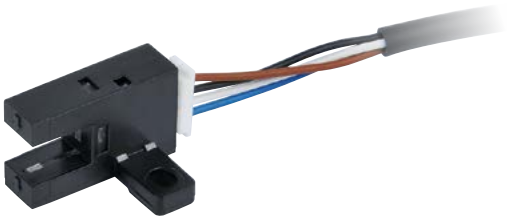
RLT series

SLOT-TYPE **PHOTOMICROSENSOR**

mindman

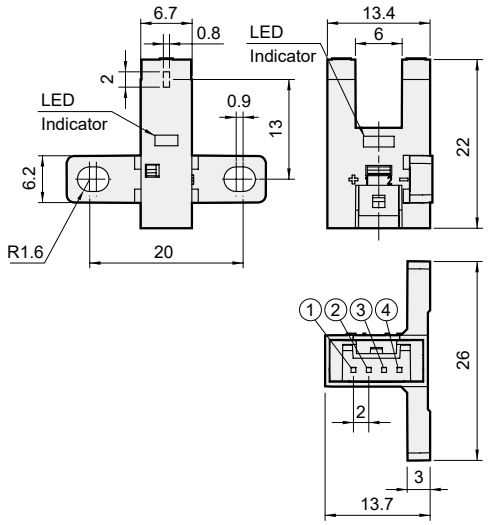


Order example

RLT — N — □

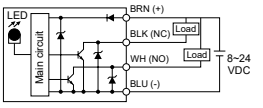
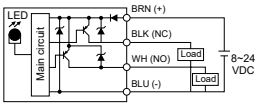
MODEL	SWITCH TYPE	WIRE LENGTH
	N: NPN **P**: PNP	Blank: Without **2M**: L=2000mm * Special order is available.

Dimension



①	+	Brown	8~24V DC
②	1	Black	Output 1 (NC)
③	2	White	Output 2 (NO)
④	–	Blue	GND (0V)

Specification

Model	RLT-N	RLT-P
Sensing distance	6 mm (slot width)	
Sensing object	Opaque: 2×0.8mm min.	
Switch type	NPN current sinking	PNP current sourcing
Differential distance	0.025 mm max.	
Light source (Peak wavelength)	Infrared LED with a peak wavelength of 940 mm	
Indicator	Ligh indicator (Red LED)	
Supply voltage	8~24 VDC ± 10%, ripple (p-p): 10% max.	
Current consumption	20 mA max.	
Control output	Load power supply voltage: 8~24 VDC Load current: 50 mA max Off-stagte current: 0.5 mA max. 50 mA load current with a residual voltage of 1.0 Vmax. 19 mA load current with a residual voltage of 0.4V max.	
Protection circuit	Power supply reverse polarty protection; output reverse polarity protection: overcurrent protection	
Response frequency	1 kHz min. (2 kHz average)	
Ambient illumination	1000 lx max. with fluorescent light on the surface of the receiver	
Ambient temperature	Operating: –25~55°C, Storage: –30~80°C (with no icing or condensation)	
Ambient humidity range	Operating: 5~85% RH, Storage: 5~95% RH (with no icing or condensation)	
Vibration resistance (Destruction)	10~2000 Hz 0.75-mm single amplitude (15-min periods, 10 cycles) each in X, Y and Z directions	
Shock resistance (Destruction)	Destruction: 500 m/s2 for 3 times each in X,Y and Z directions	
Degree of protection	IEC 60529 IP50	
Connecting method	Connector	
Case material	Acrylonitrile butadiene styrene (ABS)	
Wight (Packed state)	Approx. 3g	
Connect diagram		

* 1. Caution for safety .

Assembling style

Cylinder type	Mounting
METFB, METS2 **MESH2, MESS2**