

Overview

Product information



Universal square sensor DPSV-T500N-30160000005

Detection method: through-beam, detection distance: 5000mm, 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	L.on (light-incoming action) / D.on (light-blocking action) switchable
Output mode	NPN open collector
Response time	≤5ms
Switching frequency	0.4kHz
Operating voltage	10~30V DC
Current consumption	≤20mA
Residual voltage	≤1.5V (100mA)
Load current	≤100mA
Insulation resistance	Between power terminal and housing ≥50MΩ (500VDC)

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

Environmental parameters

Storage temperature	-30~70℃ (no freezing)
Working environment humidity	35~85%RH (no condensation)
Storage humidity	35~95%RH (no condensation)
Ambient illumination	Incandescent lamp ≤600Lux
Vibration resistance	10~50Hz, 0.5mm amplitude, 2 hours in each of the three directions of X, Y and Z
Protection level	IP65
Operating temperature	-25~55℃ (no freezing)

Basic parameters

How it works	Photoelectric sensors
Shell style	Square
Optical working principle	Shooting
Detection distance	5000mm
Light source	Infrared light 940nm (modulation)
Indicator lights	Output function: red LED, operating status: green LED

Mechanical parameters

Connection	2m/3-core cable
Size	11.0x31.0x20.0mm
Weight	0.095kg/0.05kg
Material	PBT+glass fiber

Accessories

Business data	
Order number	30160000005
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	0.095/0.05kg