Overview

Product information



Cylindrical sensor DPC08-D03NO-30160000001

Detection method: diffuse reflection, detection distance: 30mm (white paper 30x30mm), output method: NPN open collector, repeatability: 5%

Product advantages

☑ Epoxy resin filling, strong anti-seismic performance
☑ The industry's smallest 8mm diameter

Product certification

Technical data

Product drawing

3D model

Electrical data

Switch mode	L.on (light on)
Output mode	NPN open collector
Response time	3ms
Switching frequency	0.67kHz
Operating voltage	12~24V DC±10%
Current consumption	≤30mA
Residual voltage	≤2.0V (50mA)
Load current	50mA
Insulation resistance	Between power terminal and housing ≥20MΩ (500VDC)

Pressure resistance	500VAC (50/60Hz), 1 minute between power terminals and case
Protection circuit	Short circuit protection/reverse polarity protection/mutual interference protection

Environmental parameters

Storage temperature	-30~70℃ (no freezing)
Working environment humidity	30~85%RH (no condensation)
Storage humidity	35~95%RH (no condensation)
Ambient illumination	Incandescent lamp ≤3000 Lux; Sunlight ≤10000 Lux; LED lamp ≤1000 Lux
Vibration resistance	10~55Hz, 1.5mm amplitude, 2 hours each in X, Y, and Z directions
Protection level	IP65
Operating temperature	-25~55℃ (no freezing)

Basic parameters

How it works	Photoelectric sensors
Shell style	Cylindrical
Optical working principle	Diffuse
Detection distance	30mm (white paper 30x30mm)
Light source	Infrared light 940nm

Mechanical parameters

Connection	2m/3-core cable
Size	M8x42.0mm
Weight	About 0.08kg
Material	Stainless steel

Accessories

Business data

Order number	30160000001
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	0.08kg