

Overview

Product information



Ultra-thin sensor DPT-T50NO-I-30160000014

Detection method: through-beam, detection distance: 0~500mm, output method: NPN open collector, repeatability: <5%

Product advantages

- ☑ The thickness is only 3.5mm, which can solve the installation problem in a small space
- ☑ IP67 protection level, dustproof and waterproof, can adapt to more scenes
- ☑ The large LED indicator design is bright and clear, and it is easy to debug

Product certification

Technical data

Product drawing

3D model

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Electrical data

Switch mode	D.on (light blocking action)
Output mode	NPN open collector
Response time	≤1ms
Switching frequency	800Hz
Operating voltage	10~30V DC±10%
Current consumption	≤20mA
Residual voltage	≤2.0V (50mA)
Load current	≤50mA (30VDC)
Insulation resistance	Between power terminal and housing ≥50MΩ (500VDC)

Pressure resistance	500VAC (50/60Hz), 1 minute between power terminals and case
Protection circuit	Reverse polarity protection/surge protection/short circuit protection

Environmental parameters

Storage temperature	-30~60℃
Working environment humidity	35~85%RH (no condensation)
Storage humidity	35~95%RH (no condensation)
Ambient illumination	Incandescent lamp ≤3000 Lux; Sunlight ≤10000 Lux; LED lamp ≤1000/3000/200 Lux
Vibration resistance	10~50Hz, 0.5mm amplitude, 2 hours in each of the three directions of X, Y and Z
Protection level	IP67
Operating temperature	-25~55℃ (no freezing)

Basic parameters

How it works	Photoelectric sensors
Shell style	Flat square
Optical working principle	Shooting
Detection distance	0~500mm
Light source	Infrared LED 945nm (modulated)
Indicator lights	Output indicator light: orange; Light source indicator light: green

Mechanical parameters

Connection	2m/3-core cable
Size	10.25x20.5x4.0mm
Weight	0.044kg
Material	PC

Accessories

Business data

Order number	30160000014
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	0.044kg