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

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