DEGSON

## Overview

### Product information

# Square laser sensor DELC-RM10N-30160000059

Detection distance: 10000mm, 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

### 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 | ≤20mA |
| Residual voltage | ≤1.5V (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 | -30~70℃ (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 | Retro-reflection |
| Detection distance | 10000mm |
| Light source | Red laser, 650nm Class 2 |
| Indicator lights | Output function: yellow LED, operating status: green LED |

Mechanical parameters

| | |
|---|---|
| Connection | 2m/3-core cable |
| Size | 11.0x31.0x20.0mm |
| Weight | 0.049kg |

Accessories

## Business data

| | |
|---|---|
| Order number | 30160000059 |
| Packing unit | 1 |
| Minimum order quantity | 1 |
| Products weight (without packaging) | 0.049kg |