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Data sheet

Wire type and power DC 3-wire type 12-2-4VDC == Sensing side diameter M18 Sensing distance 7mm Installation Shield(flush) Standard sensing target 20×20×1mm(fron) Response frequency 300Hz Current specification Current consumption: Max. 10mA Control output NPN Normally Closed 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		
Installation Shield(flush) Standard sensing target 20×20×1mm(iron) Response frequency 300Hz Current specification Current consumption: Max. 10mA Control output NPN Normally Closed 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 Shield(flush) Standard sensing target 20×20×1mm(iron) Response frequency 300Hz Current specification Current consumption: Max. 10mA Control output NPN Normally Closed 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 side diameter	M18
Standard sensing target 20×20×1mm(iron) Response frequency 300Hz Current specification Current consumption: Max. 10mA Control output NPN Normally Closed 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	7mm
Response frequency Current specification Current consumption: Max. 10mA Control output NPN Normally Closed 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: -30 to 95% RH Hysteresis (distance) Max. 10% of sensing distance Residual voltage Max. 1.5V	Installation	Shield(flush)
Current specification Current consumption: Max. 10mA Control output NPN Normally Closed 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: -30 to 80°C Environment_Ambient humidity Max. 10% of sensing distance Residual voltage Max. 1.5V	Standard sensing target	20×20×1mm(iron)
Control output NPN Normally Closed 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	Response frequency	300Hz
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 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	Control output	NPN Normally Closed
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 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	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 $\approx 60 \text{ g} (\approx 78 \text{ g})$	Residual voltage	Max. 1.5V
	Weight	≈ 60g (≈ 78g)

^{**}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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