

Overview

Product information



Square laser sensor DELC-TM30N-30160000057

Detection distance: 30000mm, output mode: NPN open collector, indicator light: output function: yellow LED, operating status: green LED, switch mode: L.on (light-incoming action) / D.on (light-shielding action) switchable, size: 11.0x31.0x20.0mm

Product advantages

- ☑ 0.25ms high-speed response time, suitable for detecting high-speed moving objects
- ☑ The spot diameter of the through-beam product is only 30mm (at 30m)
- ☑ The protection level can reach up to IP67

Product certification

Technical data

Product drawing

3D model

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Electrical data

Switch mode	L.on (light-incoming action) / D.on (light-blocking action) switchable
Output mode	NPN open collector
Response time	0.25ms
Operating voltage	12~24V DC±10%
Current consumption	Transmitter ≤30mA; Receiver ≤30mA
Residual voltage	≤2.5V (100mA)
Load current	≤100mA (24VDC)
Insulation resistance	Between power terminal and housing ≥50MΩ (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	-10~70℃ (no freezing)
Working environment humidity	35~85%RH (no condensation)
Storage humidity	35~95%RH (no condensation)
Ambient illumination	Incandescent lamp ≤3000 Lux; LED lamp ≤1000 Lux; Sunlight ≤10000 Lux
Vibration resistance	10~55Hz, 1.5mm amplitude, 2 hours each in X, Y, and Z directions
Protection level	IP67
Operating temperature	-10~50℃ (no freezing)

Basic parameters

How it works	Photoelectric sensors
Shell style	Square
Optical working principle	Shooting
Detection distance	30000m
Light source	Red laser, 650nm Class 1
Indicator lights	Output function: yellow LED, operating status: green LED

Mechanical parameters

Connection	2m/3-core cable
Size	11.0x31.0x20.0mm
Weight	0.092kg

Accessories

Business data	
Order number	30160000057
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	0.092kg