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## Data sheet

Wire type and power         DC 3-wire type 12-24VDC		
Sensing distance  Installation  Non-shield(non-flush)  Standard sensing target  25×25×1mm(iron)  Response frequency  400Hz  Current specification  Current consumption: Max. 10mA  Control output  PNIP Normally Open  Material  Brass(nickel plated)  Cable Standard/material  Standard connector  Protection structure  IP67  Body length  Long body  Environment_Ambient temperature  -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity  35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance)  Max. 1.5V	Wire type and power	DC 3-wire type 12-24VDC
Installation Non-shield(non-flush)  Standard sensing target 25×25×1mm(iron)  Response frequency 400Hz  Current specification Current consumption: Max. 10mA  Control output PNP Normally Open  Material Brass(nickel plated)  Cable Standard/material Standard connector  Protection structure IP67  Body length Long body  Environment_Ambient temperature -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity 35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance) Max. 1.5V	Sensing side diameter	M12
Standard sensing target 25×25×1mm(iron)  Response frequency 400Hz  Current specification Current consumption: Max. 10mA  Control output PNP Normally Open  Material Brass(nickel plated)  Cable Standard/material Standard connector  Protection structure IP67  Body length Long body  Environment_Ambient temperature -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity 35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance) Max. 10% of sensing distance  Residual voltage Max. 1.5V	Sensing distance	8mm
Response frequency  Current specification  Current consumption: Max. 10mA  Control output  PNP Normally Open  Material  Brass(nickel plated)  Cable Standard/material  Standard connector  Protection structure  IP67  Body length  Long body  Environment_Ambient temperature  Environment_Ambient humidity  35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance)  Max. 10% of sensing distance  Residual voltage  Max. 1.5V	Installation	Non-shield(non-flush)
Current specification  Current consumption: Max. 10mA  PNP Normally Open  Material  Brass(nickel plated)  Cable Standard/material  Standard connector  Protection structure  IP67  Body length  Long body  Environment_Ambient temperature  Environment_Ambient humidity  35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance)  Max. 10% of sensing distance  Residual voltage  Max. 1.5V	Standard sensing target	25×25×1mm(iron)
Control output PNP Normally Open  Material Brass(nickel plated)  Cable Standard/material Standard connector  Protection structure IP67  Body length Long body  Environment_Ambient temperature -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity 35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance) Max. 10% of sensing distance  Residual voltage Max. 1.5V	Response frequency	400Hz
Material Brass(nickel plated)  Cable Standard/material Standard connector  Protection structure IP67  Body length Long body  Environment_Ambient temperature -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity 35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance) Max. 10% of sensing distance  Residual voltage Max. 1.5V	Current specification	Current consumption: Max. 10mA
Cable Standard/material  Protection structure  IP67  Body length  Long body  Environment_Ambient temperature  Environment_Ambient humidity  35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance)  Max. 10% of sensing distance  Residual voltage  Max. 1.5V	Control output	PNP Normally Open
Protection structure IP67  Body length Long body  Environment_Ambient temperature -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity 35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance) Max. 10% of sensing distance  Residual voltage Max. 1.5V	Material	Brass(nickel plated)
Body length  Environment_Ambient temperature  -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity  35 to 95% RH, storage: 35 to 95% RH  Hysteresis (distance)  Max. 10% of sensing distance  Residual voltage  Max. 1.5V	Cable Standard/material	Standard connector
Environment_Ambient temperature -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity 35 to 95% RH, storage: 35 to 95% RH  Hysteresis(distance) Max. 10% of sensing distance  Residual voltage Max. 1.5V	Protection structure	IP67
temperature  -25 to 70°C, storage: -30 to 80°C  Environment_Ambient humidity  35 to 95% RH, storage: 35 to 95% RH  Hysteresis(distance)  Max. 10% of sensing distance  Residual voltage  Max. 1.5V	Body length	Long body
Hysteresis (distance)  Max. 10% of sensing distance  Residual voltage  Max. 1.5V		-25 to 70°C, storage: -30 to 80°C
Residual voltage Max. 1.5V	Environment_Ambient humidity	35 to 95% RH, storage: 35 to 95% RH
	Hysteresis (distance)	Max. 10% of sensing distance
Weight $\approx 24g \ (\approx 54g)$	Residual voltage	Max. 1.5V
	Weight	$\approx 24 \mathrm{g}  (\approx 54 \mathrm{g})$

<sup>\*\*</sup>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. \*\*The weight includes packaging. The weight in parenthesis is for unit only. \*\*The temperature or humidity mentioned in Environment indicates a non freezing or condensation.

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