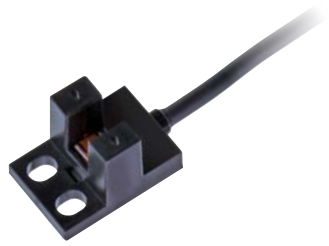
RLY series

SLOT-TYPE **PHOTOMICROSENSOR**

mindman

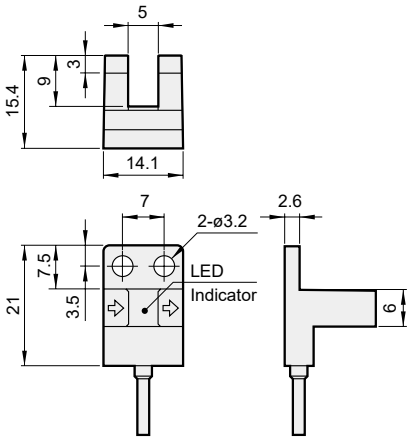


Order example

RLY — N — 2M

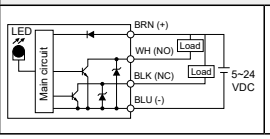
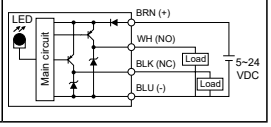
- RLY — MODEL
- N — SWITCH TYPE
  - **N**: NPN
  - **P**: PNP
- 2M — WIRE LENGTH
  - **2M**: L=2000mm

Dimension



①	Brown	5~24V DC
②	White	Output 1 (NO)
③	Blue	GND (0V)
④	Black	Output 2 (NC)

Specification

Model	RLY-N	RLY-P
Detection distance	5 mm (slot width)	
Standard detection object	Opaque objects larger than 0.8×1.2 mm	
Repeat accuracy	≤ 0.03 mm	
Contact type	NPN	PNP
Switch mode	Switchable between L.on (Light ON mode) and D.on (Dark ON mode)	
Indicator light	When an object is detected, the light turns off; when no object is present, the light remains on	
Response frequency	3KHz	
Light source	Infrared LED	
Operating voltage	5~24 VDC	
Residual voltage	1V or below (at a load current of 100mA)	
Current consumption	≤8mA	
Protection circuit	Surge protection, reverse polarity protection	
Ambient light intensity	Illuminance on the receiving surface: Below 1000 lux (incandescent lamp)	
Ambient temperature	Operating: –25~+55°C, Storage: –30~+80°C (No freezing)	
Ambient humidity	Operating: 5~85%RH, Storage: 5~95%RH (No condensation)	
Dielectric strength	AC, 1000V for 1 minute, between all power connection terminals and the outer casing	
Vibration resistance	10~55 Hz, amplitude 1.5mm, 2 hours each in the X, Y, and Z directions	
Insulation resistance	Between all power connection terminals and the outer casing, more than 20MΩ (based on DC 250V)	
Degree of protection	IP50	
Case material	PC	
Wiring method	24M - 4 core cable	
Wight	25 g	
Connect diagram		

* Caution for safety .

Timing diagram

