Cylindrical Inductive

Proximity Sensors

(AC 2-Wire)

PR Series



Features

- Spatter-resistant type: PTFE coated for high heat resistance (prevent malfunction from welding spatter)
- · Operation indicator (red LED)
- IP67 Protection structure (IEC standards)

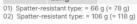
Specifications

Installation General	Flush type				
	PR□12-2A□	PR□18-5A□	PR□30-10A□		
Spatter-resistant	PRA□12-2A□	PRA□18-5A□	PRA□30-10A□		
DIA. of sensing side	Ø 12 mm	Ø 18 mm	Ø 30 mm		
Sensing distance	2 mm	5 mm	10 mm		
Setting distance	0 to 1.4 mm	0 to 3.5 mm	0 to 7 mm		
Hysteresis	≤ 10 % of sensing distance				
Standard sensing target: iron	12 × 12 × 1 mm	18 × 18 × 1 mm	30 × 30 × 1 mm		
Response frequency 01)	20 Hz				
Affection by temperature	\leq ± 10 % for sensing distance at ambient temperature 20 °C				
Indicator	Operation indicator (red)				
Approval	C E E E E	C € ERE	C € ERE		

Installation	Non-flush type				
General	PR□12-4A □	PR□18-8A □	PR□30-15A □		
DIA. of sensing side	Ø 12 mm	Ø 18 mm	Ø 30 mm		
Sensing distance	4 mm	8 mm	15 mm		
Setting distance	0 to 2.8 mm	0 to 5.6 mm	0 to 10.5 mm		
Hysteresis	≤ 10 % of sensing distance				
Standard sensing target: iron	12 × 12 × 1 mm	25 × 25 × 1 mm	45 × 45 × 1 mm		
Response frequency 01)	20 Hz				
Affection by temperature	\leq ± 10 % for sensing distance at ambient temperature 20 °C				
Indicator	Operation indicator (red)				
Approval	C E E E E	C € EHE	C € ERI		

⁰¹⁾ The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.

Unit weigh	t (package)	Ø 12 mm	Ø 18 mm	Ø 30 mm
Cable	Normal	≈ 72 g (≈ 84 g) ⁰¹⁾	≈ 118 g (≈ 130 g) ⁰²⁾	≈ 170 g (≈ 207 g)
	Long	-	≈ 130 g (≈ 142 g)	≈ 208 g (≈ 245 g)
Cable connector	Normal	≈ 42 g (≈ 54 g)	≈ 66 g (≈ 78 g)	≈ 122 g (≈ 134 g)
	Long	-	≈ 78 g (≈ 90 g)	≈ 158 g (≈ 195 g)
Connector	Normal	≈ 30 g (≈ 42 g)	≈ 54 g (≈ 66 g)	≈ 142 g (≈ 154 g)
	Long	-	≈ 66 g (≈ 78 g)	≈ 182 g (≈ 194 g)





View product detail