

Overview

Product information



Slot sensor DST-303NA-SC-30160000046

Output mode: NPN open collector, Repeatability: 0.01mm, Indicator: Red LED,
Switching mode: L.on (light-on action)/D.on (light-off action) Switchable light
source: Infrared LED, 940nm

Product advantages

- ☒ Normally open/normally closed output, convenient for wiring
- ☒ Slot depth 8.5mm, to prevent the detected object from hitting the bottom of the slot to the greatest extent

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	0.3ms
Switching frequency	3kHz
Operating voltage	5~24V DC
Current consumption	≤20mA
Residual voltage	0.2V or less (load current 10mA), 1.5V or less (load current 100mA)
Load current	≤100mA (24VDC)
Insulation resistance	≥20MΩ (250VDC)

Pressure resistance	AC, 1000V 1 minute, between all power connection terminals and the housing
Protection circuit	Reverse polarity protection/surge protection

Environmental parameters

Storage temperature	-30~80℃
Working environment humidity	5~85%RH (no condensation)
Storage humidity	5~95%RH (no condensation)
Ambient illumination	Incandescent lamp ≤1000 Lux
Vibration resistance	10~55Hz, 1.5mm amplitude, 2 hours each in X, Y, and Z directions
Protection level	IP50
Operating temperature	-25~55℃ (no freezing)

Basic parameters

How it works	Photoelectric sensors
Shell style	T-Type
Optical working principle	Shooting
Detection distance	5.0mm
Light source	Infrared LED, 940nm
Indicator lights	Red LED

Mechanical parameters

Connection	4-pin connector
Size	32.7x15.2x27.1mm
Weight	0.002kg
Material	PC

Accessories

Business data	
Order number	30160000046
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	0.002kg