HAM10-12GM-N1 M12 10cm sensing DC 6-36V NPN NO diffuse cylinder amplifier photoelectric switch sensor

Model number	HAM10-12GM series
External dimensions	M12x1x60
Sensing method	Diffuse reflective
Detection distance	10cm±10%
Sensitivity adjustment	Fixed
Supply voltage	12-24Vdc (6-36Vdc); 110-220Vac (90-250Vac), 50/60Hz
Rated output current	N.P Type: 300mA max; A Type: 400mA; J type: 2A max (contact life: 100000 times)
Sensing object	Opaque object
Response frequency	500Hz
Response time	1.5ms max
Light source	Infrared LED (660 nm)
Leakage current	N.P Type: 20mA max; A Type: 1.7mA max
Protection circuit	DC: Reverse connection protection, Surge suppressor, Short-circuit protection AC: Surge suppressor
Insulation resistance	50 MΩ min. at 500 V DC between energized parts and case
Dielectric strength	1000 VAC max., 50 / 60 Hz for 1 min between energized parts and case
Temperature influence	±10% max. of sensing distance at 23℃ within temperature range of -25℃ to 60℃ ±15% max. of sensing distance at 23℃ within temperature range of -30℃ to 65℃
Voltage influence	±10% max. of sensing distance in rated voltage range ±15%
IP Rating	IP67
Material	Case: Brass-nickel plated; Sensing surface (lens): PMMA
Operating temperature	-30 to 65 °C (with no icing or condensation)
Operating humidity	Storage: 35% to 95% (without condensation)

Packaging Details

Product quantity: 1pc

Package weight: 0.2kg

Package size: 13 x 8 x 9 cm