

Overview

Product information

**Universal square sensor DPSJ-T150NO-30160000007**

Detection method: through-beam, detection distance: 1500mm (fixed), output method: NPN open collector

Product advantages

- ☑ Dual LED indicator design, clearly identify the action
- ☑ Diffuse reflection detection distance up to 1M
- ☑ Retro-reflective detection distance up to 3M

Product certification

Technical data

Product drawing

3D model

Electrical data

Switch mode	D.on (light blocking action)
Output mode	NPN open collector
Response time	3.3ms
Switching frequency	0.06kHz
Operating voltage	12~24V DC
Current consumption	Transmitter ≤ 20mA; Receiver ≤ 20mA
Residual voltage	≤2.0V (50mA)
Load current	≤50mA (24VDC)
Insulation resistance	Between power terminal and housing ≥20MΩ (500VDC)

Pressure resistance	1000VAC (50/60Hz), 1 minute between power terminals and case
Protection circuit	Reverse polarity protection/short circuit protection

Environmental parameters

Storage temperature	-30~70℃ (no freezing)
Working environment humidity	30~90%RH (no condensation)
Storage humidity	35~90%RH (no condensation)
Ambient illumination	Incandescent lamp ≤3000 Lux; Sunlight ≤10000 Lux
Vibration resistance	10~55Hz, 1.5mm amplitude, 2 hours each in X, Y, and Z directions
Protection level	IP64
Operating temperature	-20~50℃ (no freezing)

Basic parameters

How it works	Photoelectric sensors
Shell style	Square
Optical working principle	Shooting
Detection distance	1500mm(fixed)
Light source	Infrared light 850nm (modulated)
Indicator lights	Output function: Yellow LED (receiver), Operation status: Green LED (transmitter)

Mechanical parameters

Connection	2m/3-core cable
Size	10.0x22.0x11.0mm
Weight	0.042kg
Material	PC/ABS

Accessories

Business data	
Order number	30160000007
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	0.042kg