire 10~60V	N.O. N.C.	RRP2-R4320C-A2U2 RRP2-R4320C-B2U2	RRP2-R4320C-ARU4 RRP2-R4320C-BRU4		
	NPN 10~30V	N.O. N.C.	RRP2-R4320N-A3U2 RRP2-R4320N-B3U2	RRP2-R4320N-ARU4 RRP2-R4320N-BRU4	RRP2-R4320N-A3U2T RRP2-R4320N-B3U2T	RRP2-R4320N-ARU4T RRP2-R4320N-BRU4T
	DC 3-wire					
	PNP 10~30V	N.O. N.C.	RRP2-R4320P-A3U2 RRP2-R4320P-B3U2	RRP2-R4320P-ARU4 RRP2-R4320P-BRU4	RRP2-R4320P-A3U2T RRP2-R4320P-B3U2T	RRP2-R4320P-ARU4T RRP2-R4320P-BRU4T
	DC 4-wire 10~30V N.O./N.C.	NPN PNP	RRP2-R4320N-S4U2 RRP2-R4320P-S4U2	RRP2-R4320N-SRU4 RRP2-R4320P-SRU4		
	AC 2-wire 20~250V	N.O. N.C.	RRP2-R4320A-A2L2 RRP2-R4320A-B2L2	RRP2-R4320A-AUL3 RRP2-R4320A-BUL3		

Speed Sensor Series



M30 x 80



M30 x 80



M30 x 80



M30 x 80

Connection	2 m Cable	
Series	M30 (6-150 rpm)	M30 (120-3000 rpm)
Switching Distance Sn (mm)	Standard: 10.0 - 15.0	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FCM1-3010N-A3U2/S FCM1-3010N-B3U2/S	FCM2-3015N-A3U2/S FCM2-3015N-B3U2/S	FCM1-3010N-A3U2/F FCM1-3010N-B3U2/F	FCM2-3015N-A3U2/F FCM2-3015N-B3U2/F
		PNP 10~30V	N.O. N.C.	FCM1-3010P-A3U2/S FCM1-3010P-B3U2/S	FCM2-3015P-A3U2/S FCM2-3015P-B3U2/S	FCM1-3010P-A3U2/F FCM1-3010P-B3U2/F	FCM2-3015P-A3U2/F FCM2-3015P-B3U2/F



40 x 40 x 118



40 x 40 x 118

Connection	Terminal	
Series	Q40 (6-150 rpm)	Q40 (120-3000 rpm)
Switching Distance Sn (mm)	Standard: 20.0 - 30.0	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	FQP1-Q4020N-A3U/S FQP1-Q4020N-B3U/S	FQP2-Q4030N-A3U/S FQP2-Q4030N-B3U/S	FQP1-Q4020N-A3U/F FQP1-Q4020N-B3U/F	FQP2-Q4030N-A3U/F FQP2-Q4030N-B3U/F
		PNP 10~30V	N.O. N.C.	FQP1-Q4020P-A3U/S FQP1-Q4020P-B3U/S	FQP2-Q4030P-A3U/S FQP2-Q4030P-B3U/S	FQP1-Q4020P-A3U/F FQP1-Q4020P-B3U/F	FQP2-Q4030P-A3U/F FQP2-Q4030P-B3U/F



M12 X 50



M16 X 50

Connection	2 m Cable	
Series	Hall Effect Sensor	
Switching Distance Sn (mm)	Standard: 1.5	

Standard	DC 3-wire	NPN 10~30V	N.O.	FCS1-121.5N-A3U2/G	FCS1-121.5N-A3U2/G/120C	FCS1-161.5N-A3U2/G	FCS1-161.5N-A3U2/G/120C
		PNP 10~30V	N.O.	FCS1-121.5P-A3U2/G	FCS1-121.5P-A3U2/G/120C	FCS1-161.5P-A3U2/G	FCS1-161.5P-A3U2/G/120C

Metal Passage Series



75 x 67.5 x 74

Connection	Terminal
Series	Amplifier Unit

Part Number MDA-001



110 x 96 x 26



130 x 154 x 40



170 x 180 x 45

Connection	3 m Coaxial Cable		
Series	Sensor Head		

Sensing area (mm)	Ø50	Ø75	Ø100
-------------------	-----	-----	------

Part Number MSC-050 MSC-075 MSC-100



252 x 170 x 30



300 x 240 x 56

Connection	3 m Coaxial Cable	
Series	Sensor Head	

Sensing area (mm)	150 x 100	200 x 150
-------------------	-----------	-----------

Part Number MSR-150 MSR-200

Separate Amplifier Series



78 x 15 x 75

Connection	Terminal		
Series	Amplifier Unit		
Part Number	PSA-N-30 (NPN 10~30V N.O./N.C.)	PSA-P-30 (PNP 10~30V N.O./N.C.)	



Φ4 x 15



M5 x 18



Φ6 x 18



M8 x 18

Connection	3 m Cable			
Series	Sensor Head (Metal Face)			
Switching Distance S_n (mm)	0.8 (Operating distance adjustable)	1.5 (Operating distance adjustable)	2.0 (Operating distance adjustable)	2.5 (Operating distance adjustable)
Part Number	SSH1-D04	SSH1-05	SSH1-D06	SSH1-08



M12 x 18



M18 x 18



M30 x 18



M52 x 18

Connection	3 m Cable			
Series	Sensor Head (Metal Face)			
Sensing area (mm)	4.0 (Operating distance adjustable)	8.0 (Operating distance adjustable)	16.0 (Operating distance adjustable)	32.0 (Operating distance adjustable)
Part Number	SSH1-12	SSH1-18	SSH1-30	SSH1-52



8 x 17 x 4.7



10 x 29.2 x 6.0



12 x 29.3 x 7.1

Connection	3 m Cable		
Series	Sensor Head (Metal Face)		
Sensing area (mm)	2.5 (Operating distance adjustable)	3.0 (Operating distance adjustable)	4.0 (Operating distance adjustable)
Part Number	SQSH1-88T	SQSH1-10T	SQSH1-12T

Separate Amplifier Series



15 x 34 x 8



20 x 32 x 8



14 x 30 x 1.6

Connection	3 m Cable		
Series	Sensor Head (Metal Face)		Sensor Head
Switching Distance Sn (mm)	4.0 (Operating distance adjustable)	8.0 (Operating distance adjustable)	5.0 (Operating distance adjustable)
Part Number	SQSH1-15T	SQSH1-20T	PSH1-T4.8

PTFE Housing Inductive Series



M12 x 50

2 m Cable

Series

M12

Switching Distance Sn (mm)

Standard: 2.0 - 4.0, Extended: 4.0 - 8.0, Long: 6.0 - 10.0

Standard	DC 2-wire 10~60V		N.O. N.C.	FCF1-1202C-A2U2 FCF1-1202C-B2U2	FCF2-1204C-A2U2 FCF2-1204C-B2U2	
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCF1-1202N-A3U2 FCF1-1202N-B3U2	FCF2-1204N-A3U2 FCF2-1204N-B3U2	
		PNP 10~30V	N.O. N.C.	FCF1-1202P-A3U2 FCF1-1202P-B3U2	FCF2-1204P-A3U2 FCF2-1204P-B3U2	
		NPN 5~36V	N.O. N.C.	ICF1-1202N-A3U2 ICF1-1202N-B3U2	ICF2-1204N-A3U2 ICF2-1204N-B3U2	
		PNP 5~36V	N.O. N.C.	ICF1-1202P-A3U2 ICF1-1202P-B3U2	ICF2-1204P-A3U2 ICF2-1204P-B3U2	
		NPN 10~55V	N.O. N.C.	HCF1-1202N-A3U2 HCF1-1202N-B3U2	HCF2-1204N-A3U2 HCF2-1204N-B3U2	
		PNP 10~55V	N.O. N.C.	HCF1-1202P-A3U2 HCF1-1202P-B3U2	HCF2-1204P-A3U2 HCF2-1204P-B3U2	
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCF1-1202N-S4U2 FCF1-1202P-S4U2	FCF2-1204N-S4U2 FCF2-1204P-S4U2
	5~36V N.O./N.C.		NPN PNP	ICF1-1202N-S4U2 ICF1-1202P-S4U2	ICF2-1204N-S4U2 ICF2-1204P-S4U2	
	AC 2-wire 20~250V		N.O. N.C.	FCF1-1202A-A2L2 FCF1-1202A-B2L2	FCF2-1204A-A2L2 FCF2-1204A-B2L2	
	AC/DC 2-wire 20~250V		N.O. N.C.	FCF1-1202U-A2L2 FCF1-1202U-B2L2	FCF2-1204U-A2L2 FCF2-1204U-B2L2	
	NAMUR 6~12V			FCF1-1202NU	FCF2-1204NU	
	Extended	DC 2-wire 10~60V		N.O. N.C.	ECF1-1204C-A2U2 ECF1-1204C-B2U2	ECF2-1208C-A2U2 ECF2-1208C-B2U2
		DC 3-wire	NPN 10~30V	N.O. N.C.	ECF1-1204N-A3U2 ECF1-1204N-B3U2	ECF2-1208N-A3U2 ECF2-1208N-B3U2
			PNP 10~30V	N.O. N.C.	ECF1-1204P-A3U2 ECF1-1204P-B3U2	ECF2-1208P-A3U2 ECF2-1208P-B3U2
		Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCF1-1206N-A3U2 LCF1-1206N-B3U2
	PNP 10~30V			N.O. N.C.	LCF1-1206P-A3U2 LCF1-1206P-B3U2	LCF2-1210P-A3U2 LCF2-1210P-B3U2

PTFE Housing Inductive Series



M18 x 55



M18 x 79

Connection			2 m Cable		M12 Connector			
Series			M18					
Switching Distance Sn (mm)			Standard: 5.0 - 8.0, Extended: 8.0 - 16.0, Long: 12.0 - 20.0					
Standard	DC 2-wire	10~60V	N.O. N.C.	FCF1-1805C-A2U2 FCF1-1805C-B2U2	FCF2-1808C-A2U2 FCF2-1808C-B2U2	FCF1-1805C-ARU4 FCF1-1805C-BRU4	FCF2-1808C-ARU4 FCF2-1808C-BRU4	
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCF1-1805N-A3U2 FCF1-1805N-B3U2	FCF2-1808N-A3U2 FCF2-1808N-B3U2	FCF1-1805N-ARU4 FCF1-1805N-BRU4	FCF2-1808N-ARU4 FCF2-1808N-BRU4	
		PNP 10~30V	N.O. N.C.	FCF1-1805P-A3U2 FCF1-1805P-B3U2	FCF2-1808P-A3U2 FCF2-1808P-B3U2	FCF1-1805P-ARU4 FCF1-1805P-BRU4	FCF2-1808P-ARU4 FCF2-1808P-BRU4	
		NPN 5~36V	N.O. N.C.	ICF1-1805N-A3U2 ICF1-1805N-B3U2	ICF2-1808N-A3U2 ICF2-1808N-B3U2	ICF1-1805N-ARU4 ICF1-1805N-BRU4	ICF2-1808N-ARU4 ICF2-1808N-BRU4	
		PNP 5~36V	N.O. N.C.	ICF1-1805P-A3U2 ICF1-1805P-B3U2	ICF2-1808P-A3U2 ICF2-1808P-B3U2	ICF1-1805P-ARU4 ICF1-1805P-BRU4	ICF2-1808P-ARU4 ICF2-1808P-BRU4	
		NPN 10~55V	N.O. N.C.	HCF1-1805N-A3U2 HCF1-1805N-B3U2	HCF2-1808N-A3U2 HCF2-1808N-B3U2	HCF1-1805N-ARU4 HCF1-1805N-BRU4	HCF2-1808N-ARU4 HCF2-1808N-BRU4	
		PNP 10~55V	N.O. N.C.	HCF1-1805P-A3U2 HCF1-1805P-B3U2	HCF2-1808P-A3U2 HCF2-1808P-B3U2	HCF1-1805P-ARU4 HCF1-1805P-BRU4	HCF2-1808P-ARU4 HCF2-1808P-BRU4	
		DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCF1-1805N-S4U2 FCF1-1805P-S4U2	FCF2-1808N-S4U2 FCF2-1808P-S4U2	FCF1-1805N-SRU4 FCF1-1805P-SRU4	FCF2-1808N-SRU4 FCF2-1808P-SRU4
	5~36V N.O./N.C.		NPN PNP	ICF1-1805N-S4U2 ICF1-1805P-S4U2	ICF2-1808N-S4U2 ICF2-1808P-S4U2	ICF1-1805N-SRU4 ICF1-1805P-SRU4	ICF2-1808N-SRU4 ICF2-1808P-SRU4	
	AC 2-wire	20~250V	N.O. N.C.	FCF1-1805A-A2L2 FCF1-1805A-B2L2	FCF2-1808A-A2L2 FCF2-1808A-B2L2	FCF1-1805A-AUL3 FCF1-1805A-BUL3	FCF2-1808A-AUL3 FCF2-1808A-BUL3	
	AC 4-wire	20~250V	N.O./N.C.	FCF1-1805A-C4L2	FCF2-1808A-C4L2	FCF1-1805A-CUL5	FCF2-1808A-CUL5	
	AC/DC 2-wire	20~250V	N.O. N.C.	FCF1-1805U-A2L2 FCF1-1805U-B2L2	FCF2-1808U-A2L2 FCF2-1808U-B2L2	FCF1-1805U-AUL3 FCF1-1805U-BUL3	FCF2-1808U-AUL3 FCF2-1808U-BUL3	
	NAMUR	6~12V		FCF1-1805NU	FCF2-1808NU			
	Extended	DC 2-wire	10~60V	N.O. N.C.	ECF1-1808C-A2U2 ECF1-1808C-B2U2	ECF2-1816C-A2U2 ECF2-1816C-B2U2	ECF1-1808C-ARU4 ECF1-1808C-BRU4	ECF2-1816C-ARU4 ECF2-1816C-BRU4
		DC 3-wire	NPN 10~30V	N.O. N.C.	ECF1-1808N-A3U2 ECF1-1808N-B3U2	ECF2-1816N-A3U2 ECF2-1816N-B3U2	ECF1-1808N-ARU4 ECF1-1808N-BRU4	ECF2-1816N-ARU4 ECF2-1816N-BRU4
			PNP 10~30V	N.O. N.C.	ECF1-1808P-A3U2 ECF1-1808P-B3U2	ECF2-1816P-A3U2 ECF2-1816P-B3U2	ECF1-1808P-ARU4 ECF1-1808P-BRU4	ECF2-1816P-ARU4 ECF2-1816P-BRU4
AC 2-wire		20~250V	N.O. N.C.	ECF1-1808A-A2L2 ECF1-1808A-B2L2	ECF2-1816A-A2L2 ECF2-1816A-B2L2	ECF1-1808A-AUL3 ECF1-1808A-BUL3	ECF2-1816A-AUL3 ECF2-1816A-BUL3	
Long	DC 2-wire	10~60V	N.O. N.C.	LCF1-1812C-A2U2 LCF1-1812C-B2U2	LCF2-1820C-A2U2 LCF2-1820C-B2U2	LCF1-1812C-ARU4 LCF1-1812C-BRU4	LCF2-1820C-ARU4 LCF2-1820C-BRU4	
	DC 3-wire	NPN 10~30V	N.O. N.C.	LCF1-1812N-A3U2 LCF1-1812N-B3U2	LCF2-1820N-A3U2 LCF2-1820N-B3U2	LCF1-1812N-ARU4 LCF1-1812N-BRU4	LCF2-1820N-ARU4 LCF2-1820N-BRU4	
		PNP 10~30V	N.O. N.C.	LCF1-1812P-A3U2 LCF1-1812P-B3U2	LCF2-1820P-A3U2 LCF2-1820P-B3U2	LCF1-1812P-ARU4 LCF1-1812P-BRU4	LCF2-1820P-ARU4 LCF2-1820P-BRU4	

PTFE Housing Inductive Series



M30 x 80



M30 x 95

Connection			2 m Cable		M12 Connector		
Series			M30				
Switching Distance Sn (mm)			Standard: 10.0 - 15.0, Extended: 15.0 - 25.0, Long: 22.0 - 40.0				
Standard	DC 2-wire	10~60V	N.O. N.C.	FCF1-3010C-A2U2 FCF1-3010C-B2U2	FCF2-3015C-A2U2 FCF2-3015C-B2U2	FCF1-3010C-ARU4 FCF1-3010C-BRU4	FCF2-3015C-ARU4 FCF2-3015C-BRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	FCF1-3010N-A3U2 FCF1-3010N-B3U2	FCF2-3015N-A3U2 FCF2-3015N-B3U2	FCF1-3010N-ARU4 FCF1-3010N-BRU4	FCF2-3015N-ARU4 FCF2-3015N-BRU4
		PNP 10~30V	N.O. N.C.	FCF1-3010P-A3U2 FCF1-3010P-B3U2	FCF2-3015P-A3U2 FCF2-3015P-B3U2	FCF1-3010P-ARU4 FCF1-3010P-BRU4	FCF2-3015P-ARU4 FCF2-3015P-BRU4
		NPN 5~36V	N.O. N.C.	ICF1-3010N-A3U2 ICF1-3010N-B3U2	ICF2-3015N-A3U2 ICF2-3015N-B3U2	ICF1-3010N-ARU4 ICF1-3010N-BRU4	ICF2-3015N-ARU4 ICF2-3015N-BRU4
		PNP 5~36V	N.O. N.C.	ICF1-3010P-A3U2 ICF1-3010P-B3U2	ICF2-3015P-A3U2 ICF2-3015P-B3U2	ICF1-3010P-ARU4 ICF1-3010P-BRU4	ICF2-3015P-ARU4 ICF2-3015P-BRU4
		NPN 10~55V	N.O. N.C.	HCF1-3010N-A3U2 HCF1-3010N-B3U2	HCF2-3015N-A3U2 HCF2-3015N-B3U2	HCF1-3010N-ARU4 HCF1-3010N-BRU4	HCF2-3015N-ARU4 HCF2-3015N-BRU4
		PNP 10~55V	N.O. N.C.	HCF1-3010P-A3U2 HCF1-3010P-B3U2	HCF2-3015P-A3U2 HCF2-3015P-B3U2	HCF1-3010P-ARU4 HCF1-3010P-BRU4	HCF2-3015P-ARU4 HCF2-3015P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	FCF1-3010N-S4U2 FCF1-3010P-S4U2	FCF2-3015N-S4U2 FCF2-3015P-S4U2	FCF1-3010N-SRU4 FCF1-3010P-SRU4	FCF2-3015N-SRU4 FCF2-3015P-SRU4
		5~36V N.O./N.C.	NPN PNP	ICF1-3010N-S4U2 ICF1-3010P-S4U2	ICF2-3015N-S4U2 ICF2-3015P-S4U2	ICF1-3010N-SRU4 ICF1-3010P-SRU4	ICF2-3015N-SRU4 ICF2-3015P-SRU4
	AC 2-wire	20~250V	N.O. N.C.	FCF1-3010A-A2L2 FCF1-3010A-B2L2	FCF2-3015A-A2L2 FCF2-3015A-B2L2	FCF1-3010A-AUL3 FCF1-3010A-BUL3	FCF2-3015A-AUL3 FCF2-3015A-BUL3
	AC 4-wire	20~250V	N.O/N.C.	FCF1-3010A-C4L2	FCF2-3015A-C4L2	FCF1-3010A-CUL5	FCF2-3015A-CUL5
	AC/DC 2-wire	20~250V	N.O. N.C.	FCF1-3010U-A2L2 FCF1-3010U-B2L2	FCF2-3015U-A2L2 FCF2-3015U-B2L2	FCF1-3010U-AUL3 FCF1-3010U-BUL3	FCF2-3015U-AUL3 FCF2-3015U-BUL3
	NAMUR	6~12V		FCF1-3010NU	FCF2-3015NU		
Extended	DC 2-wire	10~60V	N.O. N.C.	ECF1-3015C-A2U2 ECF1-3015C-B2U2	ECF2-3025C-A2U2 ECF2-3025C-B2U2	ECF1-3015C-ARU4 ECF1-3015C-BRU4	ECF2-3025C-ARU4 ECF2-3025C-BRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	ECF1-3016N-A3U2 ECF1-3016N-B3U2	ECF2-3025N-A3U2 ECF2-3025N-B3U2	ECF1-3016N-ARU4 ECF1-3016N-BRU4	ECF2-3025N-ARU4 ECF2-3025N-BRU4
		PNP 10~30V	N.O. N.C.	ECF1-3016P-A3U2 ECF1-3016P-B3U2	ECF2-3025P-A3U2 ECF2-3025P-B3U2	ECF1-3016P-ARU4 ECF1-3016P-BRU4	ECF2-3025P-ARU4 ECF2-3025P-BRU4
	AC 2-wire	20~250V	N.O. N.C.	ECF1-3016A-A2L2 ECF1-3016A-B2L2	ECF2-3025A-A2L2 ECF2-3025A-B2L2	ECF1-3016A-AUL3 ECF1-3016A-BUL3	ECF2-3025A-AUL3 ECF2-3025A-BUL3
Long	DC 3-wire	NPN 10~30V	N.O. N.C.	LCF1-3022N-A3U2 LCF1-3022N-B3U2	LCF2-3040N-A3U2 LCF2-3040N-B3U2	LCF1-3022N-ARU4 LCF1-3022N-BRU4	LCF2-3040N-ARU4 LCF2-3040N-BRU4
		PNP 10~30V	N.O. N.C.	LCF1-3022P-A3U2 LCF1-3022P-B3U2	LCF2-3040P-A3U2 LCF2-3040P-B3U2	LCF1-3022P-ARU4 LCF1-3022P-BRU4	LCF2-3040P-ARU4 LCF2-3040P-BRU4

High Current Output Series



M30 x 58.7



M30 x 58.7



M30 x 70



M30 x 70

Connection		2 m Cable		
Series		M30		
Switching Distance Sn (mm)		Standard: 10.0 -15.0		
Standard	DC 4-wire SSR PNP 10~55V/3.5A N.O. & N.C.		FCM1-3010PI-S4L2	FCM2-3015PI-S4L2
	DC 5-wire SPDT 10~30V/5A N.O./N.C.	FCM1-3010RO-S5L2	FCM2-3015RO-S5L2	
	DC 6-wire SSR 10~30V/6A N.O./N.C.		FCM1-3010DI-S6L2	FCM2-3015DI-S6L2



M30 x 70



M30 x 70

Connection		2 m Cable	
Series		M30 (Metal Face)	
Switching Distance Sn (mm)		Standard: 10.0	
Standard	DC 4-wire SSR PNP 10~55V/3.5A N.O. & N.C.	FCS1-3010PI-S4L2	FCT1-3010PI-S4L2
	DC 6-wire SSR 10~30V/6A N.O./N.C.	FCS1-3010PI-S6L2	FCT1-3010PI-S6L2

Economy Inductive Sensors



		M8 X 30		M12 X 30			
Connection		2 m Cable					
Series		M8		M12			
Ring Diameter (mm)		Standard: 2.0 - 4.0		Standard: 4.0 - 8.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	OCM1-0802N-A3U2 OCM1-0802N-B3U2	OCM2-0804N-A3U2 OCM2-0804N-B3U2	OCM1-1204N-A3U2 OCM1-1204N-B3U2	OCM2-1208N-A3U2 OCM2-1208N-B3U2
		PNP 10~30V	N.O. N.C.	OCM1-0802P-A3U2 OCM1-0802P-B3U2	OCM2-0804P-A3U2 OCM2-0804P-B3U2	OCM1-1204P-A3U2 OCM1-1204P-B3U2	OCM2-1208P-A3U2 OCM2-1208P-B3U2

		M18 X 35		M30 X 35			
Connection		2 m Cable					
Series		M18		M30			
Ring Diameter (mm)		Standard: 8.0 - 16.0		Standard: 16.0 - 25.0			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	OCM1-1808N-A3U2 OCM1-1808N-B3U2	OCM2-1816N-A3U2 OCM2-1816N-B3U2	OCM1-3016N-A3U2 OCM1-3016N-B3U2	OCM2-3025N-A3U2 OCM2-3025N-B3U2
		PNP 10~30V	N.O. N.C.	OCM1-1808P-A3U2 OCM1-1808P-B3U2	OCM2-1816P-A3U2 OCM2-1816P-B3U2	OCM1-3016P-A3U2 OCM1-3016P-B3U2	OCM2-3025P-A3U2 OCM2-3025P-B3U2

				M8 X 45		M12 X 50	
Connection				M8 Connector		M12 Connector	
Series				M8		M12	
Ring Diameter (mm)				Standard: 2.0 - 4.0		Standard: 4.0 - 8.0	
Standard	DC 3-wire	NPN 10~30V	N.O.	OCM1-0802N-ACU3	OCM2-0804N-ACU3	OCM1-1204N-ARU3	OCM2-1208N-ARU3
			N.C.	OCM1-0802N-BCU3	OCM2-0804N-BCU3	OCM1-1204N-BRU3	OCM2-1208N-BRU3
		PNP 10~30V	N.O.	OCM1-0802P-ACU3	OCM2-0804P-ACU3	OCM1-1204P-ARU3	OCM2-1208P-ARU3
			N.C.	OCM1-0802P-BCU3	OCM2-0804P-BCU3	OCM1-1204P-BRU3	OCM2-1208P-BRU3

				M18 X 48		M30 X 48	
Connection				M12 Connector			
Series				M18		M30	
Ring Diameter (mm)				Standard: 8,0 - 16,0		Standard: 16,0 - 25,0	
Standard	DC 3-wire	NPN 10~30V	N.O.	OCM1-1808N-ARU3	OCM2-1816N-ARU3	OCM1-3016N-ARU3	OCM2-3025N-ARU3
			N.C.	OCM1-1808N-BRU3	OCM2-1816N-BRU3	OCM1-3016N-BRU3	OCM2-3025N-BRU3
		PNP 10~30V	N.O.	OCM1-1808P-ARU3	OCM2-1816P-ARU3	OCM1-3016P-ARU3	OCM2-3025P-ARU3
			N.C.	OCM1-1808P-BRU3	OCM2-1816P-BRU3	OCM1-3016P-BRU3	OCM2-3025P-BRU3

Capacitive Sensors



Ø6.5 x 45



Ø6.5 x 60



Ø6.5 x 69

Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø6.5		
Switching Distance Sn (mm)			Standard: 1.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM1-D0601N-A3U2 CCM1-D0601N-B3U2	CCM1-D0601N-ACU3 CCM1-D0601N-BCU3	CCM1-D0601N-ARU4 CCM1-D0601N-BRU4
		PNP 10~30V	N.O. N.C.	CCM1-D0601P-A3U2 CCM1-D0601P-B3U2	CCM1-D0601P-ACU3 CCM1-D0601P-BCU3	CCM1-D0601P-ARU4 CCM1-D0601P-BRU4



Ø6.5 x 45



Ø6.5 x 60



Ø6.5 x 69

Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø6.5		
Switching Distance Sn (mm)			Standard: 3.0		

Standard	DC 3-wire	NPN 10~30V	N.O.	CCM2-D0603N-A3U2	CCM2-D0603N-ACU3	CCM2-D0603N-ARU4
			N.C.	CCM2-D0603N-B3U2	CCM2-D0603N-BCU3	CCM2-D0603N-BRU4
		PNP 10~30V	N.O.	CCM2-D0603P-A3U2	CCM2-D0603P-ACU3	CCM2-D0603P-ARU4
			N.C.	CCM2-D0603P-B3U2	CCM2-D0603P-BCU3	CCM2-D0603P-BRU4



Ø8 x 45



Ø8 x 60



Ø8 x 69

Connection			2 m Cable	M8 Connector	M12 Connector
Series			Ø8		
Switching Distance Sn (mm)			Standard: 3.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM1-D0801N-A3U2 CCM1-D0801N-B3U2	CCM1-D0801N-ACU3 CCM1-D0801N-BCU3	CCM1-D0801N-ARU4 CCM1-D0801N-BRU4
		PNP 10~30V	N.O. N.C.	CCM1-D0801P-A3U2 CCM1-D0801P-B3U2	CCM1-D0801P-ACU3 CCM1-D0801P-BCU3	CCM1-D0801P-ARU4 CCM1-D0801P-BRU4

Capacitive Sensors



Ø8 x 45



Ø8 x 60



Ø8 x 69

Connection		2 m Cable	M8 Connector	M12 Connector
Series		Ø8		
Switching Distance Sn (mm)		Standard: 3.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM2-D0803N-A3U2 CCM2-D0803N-B3U2	CCM2-D0803N-ACU3 CCM2-D0803N-BCU3	CCM2-D0803N-ARU4 CCM2-D0803N-BRU4
		PNP 10~30V	N.O. N.C.	CCM2-D0803P-A3U2 CCM2-D0803P-B3U2	CCM2-D0803P-ACU3 CCM2-D0803P-BCU3	CCM2-D0803P-ARU4 CCM2-D0803P-BRU4



M8 x 45



M8 x 60



M8 x 69

Connection		2 m Cable	M8 Connector	M12 Connector
Series		M8		
Switching Distance Sn (mm)		Standard: 1.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM1-0801N-A3U2 CCM1-0801N-B3U2	CCM1-0801N-ACU3 CCM1-0801N-BCU3	CCM1-0801N-ARU4 CCM1-0801N-BRU4
		PNP 10~30V	N.O. N.C.	CCM1-0801P-A3U2 CCM1-0801P-B3U2	CCM1-0801P-ACU3 CCM1-0801P-BCU3	CCM1-0801P-ARU4 CCM1-0801P-BRU4



M8 x 45



M8 x 60



M8 x 69

Connection		2 m Cable	M8 Connector	M12 Connector
Series		M8		
Switching Distance Sn (mm)		Standard: 3.0		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM2-0803N-A3U2 CCM2-0803N-B3U2	CCM2-0803N-ACU3 CCM2-0803N-BCU3	CCM2-0803N-ARU4 CCM2-0803N-BRU4
		PNP 10~30V	N.O. N.C.	CCM2-0803P-A3U2 CCM2-0803P-B3U2	CCM2-0803P-ACU3 CCM2-0803P-BCU3	CCM2-0803P-ARU4 CCM2-0803P-BRU4

Capacitive Sensors



Ø11 x 50



Ø11 x 80



Ø11 x 50



Ø11 x 80

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	Ø11			
Switching Distance Sn (mm)	Standard: 4.0 - 8.0 (Operating distance adjustable via potentiometer)			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM1-D1104N-A3U2 CCM1-D1104N-B3U2	CCM1-D1104N-ARU4 CCM1-D1104N-BRU4	CCM2-D1108N-A3U2 CCM2-D1108N-B3U2	CCM2-D1108N-ARU4 CCM2-D1108N-BRU4
		PNP 10~30V	N.O. N.C.	CCM1-D1104P-A3U2 CCM1-D1104P-B3U2	CCM1-D1104P-ARU4 CCM1-D1104P-BRU4	CCM2-D1108P-A3U2 CCM2-D1108P-B3U2	CCM2-D1108P-ARU4 CCM2-D1108P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCM1-D1104N-S4U2 CCM1-D1104P-S4U2	CCM1-D1104N-SRU4 CCM1-D1104P-SRU4	CCM2-D1108N-S4U2 CCM2-D1108P-S4U2	CCM2-D1108N-SRU4 CCM2-D1108P-SRU4



M12 x 59



M12 x 80



M12 x 59



M12 x 80

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	M12			
Switching Distance Sn (mm)	Standard: 4.0 - 8.0 (Operating distance adjustable via potentiometer)			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM1-1204N-A3U2 CCM1-1204N-B3U2	CCM1-1204N-ARU4 CCM1-1204N-BRU4	CCM2-1208N-A3U2 CCM2-1208N-B3U2	CCM2-1208N-ARU4 CCM2-1208N-BRU4
		PNP 10~30V	N.O. N.C.	CCM1-1204P-A3U2 CCM1-1204P-B3U2	CCM1-1204P-ARU4 CCM1-1204P-BRU4	CCM2-1208P-A3U2 CCM2-1208P-B3U2	CCM2-1208P-ARU4 CCM2-1208P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCM1-1204N-S4U2 CCM1-1204P-S4U2	CCM1-1204N-SRU4 CCM1-1204P-SRU4	CCM2-1208N-S4U2 CCM2-1208P-S4U2	CCM2-1208N-SRU4 CCM2-1208P-SRU4



M18 x 80



M18 x 96



M18 x 80



M18 x 96

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	M18			
Switching Distance Sn (mm)	Standard: 8.0 - 15.0 (Operating distance adjustable via potentiometer)			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM1-1808N-A3U2 CCM1-1808N-B3U2	CCM1-1808N-ARU4 CCM1-1808N-BRU4	CCM2-1815N-A3U2 CCM2-1815N-B3U2	CCM2-1815N-ARU4 CCM2-1815N-BRU4
		PNP 10~30V	N.O. N.C.	CCM1-1808P-A3U2 CCM1-1808P-B3U2	CCM1-1808P-ARU4 CCM1-1808P-BRU4	CCM2-1815P-A3U2 CCM2-1815P-B3U2	CCM2-1815P-ARU4 CCM2-1815P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCM1-1808N-S4U2 CCM1-1808P-S4U2	CCM1-1808N-SRU4 CCM1-1808P-SRU4	CCM2-1815N-S4U2 CCM2-1815P-S4U2	CCM2-1815N-SRU4 CCM2-1815P-SRU4
	AC 3-wire 20~250V		N.O. N.C.	CCM1-1808A-A3L2 CCM1-1808A-B3L2	CCM1-1808A-AUL3 CCM1-1808A-BUL3	CCM2-1815A-A3L2 CCM2-1815A-B3L2	CCM2-1815A-AUL3 CCM2-1815A-BUL3
	AC/DC 3-wire 20~250V		N.O. N.C.	CCM1-1808U-A3L2 CCM1-1808U-B3L2	CCM1-1808U-AUL3 CCM1-1808U-BUL3	CCM2-1815U-A3L2 CCM2-1815U-B3L2	CCM2-1815U-AUL3 CCM2-1815U-BUL3

Capacitive Sensors



M30 x 80



M30 x 98



M30 x 96

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M30		
Switching Distance Sn (mm)			Standard: 15.0 - 20.0 (Operating distance adjustable via potentiometer)		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCM1-3020N-A3U2 CCM1-3020N-B3U2	CCM1-3020N-ARU4 CCM1-3020N-BRU4	CCM1-3020N-AZU4 CCM1-3020N-BZU4
		PNP 10~30V N.O. N.C.	CCM1-3020P-A3U2 CCM1-3020P-B3U2	CCM1-3020P-ARU4 CCM1-3020P-BRU4	CCM1-3020P-AZU4 CCM1-3020P-BZU4
	DC 4-wire	10~30V N.O./N.C.	CCM1-3020N-S4U2 CCM1-3020P-S4U2 CCM1-3020D-S4U2	CCM1-3020N-SRU4 CCM1-3020P-SRU4 CCM1-3020D-SRU4	CCM1-3020N-SZU4 CCM1-3020P-SZU4
		NPN PNP PNP/NPN			
	AC 3-wire	20~250V N.O. N.C. N.O./N.C.	CCM1-3020A-A3L2 CCM1-3020A-B3L2 CCM1-3020A-S3L2	CCM1-3020A-AUL3 CCM1-3020A-BUL3 CCM1-3020A-SUL3	CCM1-3020A-AZL3 CCM1-3020A-BZL3
	AC/DC 3-wire	20~250V N.O. N.C. N.O./N.C.	CCM1-3015U-A3L2 CCM1-3015U-B3L2 CCM1-3015U-S3L2	CCM1-3015U-AUL3 CCM1-3015U-BUL3 CCM1-3015U-SUL3	CCM1-3015U-AZL3 CCM1-3015U-BZL3



M30 x 80



M30 x 98



M30 x 96

Connection			2 m Cable	M12 Connector	7/8"-16UN-2A
Series			M30		
Switching Distance Sn (mm)			Standard: 20.0 - 30.0 (Operating distance adjustable via potentiometer)		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCM2-3030N-A3U2 CCM2-3030N-B3U2	CCM2-3030N-ARU4 CCM2-3030N-BRU4	CCM2-3030N-AZU4 CCM2-3030N-BZU4
		PNP 10~30V N.O. N.C.	CCM2-3030P-A3U2 CCM2-3030P-B3U2	CCM2-3030P-ARU4 CCM2-3030P-BRU4	CCM2-3030P-AZU4 CCM2-3030P-BZU4
	DC 4-wire	10~30V N.O./N.C.	CCM2-3030N-S4U2 CCM2-3030P-S4U2 CCM2-3030D-S4U2	CCM2-3030N-SRU4 CCM2-3030P-SRU4 CCM2-3030D-SRU4	CCM2-3030N-SZU4 CCM2-3030P-SZU4
		NPN PNP PNP/NPN			
	AC 3-wire	20~250V N.O. N.C. N.O./N.C.	CCM2-3030A-A3L2 CCM2-3030A-B3L2 CCM2-3030A-S3L2	CCM2-3030A-AUL3 CCM2-3030A-BUL3 CCM2-3030A-SUL3	CCM2-3030A-AZL3 CCM2-3030A-BZL3
	AC/DC 3-wire	20~250V N.O. N.C. N.O./N.C.	CCM2-3020U-A3L2 CCM2-3020U-B3L2 CCM2-3020U-S3L2	CCM2-3020U-AUL3 CCM2-3020U-BUL3 CCM2-3020U-SUL3	CCM2-3020U-AZL3 CCM2-3020U-BZL3

Capacitive Sensors



M32 x 70



M32 x 105



M32 x 70



M32 x 105

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M32				
Switching Distance Sn (mm)			Standard: 15.0 - 30.0 (Operating distance adjustable via potentiometer)				
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCM1-3220N-A3U2 CCM1-3220N-B3U2	CCM1-3220N-ARU4 CCM1-3220N-BRU4	CCM2-3230N-A3U2 CCM2-3230N-B3U2	CCM2-3230N-ARU4 CCM2-3230N-BRU4
		PNP 10~30V	N.O. N.C.	CCM1-3220P-A3U2 CCM1-3220P-B3U2	CCM1-3220P-ARU4 CCM1-3220P-BRU4	CCM2-3230P-A3U2 CCM2-3230P-B3U2	CCM2-3230P-ARU4 CCM2-3230P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP PNP/PPN	CCM1-3220N-S4U2 CCM1-3220P-S4U2 CCM1-3220D-S4U2	CCM1-3220N-SRU4 CCM1-3220P-SRU4 CCM1-3220D-SRU4	CCM2-3230N-S4U2 CCM2-3230P-S4U2 CCM2-3230D-S4U2	CCM2-3230N-SRU4 CCM2-3230P-SRU4 CCM2-3230D-SRU4
		AC 3-wire 20~250V		N.O. N.C. N.O./N.C.	CCM1-3220A-A3L2 CCM1-3220A-B3L2 CCM1-3220A-S3L2	CCM1-3220A-AUL3 CCM1-3220A-BUL3 CCM1-3220A-SUL3	CCM2-3230A-A3L2 CCM2-3230A-B3L2 CCM2-3230A-S3L2
	AC/DC 3-wire 20~250V			N.O. N.C. N.O./N.C.	CCM1-3215U-A3L2 CCM1-3215U-B3L2 CCM1-3215U-S3L2	CCM1-3215U-AUL3 CCM1-3215U-BUL3 CCM1-3215U-SUL3	CCM2-3220U-A3L2 CCM2-3220U-B3L2 CCM2-3220U-S3L2

Capacitive Sensors



				Ø20 x 80		Ø20 x 80	
Connection			2 m Cable			M12 Connector	
Series			Ø20				
Switching Distance Sn (mm)			Standard: 10.0 - 20.0 (Operating distance adjustable via potentiometer)				
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCP1-D2010N-A3U2 CCP1-D2010N-B3U2	CCP2-D2020N-A3U2 CCP2-D2020N-B3U2	CCP1-D2010N-ARU4 CCP1-D2010N-BRU4	CCP2-D2020N-ARU4 CCP2-D2020N-BRU4
		PNP 10~30V	N.O. N.C.	CCP1-D2010P-A3U2 CCP1-D2010P-B3U2	CCP2-D2020P-A3U2 CCP2-D2020P-B3U2	CCP1-D2010P-ARU4 CCP1-D2010P-BRU4	CCP2-D2020P-ARU4 CCP2-D2020P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCP1-D2010N-S4U2 CCP1-D2010P-S4U2	CCP2-D2020N-S4U2 CCP2-D2020P-S4U2	CCP1-D2010N-SRU4 CCP1-D2010P-SRU4	CCP2-D2020N-SRU4 CCP2-D2020P-SRU4
		AC 2-wire	20~250V	N.O. N.C.	CCP1-D2010A-A2L2 CCP1-D2010A-B2L2	CCP2-D2020A-A2L2 CCP2-D2020A-B2L2	CCP1-D2010A-AUL3 CCP1-D2010A-BUL3
	AC/DC 2-wire	20~250V	N.O. N.C.	CCP1-D2010U-A2L2 CCP1-D2010U-B2L2	CCP2-D2020U-A2L2 CCP2-D2020U-B2L2	CCP1-D2010U-AUL3 CCP1-D2010U-BUL3	CCP2-D2020U-AUL3 CCP2-D2020U-BUL3



				Ø30 x 80		Ø30 x 93	
Connection				2 m Cable		M12 Connector	
Series				Ø30			
Switching Distance Sn (mm)				Standard: 15.0 - 30.0 (Operating distance adjustable via potentiometer)			
Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCP1-D3020N-A3U2 CCP1-D3020N-B3U2	CCP2-D3030N-A3U2 CCP2-D3030N-B3U2	CCP1-D3020N-ARU4 CCP1-D3020N-BRU4	CCP2-D3030N-ARU4 CCP2-D3030N-BRU4
		PNP 10~30V	N.O. N.C.	CCP1-D3020P-A3U2 CCP1-D3020P-B3U2	CCP2-D3030P-A3U2 CCP2-D3030P-B3U2	CCP1-D3020P-ARU4 CCP1-D3020P-BRU4	CCP2-D3030P-ARU4 CCP2-D3030P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP PNP/PNP	CCP1-D3020N-S4U2 CCP1-D3020P-S4U2 CCP1-D3020D-S4U2	CCP2-D3030N-S4U2 CCP2-D3030P-S4U2 CCP2-D3030D-S4U2	CCP1-D3020N-SRU4 CCP1-D3020P-SRU4 CCP1-D3020D-SRU4	CCP2-D3030N-SRU4 CCP2-D3030P-SRU4 CCP2-D3030D-SRU4
		AC 2-wire	20~250V	N.O. N.C. N.O./N.C.	CCP1-D3020A-A2L2 CCP1-D3020A-B2L2 CCP1-D3020A-S2L2	CCP2-D3030A-A2L2 CCP2-D3030A-B2L2 CCP2-D3030A-S2L2	CCP1-D3020A-AUL3 CCP1-D3020A-BUL3 CCP1-D3020A-SUL3
	AC/DC 2-wire		20~250V	N.O. N.C. N.O./N.C.	CCP1-D3015U-A2L2 CCP1-D3015U-B2L2 CCP1-D3015U-S2L2	CCP2-D3020U-A2L2 CCP2-D3020U-B2L2 CCP2-D3020U-S2L2	CCP1-D3015U-AUL3 CCP1-D3015U-BUL3 CCP1-D3015U-SUL3

Capacitive Sensors



Ø34 x 80



Ø34 x 93

Connection			2 m Cable		M12 Connector	
Series			Ø34			
Switching Distance Sn (mm)			Standard: 20.0 - 35.0 (Operating distance adjustable via potentiometer)			
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCP1-D3425N-A3U2 CCP1-D3425N-B3U2	CCP2-D3435N-A3U2 CCP2-D3435N-B3U2	CCP1-D3425N-ARU4 CCP1-D3425N-BRU4	CCP2-D3435N-ARU4 CCP2-D3435N-BRU4
		PNP 10~30V N.O. N.C.	CCP1-D3425P-A3U2 CCP1-D3425P-B3U2	CCP2-D3435P-A3U2 CCP2-D3435P-B3U2	CCP1-D3425P-ARU4 CCP1-D3425P-BRU4	CCP2-D3435P-ARU4 CCP2-D3435P-BRU4
	DC 4-wire	10~30V N.O./N.C.	CCP1-D3425N-S4U2 CCP1-D3425P-S4U2	CCP2-D3435N-S4U2 CCP2-D3435P-S4U2	CCP1-D3425N-SRU4 CCP1-D3425P-SRU4	CCP2-D3435N-SRU4 CCP2-D3435P-SRU4
		AC 2-wire 20~250V	N.O. N.C.	CCP1-D3425A-A2L2 CCP1-D3425A-B2L2	CCP2-D3435A-A2L2 CCP2-D3435A-B2L2	CCP1-D3425A-AUL3 CCP1-D3425A-BUL3
	AC/DC 2-wire 20~250V	N.O. N.C.	CCP1-D3420U-A2L2 CCP1-D3420U-B2L2	CCP2-D3425U-A2L2 CCP2-D3425U-B2L2	CCP1-D3420U-AUL3 CCP1-D3420U-BUL3	CCP2-D3425U-AUL3 CCP2-D3425U-BUL3



M12 x 59



M12 x 80



M12 x 59



M12 x 80

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series			M12			
Switching Distance Sn (mm)			Standard: 4.0 - 8.0 (Operating distance adjustable via potentiometer)			
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCP1-1204N-A3U2 CCP1-1204N-B3U2	CCP1-1204N-ARU4 CCP1-1204N-BRU4	CCP2-1208N-A3U2 CCP2-1208N-B3U2	CCP2-1208N-ARU4 CCP2-1208N-BRU4
		PNP 10~30V N.O. N.C.	CCP1-1204P-A3U2 CCP1-1204P-B3U2	CCP1-1204P-ARU4 CCP1-1204P-BRU4	CCP2-1208P-A3U2 CCP2-1208P-B3U2	CCP2-1208P-ARU4 CCP2-1208P-BRU4
	DC 4-wire	10~30V N.O./N.C.	CCP1-1204N-S4U2 CCP1-1204P-S4U2	CCP1-1204N-SRU4 CCP1-1204P-SRU4	CCP2-1208N-S4U2 CCP2-1208P-S4U2	CCP2-1208N-SRU4 CCP2-1208P-SRU4

Capacitive Sensors



M18 x 80



M18 x 94



M18 x 80



M18 x 94

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	M18			
Switching Distance Sn (mm)	Standard: 8.0 - 15.0 (Operating distance adjustable via potentiometer)			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CCP1-1808N-A3U2 CCP1-1808N-B3U2	CCP1-1808N-ARU4 CCP1-1808N-BRU4	CCP2-1815N-A3U2 CCP2-1815N-B3U2	CCP2-1815N-ARU4 CCP2-1815N-BRU4
		PNP 10~30V	N.O. N.C.	CCP1-1808P-A3U2 CCP1-1808P-B3U2	CCP1-1808P-ARU4 CCP1-1808P-BRU4	CCP2-1815P-A3U2 CCP2-1815P-B3U2	CCP2-1815P-ARU4 CCP2-1815P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCP1-1808N-S4U2 CCP1-1808P-S4U2	CCP1-1808N-SRU4 CCP1-1808P-SRU4	CCP2-1815N-S4U2 CCP2-1815P-S4U2	CCP2-1815N-SRU4 CCP2-1815P-SRU4
		AC 2-wire 20~250V	N.O. N.C.	CCP1-1808A-A2L2 CCP1-1808A-B2L2	CCP1-1808A-AUL3 CCP1-1808A-BUL3	CCP2-1815A-A2L2 CCP2-1815A-B2L2	CCP2-1815A-AUL3 CCP2-1815A-BUL3
	AC/DC 2-wire 20~250V		N.O. N.C.	CCP1-1808U-A2L2 CCP1-1808U-B2L2	CCP1-1808U-AUL3 CCP1-1808U-BUL3	CCP2-1815U-A2L2 CCP2-1815U-B2L2	CCP2-1815U-AUL3 CCP2-1815U-BUL3



M30 x 80



M30 x 94



M30 x 80



M30 x 94

Connection	2 m Cable	M12 Connector	2 m Cable	M12 Connector
Series	M30			
Switching Distance Sn (mm)	Standard: 15.0 - 30.0 (Operating distance adjustable via potentiometer)			

Standard	DC 3-wire 10~60V		N.O. N.C.	CCP1-3015C-A2U2 CCP1-3015C-B2U2	CCP1-3015C-ARU4 CCP1-3015C-BRU4	CCP2-3020C-A3U2 CCP2-3020C-B3U2	CCP2-3020C-ARU4 CCP2-3020C-BRU4
	DC 3-wire	NPN 10~30V	N.O. N.C.	CCP1-3020N-A3U2 CCP1-3020N-B3U2	CCP1-3020N-ARU4 CCP1-3020N-BRU4	CCP2-3030N-A3U2 CCP2-3030N-B3U2	CCP2-3030N-ARU4 CCP2-3030N-BRU4
		PNP 10~30V	N.O. N.C.	CCP1-3020P-A3U2 CCP1-3020P-B3U2	CCP1-3020P-ARU4 CCP1-3020P-BRU4	CCP2-3030P-A3U2 CCP2-3030P-B3U2	CCP2-3030P-ARU4 CCP2-3030P-BRU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCP1-3020N-S4U2 CCP1-3020P-S4U2 CCP1-3020D-S4U2	CCP1-3020N-SRU4 CCP1-3020P-SRU4 CCP1-3020D-SRU4	CCP2-3030N-S4U2 CCP2-3030P-S4U2 CCP2-3030D-S4U2	CCP2-3030N-SRU4 CCP2-3030P-SRU4 CCP2-3030D-SRU4
		AC 2-wire 20~250V	N.O. N.C. N.O./N.C.	CCP1-3020A-A2L2 CCP1-3020A-B2L2 CCP1-3020A-S2L2	CCP1-3020A-AUL3 CCP1-3020A-BUL3 CCP1-3020A-SUL3	CCP2-3030A-A2L2 CCP2-3030A-B2L2 CCP2-3030A-S2L2	CCP2-3030A-AUL3 CCP2-3030A-BUL3 CCP2-3030A-SUL3
	AC/DC 2-wire 20~250V		N.O. N.C. N.O./N.C.	CCP1-3015U-A2L2 CCP1-3015U-B2L2 CCP1-3015U-S2L2	CCP1-3015U-AUL3 CCP1-3015U-BUL3 CCP1-3015U-SUL3	CCP2-3020U-A2L2 CCP2-3020U-B2L2 CCP2-3020U-S2L2	CCP2-3020U-AUL3 CCP2-3020U-BUL3 CCP2-3020U-SUL3

Capacitive Sensors



16 x 34 x 8



16 x 34 x 8



16 x 34 x 8

Connection	2 m Cable	M8 Pigtail	M12 Pigtail
Series	Q16 x 34 x 8		
Switching Distance Sn (mm)	Standard: 8.0		

Standard	DC 3-wire	NPN 12~30V	N.O. N.C.	CQP1-1608N-A3U2 CQP1-1608N-B3U2	CQP1-1608N-A3U0,3/P8 CQP1-1608N-B3U0,3/P8	CQP1-1608N-A3U0,3/P12 CQP1-1608N-B3U0,3/P12
		PNP 12~30V	N.O. N.C.	CQP1-1608P-A3U2 CQP1-1608P-B3U2	CQP1-1608P-A3U0,3/P8 CQP1-1608P-B3U0,3/P8	CQP1-1608P-A3U0,3/P12 CQP1-1608P-B3U0,3/P12



30 x 50 x 7

Connection	2 m Cable
Series	Q30 x 50 x 7 (without LED)
Switching Distance Sn (mm)	Standard: 10.0 - 15.0

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP1-3010N-A3U2T CQP1-3010N-B3U2T	CQP2-3015N-A3U2T CQP2-3015N-B3U2T
		PNP 10~30V	N.O. N.C.	CQP1-3010P-A3U2T CQP1-3010P-B3U2T	CQP2-3015P-A3U2T CQP2-3015P-B3U2T



30 x 45 x 12



30 x 45 x 12

Connection	2 m Cable	M12 Connector
Series	Q30 x 45 x 12	
Switching Distance Sn (mm)	Standard: 20.0 - 30.0 (Operating distance adjustable via potentiometer)	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP1-3120N-A3U2T CQP1-3120N-B3U2T	CQP2-3130N-A3U2T CQP2-3130N-B3U2T	CQP1-3120N-ARU4T CQP1-3120N-BRU4T	CQP2-3130N-ARU4T CQP2-3130N-BRU4T
		PNP 10~30V	N.O. N.C.	CQP1-3120P-A3U2T CQP1-3120P-B3U2T	CQP2-3130P-A3U2T CQP2-3130P-B3U2T	CQP1-3120P-ARU4T CQP1-3120P-BRU4T	CQP2-3130P-ARU4T CQP2-3130P-BRU4T

Capacitive Sensors



35 x 55 x 15



35 x 55 x 15

Connection	2 m Cable	M12 Connector
Series	Q35 x 55 x 15	
Switching Distance Sn (mm)	Standard: 25.0 - 35.0 (Operating distance adjustable via potentiometer)	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP1-3525N-A3U2T CQP1-3525N-B3U2T	CQP2-3535N-A3U2T CQP2-3535N-B3U2T	CQP1-3525N-ARU4T CQP1-3525N-BRU4T	CQP2-3535N-ARU4T CQP2-3535N-BRU4T
		PNP 10~30V	N.O. N.C.	CQP1-3525P-A3U2T CQP1-3525P-B3U2T	CQP2-3535P-A3U2T CQP2-3535P-B3U2T	CQP1-3525P-ARU4T CQP1-3525P-BRU4T	CQP2-3535P-ARU4T CQP2-3535P-BRU4T



40 x 50 x 17



40 x 50 x 17

Connection	2 m Cable	M12 Connector
Series	Q40 x 50 x 17	
Switching Distance Sn (mm)	Standard: 30.0 - 40.0 (Operating distance adjustable via potentiometer)	

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP1-4130N-A3U2T CQP1-4130N-B3U2T	CQP2-4140N-A3U2T CQP2-4140N-B3U2T	CQP1-4130N-ARU4T CQP1-4130N-BRU4T	CQP2-4140N-ARU4T CQP2-4140N-BRU4T
		PNP 10~30V	N.O. N.C.	CQP1-4130P-A3U2T CQP1-4130P-B3U2T	CQP2-4140P-A3U2T CQP2-4140P-B3U2T	CQP1-4130P-ARU4T CQP1-4130P-BRU4T	CQP2-4140P-ARU4T CQP2-4140P-BRU4T



40 x 40 x 65

Connection	M12 Connector	7/8"-16UN-2A	M12 Connector	7/8"-16UN-2A
Series	Q40s			
Switching Distance Sn (mm)	Standard: 30.0 - 40.0 (Operating distance adjustable via potentiometer)			

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP1-4030N-ARS4 CQP1-4030N-BRS4	CQP1-4030N-AZS4 CQP1-4030N-BZS4	CQP2-4040N-ARS4 CQP2-4040N-BRS4	CQP2-4040N-AZS4 CQP2-4040N-BZS4
		PNP 10~30V	N.O. N.C.	CQP1-4030P-ARS4 CQP1-4030P-BRS4	CQP1-4030P-AZS4 CQP1-4030P-BZS4	CQP2-4040P-ARS4 CQP2-4040P-BRS4	CQP2-4040P-AZS4 CQP2-4040P-BZS4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CQP1-4030N-SRS4 CQP1-4030P-SRS4	CQP1-4030N-SZS4 CQP1-4030P-SZS4	CQP2-4040N-SRS4 CQP2-4040P-SRS4	CQP2-4040N-SZS4 CQP2-4040P-SZS4

Capacitive Sensors



40 x 40 x 118



40 x 40 x 118



40 x 40 x 118

Connection	Terminal	M12 Connector	7/8"-16UN-2A
Series	Q40		
Switching Distance Sn (mm)	Standard: 30.0 (Operating distance adjustable via potentiometer)		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP1-4030N-A3U CQP1-4030N-B3U	CQP1-4030N-ARU4 CQP1-4030N-BRU4	CQP1-4030N-AZU4 CQP1-4030N-BZU4
		PNP 10~30V	N.O. N.C.	CQP1-4030P-A3U CQP1-4030P-B3U	CQP1-4030P-ARU4 CQP1-4030P-BRU4	CQP1-4030P-AZU4 CQP1-4030P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CQP1-4030N-S4U CQP1-4030P-S4U	CQP1-4030N-SRU4 CQP1-4030P-SRU4	CQP1-4030N-SZU4 CQP1-4030P-SZU4



40 x 40 x 118



40 x 40 x 118



40 x 40 x 118

Connection	Terminal	M12 Connector	7/8"-16UN-2A
Series	Q40		
Switching Distance Sn (mm)	Standard: 40.0 (Operating distance adjustable via potentiometer)		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP2-4040N-A3U CQP2-4040N-B3U	CQP2-4040N-ARU4 CQP2-4040N-BRU4	CQP2-4040N-AZU4 CQP2-4040N-BZU4
		PNP 10~30V	N.O. N.C.	CQP2-4040P-A3U CQP2-4040P-B3U	CQP2-4040P-ARU4 CQP2-4040P-BRU4	CQP2-4040P-AZU4 CQP2-4040P-BZU4
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CQP2-4040N-S4U CQP2-4040P-S4U	CQP2-4040N-SRU4 CQP2-4040P-SRU4	CQP2-4040N-SZU4 CQP2-4040P-SZU4



80 x 80 x 40



80 x 80 x 40



80 x 80 x 40

Connection	Terminal	M12 Connector	7/8"-16UN-2A
Series	Q80		
Switching Distance Sn (mm)	Standard: 50.0 (Operating distance adjustable via potentiometer)		

Standard	DC 3-wire	NPN 10~30V	N.O. N.C.	CQP2-8050N-A3UT CQP2-8050N-B3UT	CQP2-8050N-ARU4T CQP2-8050N-BRU4T	CQP2-8050N-AZU4T CQP2-8050N-BZU4T
		PNP 10~30V	N.O. N.C.	CQP2-8050P-A3UT CQP2-8050P-B3UT	CQP2-8050P-ARU4T CQP2-8050P-BRU4T	CQP2-8050P-AZU4T CQP2-8050P-BZU4T
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CQP2-8050N-S4UT CQP2-8050P-S4UT	CQP2-8050N-SRU4T CQP2-8050P-SRU4T	CQP2-8050N-SZU4T CQP2-8050P-SZU4T
	AC 2-wire	20~250V	N.O. N.C.	CQP2-8050A-A2LT CQP2-8050A-B2LT	CQP2-8050A-AUL3T CQP2-8050A-BUL3T	CQP2-8050A-AZL2T CQP2-8050A-BZL2T
	AC 4-wire	20~250V	N.O./N.C.	CQP2-8050A-C4LT	CQP2-8050A-CUL5T	CQP2-8050A-CZL4T

PTFE Housing Capacitive Sensors



Ø20 x 88.2



Ø20 x 100

Connection			2 m Cable		M12 Connector		
Series			Ø20				
Ring Diameter (mm)			Standard: 10.0 - 20.0 (Operating distance adjustable via potentiometer)				
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCF1-D2010N-A3U2 CCF1-D2010N-B3U2	CCF2-D2020N-A3U2 CCF2-D2020N-B3U2	CCF1-D2010N-ARU4 CCF1-D2010N-BRU4	CCF2-D2020N-ARU4 CCF2-D2020N-BRU4	
		PNP 10~30V N.O. N.C.	CCF1-D2010P-A3U2 CCF1-D2010P-B3U2	CCF2-D2020P-A3U2 CCF2-D2020P-B3U2	CCF1-D2010P-ARU4 CCF1-D2010P-BRU4	CCF2-D2020P-ARU4 CCF2-D2020P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCF1-D2010N-S4U2 CCF1-D2010P-S4U2	CCF2-D2020N-S4U2 CCF2-D2020P-S4U2	CCF1-D2010N-SRU4 CCF1-D2010P-SRU4	CCF2-D2020N-SRU4 CCF2-D2020P-SRU4
	AC 2-wire	20~250V	N.O. N.C.	CCF1-D2010A-A2L2 CCF1-D2010A-B2L2	CCF2-D2020A-A2L2 CCF2-D2020A-B2L2	CCF1-D2010A-AUL3 CCF1-D2010A-BUL3	CCF2-D2020A-AUL3 CCF2-D2020A-BUL3
	AC/DC 2-wire	20~250V	N.O. N.C.	CCF1-D2010U-A2L2 CCF1-D2010U-B2L2	CCF2-D2020U-A2L2 CCF2-D2020U-B2L2	CCF1-D2010U-AUL3 CCF1-D2010U-BUL3	CCF2-D2020U-AUL3 CCF2-D2020U-BUL3



Ø34 x 85.6



Ø34 x 98

Connection			2 m Cable		M12 Connector		
Series			Ø34				
Ring Diameter (mm)			Standard: 20.0 - 35.0 (Operating distance adjustable via potentiometer)				
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCF1-D3425N-A3U2 CCF1-D3425N-B3U2	CCF2-D3435N-A3U2 CCF2-D3435N-B3U2	CCF1-D3425N-ARU4 CCF1-D3425N-BRU4	CCF2-D3435N-ARU4 CCF2-D3435N-BRU4	
		PNP 10~30V N.O. N.C.	CCF1-D3425P-A3U2 CCF1-D3425P-B3U2	CCF2-D3435P-A3U2 CCF2-D3435P-B3U2	CCF1-D3425P-ARU4 CCF1-D3425P-BRU4	CCF2-D3435P-ARU4 CCF2-D3435P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCF1-D3425N-S4U2 CCF1-D3425P-S4U2	CCF2-D3435N-S4U2 CCF2-D3435P-S4U2	CCF1-D3425N-SRU4 CCF1-D3425P-SRU4	CCF2-D3435N-SRU4 CCF2-D3435P-SRU4
	AC 2-wire	20~250V	N.O. N.C.	CCF1-D3425A-A2L2 CCF1-D3425A-B2L2	CCF2-D3435A-A2L2 CCF2-D3435A-B2L2	CCF1-D3425A-AUL3 CCF1-D3425A-BUL3	CCF2-D3435A-AUL3 CCF2-D3435A-BUL3
	AC/DC 2-wire	20~250V	N.O. N.C.	CCF1-D3420U-A2L2 CCF1-D3420U-B2L2	CCF2-D3425U-A2L2 CCF2-D3425U-B2L2	CCF1-D3420U-AUL3 CCF1-D3420U-BUL3	CCF2-D3425U-AUL3 CCF2-D3425U-BUL3

PTFE Housing Capacitive Sensors



M12 x 63.9



M12 x 63.9

Connection			2 m Cable		
Series			M12		
Ring Diameter (mm)			Standard: 4.0 - 8.0 (Operating distance adjustable via potentiometer)		
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCF1-1204N-A3U2 CCF1-1204N-B3U2	CCF2-1208N-A3U2 CCF2-1208N-B3U2	
		PNP 10~30V N.O. N.C.	CCF1-1204P-A3U2 CCF1-1204P-B3U2	CCF2-1208P-A3U2 CCF2-1208P-B3U2	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP	CCF1-1204N-S4U2 CCF1-1204P-S4U2	CCF2-1208N-S4U2 CCF2-1208P-S4U2



M18 x 83.5



M18 x 96.5



M18 x 83.5



M18 x 96.5

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M18				
Ring Diameter (mm)			Standard: 8.0 - 15.0 (Operating distance adjustable via potentiometer)				
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCF1-1808N-A3U2 CCF1-1808N-B3U2	CCF1-1808N-ARU4 CCF1-1808N-BRU4	CCF2-1815N-A3U2 CCF2-1815N-B3U2	CCF2-1815N-ARU4 CCF2-1815N-BRU4	
		PNP 10~30V N.O. N.C.	CCF1-1808P-A3U2 CCF1-1808P-B3U2	CCF1-1808P-ARU4 CCF1-1808P-BRU4	CCF2-1815P-A3U2 CCF2-1815P-B3U2	CCF2-1815P-ARU4 CCF2-1815P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	CCF1-1808N-S4U2 CCF1-1808P-S4U2	CCF1-1808N-SRU4 CCF1-1808P-SRU4	CCF2-1815N-S4U2 CCF2-1815P-S4U2	CCF2-1815N-SRU4 CCF2-1815P-SRU4	
	AC 2-wire	20~250V	N.O. N.C.	CCF1-1808A-A2L2 CCF1-1808A-B2L2	CCF1-1808A-AUL3 CCF1-1808A-BUL3	CCF2-1815A-A2L2 CCF2-1815A-B2L2	CCF2-1815A-AUL3 CCF2-1815A-BUL3
AC/DC 2-wire	20~250V	N.O. N.C.	CCF1-1808U-A2L2 CCF1-1808U-B2L2	CCF1-1808U-AUL3 CCF1-1808U-BUL3	CCF2-1815U-A2L2 CCF2-1815U-B2L2	CCF2-1815U-AUL3 CCF2-1815U-BUL3	

PTFE Housing Capacitive Sensors



M30 x 85.6



M30 x 98.6



M30 x 85.6



M30 x 98.6

Connection			2 m Cable	M12 Connector	2 m Cable	M12 Connector	
Series			M30				
Ring Diameter (mm)			Standard: 15.0 - 30.0 (Operating distance adjustable via potentiometer)				
Standard	DC 3-wire	NPN 10~30V N.O. N.C.	CCF1-3020N-A3U2 CCF1-3020N-B3U2	CCF1-3020N-ARU4 CCF1-3020N-BRU4	CCF2-3030N-A3U2 CCF2-3030N-B3U2	CCF2-3030N-ARU4 CCF2-3030N-BRU4	
		PNP 10~30V N.O. N.C.	CCF1-3020P-A3U2 CCF1-3020P-B3U2	CCF1-3020P-ARU4 CCF1-3020P-BRU4	CCF2-3030P-A3U2 CCF2-3030P-B3U2	CCF2-3030P-ARU4 CCF2-3030P-BRU4	
	DC 4-wire	10~30V N.O./N.C.	NPN PNP PNP/PNP	CCF1-3020N-S4U2 CCF1-3020P-S4U2 CCF1-3020D-S4U2	CCF1-3020N-SRU4 CCF1-3020P-SRU4 CCF1-3020D-SRU4	CCF2-3030N-S4U2 CCF2-3030P-S4U2 CCF2-3030D-S4U2	CCF2-3030N-SRU4 CCF2-3030P-SRU4 CCF2-3030D-SRU4
		AC 2-wire	20~250V N.O. N.C. N.O./N.C.	CCF1-3020A-A2L2 CCF1-3020A-B2L2 CCF1-3020A-S2L2	CCF1-3020A-AUL3 CCF1-3020A-BUL3 CCF1-3020A-SUL3	CCF2-3030A-A2L2 CCF2-3030A-B2L2 CCF2-3030A-S2L2	CCF2-3030A-AUL3 CCF2-3030A-BUL3 CCF2-3030A-SUL3
	AC/DC 2-wire	20~250V N.O. N.C. N.O./N.C.	CCF1-3015U-A2L2 CCF1-3015U-B2L2 CCF1-3015U-S2L2	CCF1-3015U-AUL3 CCF1-3015U-BUL3 CCF1-3015U-SUL3	CCF2-3020U-A2L2 CCF2-3020U-B2L2 CCF2-3020U-S2L2	CCF2-3020U-AUL3 CCF2-3020U-BUL3 CCF2-3020U-SUL3	