

Proximity Sensors

Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification	
Cylindrical, Cable Type Proximity Sensor PR Series <Non-flush>  <Flush> 	AC 2-wire type 100-240VAC	M12	2mm	Shield (flush)	12×12×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
			4mm	Non-shield (non-flush)	12×12×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
		M18	5mm	Shield (flush)	18×18×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
		M30	10mm	Shield (flush)	30×30×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
		DC 2-wire type 12-24VDC	M08	1.5mm	Shield (flush)	8×8×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
				2mm	Non-shield (non-flush)	8×8×1mm (iron)	1kHz	Leakage current : Max. 0.6mA
			M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
				4mm	Non-shield (non-flush)	12×12×1mm (iron)	500Hz	Leakage current : Max. 0.6mA
			M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Leakage current : Max. 0.6mA
				8mm	Non-shield (non-flush)	25×25×1mm (iron)	350Hz	Leakage current : Max. 0.6mA
	M30		10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Leakage current : Max. 0.6mA	
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	200Hz	Leakage current : Max. 0.6mA	
	DC 3-wire type 12-24VDC		M08	1.5mm	Shield (flush)	8×8×1mm (iron)	1.5kHz	Current consumption : Max. 10mA
				2mm	Non-shield (non-flush)	8×8×1mm (iron)	1kHz	Current consumption : Max. 10mA
			M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Current consumption : Max. 10mA
				4mm	Non-shield (non-flush)	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Current consumption : Max. 10mA	
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	350Hz	Current consumption : Max. 10mA	
		M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Current consumption : Max. 10mA	
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	200Hz	Current consumption : Max. 10mA	

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR12-2A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR12-4A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR18-5A□
							Long body	PRL18-5A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR18-8A□
							Long body	PRL18-8A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR30-10A□
							Long body	PRL30-10A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR30-15A□
							Long body	PRL30-15A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT08-1.5D□
N.O.	Brass (nickel plated)	Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRT08-1.5DO-V
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT08-2D□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT12-2D□
							●	Standard type
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT12-4D□
							●	Standard type
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT18-5D□
							●	Standard type
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT18-8D□
							●	Standard type
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT30-10D□
N.O.	Brass (nickel plated)	Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRT30-10DO-V
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	●	Standard type	PRT30-10X□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRT30-15D□
							●	Standard type
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR08-1.5D□
							Long body	PRL08-1.5D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR08-2D□
							Long body	PRL08-2D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR12-2D□
							Short body	PRS12-2D□
□: Type N: NPN N.O. / P: PNP N.O.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRL12-2D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR12-4D□
							Short body	PRS12-4D□
□: Type N: NPN N.O. / P: PNP N.O.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRL12-4D□
□: Type N: NPN N.O. / P: PNP N.O.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR18-5D□
NPN N.O.	Brass (nickel plated)	Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PR18-5DN-V
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRL18-5D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR18-8D□
							Long body	PRL18-8D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR30-10D□
							Long body	PRL30-10D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PR30-15D□
							Long body	PRL30-15D□

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Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification	
Cylindrical, Cable Connector Type Proximity Sensor PRW Series <Non-flush>  <Flush> 	AC 2-wire type 100-240VAC	M12	2mm	Shield (flush)	12×12×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
			4mm	Non-shield (non-flush)	12×12×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
		M18	5mm	Shield (flush)	18×18×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
		M30	10mm	Shield (flush)	30×30×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	20Hz	Leakage current : Max. 2.5mA	
		DC 2-wire type 12-24VDC	M08	1.5mm	Shield (flush)	8×8×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
				2mm	Non-shield (non-flush)	8×8×1mm (iron)	1kHz	Leakage current : Max. 0.6mA
			M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
				4mm	Non-shield (non-flush)	12×12×1mm (iron)	500Hz	Leakage current : Max. 0.6mA
	M18		5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Leakage current : Max. 0.6mA	
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	350Hz	Leakage current : Max. 0.6mA	
	M30		10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Leakage current : Max. 0.6mA	
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	200Hz	Leakage current : Max. 0.6mA	
	DC 3-wire type 12-24VDC		M08	1.5mm	Shield (flush)	8×8×1mm (iron)	1.5kHz	Current consumption : Max. 10mA
				2mm	Non-shield (non-flush)	8×8×1mm (iron)	1kHz	Current consumption : Max. 10mA
		M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Current consumption : Max. 10mA	
			4mm	Non-shield (non-flush)	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA	

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRW12-2A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRW12-4A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type Long body	PRW18-5A□ PRWL18-5A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type Long body	PRW18-8A□ PRWL18-8A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type Long body	PRW30-10A□ PRWL30-10A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type Long body	PRW30-15A□ PRWL30-15A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable V: Oil-resistance cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRWT08-1.5D□-■
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable V: Oil-resistance cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRWT08-2D□-■
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	— ●	Standard type Standard type	PRWT12-2D□-■ PRWT12-2X□-■
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	— ●	Standard type Standard type	PRWT12-4D□-■ PRWT12-4X□-■
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	— ●	Standard type Standard type	PRWT18-5D□-■ PRWT18-5X□-■
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	— ●	Standard type Standard type	PRWT18-8D□-■ PRWT18-8X□-■
N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRWT30-10DC-■
N.O.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable V: Oil-resistance cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRWT30-10DO-■
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	●	Standard type	PRWT30-10X□-■
N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRWT30-15DC-■
N.O.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable V: Oil-resistance cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRWT30-15DO-■
<input type="checkbox"/> Type O: N.O. / C: N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	●	Standard type	PRWT30-15X□-■
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRW08-1.5D□-■
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRWL08-1.5D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	<input checked="" type="checkbox"/> Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRW08-2D□-■
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRWL08-2D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRW12-2D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRW12-4D□

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 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification
Cylindrical, Cable Connector Type Proximity Sensor PRW Series <Non-flush>  <Flush> 	DC 3-wire type 12-24VDC	M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Current consumption : Max. 10mA
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	350Hz	Current consumption : Max. 10mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Current consumption : Max. 10mA
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	200Hz	Current consumption : Max. 10mA
Cylindrical, Connector Type Proximity Sensor PRCM Series <Non-flush>  <Flush> 	AC 2-wire type 100-240VAC	M12	2mm	Shield (flush)	12×12×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
			4mm	Non-shield (non-flush)	12×12×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
	DC 2-wire type 12-24VDC	M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
			4mm	Non-shield (non-flush)	12×12×1mm (iron)	500Hz	Leakage current : Max. 0.6mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	350Hz	Leakage current : Max. 0.6mA
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	400Hz	Leakage current : Max. 0.6mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	200Hz	Leakage current : Max. 0.6mA
			15mm	Non-shield (non-flush)	45×45×1mm (iron)	200Hz	Leakage current : Max. 0.6mA
DC 3-wire type 12-24VDC	M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Current consumption : Max. 10mA	
		4mm	Non-shield (non-flush)	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA	
	M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Current consumption : Max. 10mA	
		8mm	Non-shield (non-flush)	25×25×1mm (iron)	350Hz	Current consumption : Max. 10mA	
	M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Current consumption : Max. 10mA	
		15mm	Non-shield (non-flush)	45×45×1mm (iron)	200Hz	Current consumption : Max. 10mA	

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRW18-5D□
							Long body	PRWL18-5D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRW18-8D□
							Long body	PRWL18-8D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRW30-10D□-■
		Standard cable					Long body	PRWL30-10D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRW30-15D□-■
		Standard cable					Long body	PRWL30-15D□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM12-2A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM12-4A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM18-5A□
							Long body	PRCML18-5A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM18-8A□
							Long body	PRCML18-8A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM30-10A□
							Long body	PRCML30-10A□
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM30-15A□
							Long body	PRCML30-15A□
N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRCMT12-2DC-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRCMT12-4D□-I
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCMT18-5D□
N.O.	Brass (nickel plated)	IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRCMT18-5DO-I
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCMT18-8D□
N.C.	Brass (nickel plated)	IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRCMT18-8DC-I
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRCMT30-10D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRCMT30-15D□-■
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM12-2D□
PNP N.O.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Long body	PRCML12-2DP
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM12-4D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM18-5D□
							Long body	PRCML18-5D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM18-8D□
							Long body	PRCML18-8D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM30-10D□
							Long body	PRCML30-10D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRCM30-15D□
							Long body	PRCML30-15D□

Proximity Sensors



Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification
Cylindrical, Long Sensing Distance, Cable Type Proximity Sensor PRD Series <Non-flush>  <Flush> 	DC 2-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	450Hz	Leakage current : Max. 0.6mA
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	400Hz	Leakage current : Max. 0.6mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	250Hz	Leakage current : Max. 0.6mA
			14mm	Non-shield (non-flush)	40×40×1mm (iron)	200Hz	Leakage current : Max. 0.6mA
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Leakage current : Max. 0.6mA
			25mm	Non-shield (non-flush)	75×75×1mm (iron)	100Hz	Leakage current : Max. 0.6mA
	DC 3-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA
			8mm	Non-shield (non-flush)	25×25×1mm (Iron)	400Hz	Current consumption : Max. 10mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	300Hz	Current consumption : Max. 10mA
			14mm	Non-shield (non-flush)	40×40×1mm (iron)	200Hz	Current consumption : Max. 10mA
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Current consumption : Max. 10mA
			25mm	Non-shield (non-flush)	75×75×1mm (iron)	100Hz	Current consumption : Max. 10mA

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDT12-4D□-■
N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	●	Standard type	PRDT12-4XC■
N.O.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	●	Standard type	PRDT12-4XO
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Long body	PRDLT12-4D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDT12-8D□-■
						●	Standard type	PRDT12-8X□-■
						—	Long body	PRDLT12-8D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDT18-7D□-■
						●	Standard type	PRDT18-7X□-■
						—	Long body	PRDLT18-7D□-■
						●	Long body	PRDLT18-7X□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDT18-14D□-■
						●	Standard type	PRDT18-14X□-■
						—	Long body	PRDLT18-14D□-■
						●	Long body	PRDLT18-14X□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDT30-15D□-■
N.O.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	●	Standard type	PRDT30-15XO■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Long body	PRDLT30-15D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDT30-25D□-■
						●	Standard type	PRDT30-25X□-■
						—	Long body	PRDLT30-25D□-■
□: Type N: NPN N.O. / N2: NPN N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRD12-4D□
						—	Long body	PRDL12-4D□
□: Type N: NPN N.O. / N2: NPN N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRD12-8D□
						—	Long body	PRDL12-8D□
□: Type N: NPN N.O. / N2: NPN N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRD18-7D□
						—	Long body	PRDL18-7D□
□: Type N: NPN N.O. / N2: NPN N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRD18-14D□
						—	Long body	PRDL18-14D□
□: Type N: NPN N.O. / N2: NPN N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRD30-15D□-■
		Standard cable				—	Long body	PRDL30-15D□
□: Type N: NPN N.O. / N2: NPN N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRD30-25D□-■
		Standard cable				—	Long body	PRDL30-25D□

Proximity Sensors



Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification
Cylindrical, Long Sensing Distance, Cable Connector Type Proximity Sensor PRDW Series <Non-flush>  <Flush> 	DC 2-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	450Hz	Leakage current : Max. 0.6mA
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	400Hz	Leakage current : Max. 0.6mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	250Hz	Leakage current : Max. 0.6mA
			14mm	Non-shield (non-flush)	40×40×1mm (iron)	200Hz	Leakage current : Max. 0.6mA
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Leakage current : Max. 0.6mA
			25mm	Non-shield (non-flush)	75×75×1mm (iron)	100Hz	Leakage current : Max. 0.6mA
	DC 3-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	400Hz	Current consumption : Max. 10mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	300Hz	Current consumption : Max. 10mA
			14mm	Non-shield (non-flush)	40×40×1mm (iron)	200Hz	Current consumption : Max. 10mA
M30		15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Current consumption : Max. 10mA	
		25mm	Non-shield (non-flush)	75×75×1mm (iron)	100Hz	Current consumption : Max. 10mA	

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDWT12-4D□-■
		●				Standard type	PRDWT12-4X□-■	
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDWT12-8D□-■
		●				Standard type	PRDWT12-8X□-■	
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDWT18-7D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	●	Standard type	PRDWT18-7X□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Long body	PRDWLT18-7D□-IV
N.O.	Brass (nickel plated)	Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	●	Long body	PRDWLT18-7XO-IV
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDWT18-14D□-■
		■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	●	Standard type	PRDWT18-14X□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDWT30-15D□-■
N.C.	Brass (nickel plated)	Standard cable	-25 to 70°C	IP67	CE	●	Standard type	PRDWT30-15XC
N.O.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	●	Standard type	PRDWT30-15XO-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDWT30-25D□-■
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDW12-4D□-■
		Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRDWL12-4D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDW12-8D□-■
		Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRDWL12-8D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDW18-7D□-■
		Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRDWL18-7D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDW18-14D□-■
		Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRDWL18-14D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDW30-15D□-■
		Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRDWL30-15D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDW30-25D□-■
		Standard cable	-25 to 70°C	IP67	CE	—	Long body	PRDWL30-25D□

Proximity Sensors




Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification	
Cylindrical, Long Sensing Distance, Connector Type Proximity Sensor PRDCM Series <Non-flush> 	DC 2-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	450Hz	Leakage current : Max. 0.6mA	
			8mm	Non-shield (non-flush)	25×25×1mm (iron)	400Hz	Leakage current : Max. 0.6mA	
		M18	7mm	Shield (flush)	20×20×1mm (iron)	250Hz	Leakage current : Max. 0.6mA	
			14mm	Non-shield (non-flush)	40×40×1mm (iron)	200Hz	Leakage current : Max. 0.6mA	
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Leakage current : Max. 0.6mA	
			25mm	Non-shield (non-flush)	75×75×1mm (iron)	100Hz	Leakage current : Max. 0.6mA	
	<Flush> 	DC 3-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA
				8mm	Non-shield (non-flush)	25×25×1mm (iron)	400Hz	Current consumption : Max. 10mA
			M18	7mm	Shield (flush)	20×20×1mm (iron)	300Hz	Current consumption : Max. 10mA
				14mm	Non-shield (non-flush)	40×40×1mm (iron)	200Hz	Current consumption : Max. 10mA
			M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Current consumption : Max. 10mA
				25mm	Non-shield (non-flush)	75×75×1mm (iron)	100Hz	Current consumption : Max. 10mA

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDCMT12-4D□
N.O.	Brass (nickel plated)	IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDCMT12-4DO-I
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDCMT12-8D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDCMT18-7D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Long body	PRDCMLT18-7D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDCMT18-14D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Long body	PRDCMLT18-14D□-■
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDCMT30-15D□-■
N.O.	Brass (nickel plated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Long body	PRDCMLT30-15DO-■
N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Long body	PRDCMLT30-15DC
□: Type O: N.O. / C: N.C.	Brass (nickel plated)	IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDCMT30-25D□-I
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDCM12-4D□
						—	Long body	PRDCML12-4D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDCM12-8D□
						—	Long body	PRDCML12-8D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDCM18-7D□
						—	Long body	PRDCML18-7D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDCM18-14D□
						—	Long body	PRDCML18-14D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDCM30-15D□
						—	Long body	PRDCML30-15D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (nickel plated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDCM30-25D□

Proximity Sensors

Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification
Cylindrical, Spatter-Resistance, Cable Type Proximity Sensor PRA Series 	AC 2-wire type 100-240VAC	M12	2mm	Shield (flush)	12×12×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
	DC 2-wire type 12-24VDC	M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Leakage current : Max. 0.6mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Leakage current : Max. 0.6mA
	DC 3-wire type 12-24VDC	M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Current consumption : Max. 10mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Current consumption : Max. 10mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Current consumption : Max. 10mA
Cylindrical, Spatter-Resistance, Cable Connector Type Proximity Sensor PRAWT Series 	DC 2-wire type 12-24VDC	M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Leakage current : Max. 0.6mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Leakage current : Max. 0.6mA
Cylindrical, Spatter-Resistance, Connector Type Proximity Sensor PRACM Series 	DC 2-wire type 12-24VDC	M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Leakage current : Max. 0.6mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Leakage current : Max. 0.6mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Leakage current : Max. 0.6mA
	DC 3-wire type 12-24VDC	M12	2mm	Shield (flush)	12×12×1mm (iron)	1.5kHz	Current consumption : Max. 10mA
		M18	5mm	Shield (flush)	18×18×1mm (iron)	500Hz	Current consumption : Max. 10mA
		M30	10mm	Shield (flush)	30×30×1mm (iron)	400Hz	Current consumption : Max. 10mA

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRA12-2A□
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRA18-5A□
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRA30-10A□
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRAT12-2D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	●	Standard type	PRAT12-2X□
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRAT18-5D□
						●	Standard type	PRAT18-5X□
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRAT30-10D□-■
		Standard cable	-25 to 70°C	IP67	CE	●	Standard type	PRAT30-10X□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRA12-2D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRA18-5D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRA30-10D□
N.C.	Brass (teflon coated)	Standard cable	-25 to 70°C	IP67	CE	—	Standard type	PRAWT12-2DC
N.O.	Brass (teflon coated)	IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRAWT12-2DO-I
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRAWT18-5D□-■
						●	Standard type	PRAWT18-5X□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRAWT30-10D□-■
						●	Standard type	PRAWT30-10X□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRACMT12-2D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRACMT18-5D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRACMT30-10D□-■
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRACM12-2D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRACM18-5D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRACM30-10D□

Proximity Sensors

Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Installation	Standard Sensing Target	Response Frequency	Current Specification
Cylindrical, Long Sensing Distance, Spatter-Resistance, Cable Type Proximity Sensor PRDAT Series 	DC 2-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	450Hz	Leakage current : Max. 0.6mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	250Hz	Leakage current : Max. 0.6mA
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Leakage current : Max. 0.6mA
Cylindrical, Long Sensing Distance, Spatter-Resistance, Cable Connector Type Proximity Sensor PRDAWT Series 	DC 2-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	450Hz	Leakage current : Max. 0.6mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	250Hz	Leakage current : Max. 0.6mA
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Leakage current : Max. 0.6mA
Cylindrical, Long Sensing Distance, Spatter-Resistance, Connector Type Proximity Sensor PRDACM Series 	DC 2-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	450Hz	Leakage current : Max. 0.6mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	250Hz	Leakage current : Max. 0.6mA
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Leakage current : Max. 0.6mA
	DC 3-wire type 12-24VDC	M12	4mm	Shield (flush)	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA
		M18	7mm	Shield (flush)	20×20×1mm (iron)	300Hz	Current consumption : Max. 10mA
		M30	15mm	Shield (flush)	45×45×1mm (iron)	100Hz	Current consumption : Max. 10mA

Control Output	Materials	Connection	Ambient Temperature	Protection Structure	Approval	Non-Polarity	Body Length	Model
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDAT12-4D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDAT18-7D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable V: Oil-resistance cable	-25 to 70°C	IP67	CE	—	Standard type	PRDAT30-15D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDAWT12-4D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDAWT18-7D□-■
N.C.	Brass (teflon coated)	■: Type No-mark: Standard cable I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDAWT30-15DC-■
N.O.	Brass (teflon coated)	■: Type No-mark: Standard cable I: IEC standard IV: Oil-resistance cable (IEC standard)	-25 to 70°C	IP67	CE	—	Standard type	PRDAWT30-15DO-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDACMT12-4D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDACMT18-7D□-■
□: Type O: N.O. / C: N.C.	Brass (teflon coated)	■: Type No-mark: Standard connector I: IEC standard	-25 to 70°C	IP67	CE	—	Standard type	PRDACMT30-15D□-■
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDACM12-4D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDACM18-7D□
□: Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Brass (teflon coated)	Standard connector	-25 to 70°C	IP67	CE	—	Standard type	PRDACM30-15D□

Proximity Sensors


Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Size	Sensing Distance	Standard Sensing Target	Response Frequency	Current Specification
Rectangular, Standard Type Proximity Sensor PS/PSN Series	AC 2-wire type 100-240VAC	Frame size 25mm	5mm	25×25×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
		Frame size 30mm	10mm	30×30×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
			15mm	45×45×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
		Frame size 40mm	20mm	60×60×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
	 DC 3-wire type 12-24VDC	Frame size 17mm	5mm	18×18×1mm (iron)	700Hz	Leakage current : Max. 0.6mA
		Frame size 12mm	4mm	12×12×1mm (iron)	500Hz	Current consumption : Max. 10mA
			8mm	25×25×1mm (iron)	200Hz	Current consumption : Max. 10mA
		Frame size 25mm	5mm	25×25×1mm (iron)	300Hz	Current consumption : Max. 10mA
		Frame size 30mm	10mm	30×30×1mm (iron)	250Hz	Current consumption : Max. 10mA
			15mm	45×45×1mm (iron)	200Hz	Current consumption : Max. 10mA
		Frame size 40mm	20mm	60×60×1mm (iron)	100Hz	Current consumption : Max. 10mA
		Frame size 50mm	30mm	90×90×1mm (iron)	50Hz	Current consumption : Max. 10mA

Control Output	Sensing Method	Materials	Ambient Temperature	Protection Structure	Approval	Different Frequency	Model
<input type="checkbox"/> Type O: N.O. / C: N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN25-5A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN30-10A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN30-15A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN40-20A□
<input type="checkbox"/> Type O: N.O. / C: N.C.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSNT17-5D□■
NPN N.O.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PS12-4DN■
PNP N.O.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PS12-4DP■
NPN N.C.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PS12-4DN2■
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN17-5D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C.	Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN17-5D□U
NPN N.O.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	●	PSN17-5DN-F
<input type="checkbox"/> Type P: PNP N.O. / P2: PNP N.C.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN17-5D□■
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN17-8D□■
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	●	PSN17-8D□■-F
PNP N.O.	<input checked="" type="checkbox"/> Type No-mark: Standard type (front sensing type) U: Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	●	PSN17-8DP■-F
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN25-5D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN30-10D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN30-15D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Standard type (front sensing type)	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PSN40-20D□
<input type="checkbox"/> Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Upper sensing type	Heat-resistant ABS	-25 to 70°C	IP67	CE	—	PS50-30D□


Proximity Sensors

Cylindrical Cable · Cable Connector · Connector Type Proximity Sensor/
 Cylindrical Spatter-Resistance Cable · Cable Connector · Connector Type Proximity Sensor/
 Rectangular Standard · Flat Type Proximity Sensor / Rectangular Long Sensing Distance Type Proximity Sensor /

Series	Wire Type And Power	Sensing Side Size	Sensing Distance	Standard Sensing Target	Response Frequency	Current Specification
Rectangular, Flat Type Proximity Sensor PFI Series 	AC 2-wire type 100-240VAC	Frame size 25mm	8mm	25×25×1mm (iron)	20Hz	Leakage current : Max. 2.5mA
	DC 3-wire type 12-24VDC	Frame size 25mm	8mm	25×25×1mm (iron)	200Hz	Current consumption : Max. 10mA

Rectangular, Long Sensing Distance Type Proximity Sensor AS Series 	DC 4-wire type 12-48VDC	Frame size 80mm	50mm	150×150×1mm (iron)	30Hz	Current consumption : Max. 20mA
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Series	Wire Type And Power	Sensing Side Diameter	Sensing Distance	Standard Sensing Target	Response Frequency	Current Specification
Cylindrical, Capacitive Type Proximity Sensor CR Series 	AC 2-wire type 100-240VAC	M18	8mm	50×50×1mm (iron)	20Hz	Leakage current : Max. 2.2mA
		M30	15mm	50×50×1mm (iron)	20Hz	Leakage current : Max. 2.2mA
	DC 3-wire type 12-24VDC	M18	8mm	50×50×1mm (iron)	50Hz	Current consumption : Max. 15mA
		M30	15mm	50×50×1mm (iron)	50Hz	Current consumption : Max. 15mA

Series	Sensing Side Diameter	Transmission Distance	Set Transmission Distance	Response Time
Transmission Coupler PET18-5 	M18	5mm	1 to 4.5mm	Max. 1ms

Control Output	Sensing Method	Materials	Ambient Temperature	Protection Structure	Approval	Different Frequency	Model
<input type="checkbox"/> : Type O: N.O. / C: N.C.	Upper sensing type	Poly Phenylene Sulfide	-25 to 70°C	IP67	CE	—	PFI25-8A□
<input type="checkbox"/> : Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O. / P2: PNP N.C.	Upper sensing type	Poly Phenylene Sulfide	-25 to 70°C	IP67	CE	—	PFI25-8D□
<input type="checkbox"/> : Type N3: NPN N.O.+N.C. P3: PNP N.O.+N.C.	Upper sensing type	—	-25 to 70°C	IP67	CE	—	AS80-50D□

Control Output	Materials	Ambient Temperature	Protection Structure	Approval	Model
<input type="checkbox"/> : Type O: N.O. / C: N.C.	PA6	-25 to 70°C	IP66	—	CR18-8A□
<input type="checkbox"/> : Type O: N.O. / C: N.C.	Brass (nickel plated)	-25 to 70°C	IP65	—	CR30-15A□
<input type="checkbox"/> : Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O.	PA6	-25 to 70°C	IP66	—	CR18-8D□
<input type="checkbox"/> : Type N: NPN N.O. / N2: NPN N.C. P: PNP N.O.	Brass (nickel plated)	-25 to 70°C	IP65	—	CR30-15D□

Materials	Ambient Temperature	Protection Structure	Approval	Model
Brass (nickel plated)	-25 to 70°C	IP67	—	PET18-5