OTRON Industrial Automation | Global

Slot-type Photomicrosensor with connector or pre-wired models (Non-modulated)*1

EE-SX672R

Non-modulated Through-beam type, Grooved Type (T-shaped) Appearance (Slot center 7 mm), Connector type, Sensing distance 5 mm, Dark-ON/Light-ON (selectable), PNP Open collector output



Туре	Grooved Type (T-shaped) (Slot center 7 mm)
Luminous method	Non-modulated
Sensing method	Through-beam type
Sensing distance	5 mm (slot width)
Operation mode	Dark-ON/Light-ON (selectable)
Control output (Output type)	PNP Open collector output
Connection method	Connector type (direct soldering possible)

Image

Ratings/Performance

As of October 10, 2017

Туре	Grooved Type (T-shaped) (Slot center 7 mm)
Luminous method	Non-modulated
Sensing method	Through-beam type
Sensing distance	5 mm (slot width)
Operation mode	Dark-ON/Light-ON (selectable)
Standard sensing object	Opaque object (2 x 0.8 mm min.)
Differential distance elements	0.025 mm max.
Light source (Peak wavelength)	Infrared LED (940 nm)
Indicator	No incident light (red)
Power supply voltage	5 to 24 VDC ±10% (ripple (p-p)10% max.)
Current consumption	12 mA max. (L terminal open)
Control output (Output type)	PNP Open collector output
Control output (Load power supply voltage)	5 to 24 VDC
Control output (Load current)	50 mA max.
Control output (Residual voltage)	1.3 V max. (at 50 mA load current)
Protection circuits	Output short-cut protection
Response frequency elements	1 kHz min. (average 3 kHz) (See "Measurement condition of Response frequency elements")
Illumination on the surface receiver	Fluorescent light: 1000 lx max.

Ambient temperature	Operating: -25 to 55 °C Storage: -30 to 80 °C (with no icing or condensation)	
Ambient humidity	Operating: 5 to 85% RH Storage: 5 to 95% RH (with no icing or condensation)	
Vibration resistance	20 to 2000 Hz, peak acceleration 100 m/s**2, 1.5-mm double amplitude 2 h each in X, Y, and Z directions (4 min periods)	
Shock resistance	500 m/s**2, 3 times each in X, Y, and Z directions	
Degree of protection (IEC60529)	IP50	
Connection method	Connector type (direct soldering possible)	
Material	Case: Polybutylene phthalate (PBT) Emitter/Receiver Cover: Polycarbonate(PC)	

As of October 10, 2017

Dimensions

As of October 10, 2017



Caution: All_units are in millimeters unless otherwise indicated.

Terminal array

Terminal Arrangement

(1)	Ð	Vcc
(2)	L	L
(3)	OUT	OUTPUT
(4)	θ	GND (0 V)

As of October 10, 2017



