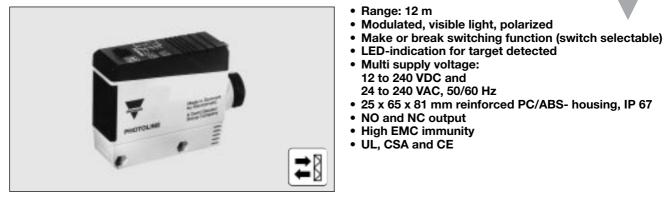
Photoelectrics Retro-reflective, Polarized Type PMP12..



Product Description

The PMP12.. is a powerfull polarized retro reflective sensor. The sensor is designed to meet the hash requirements in industrial environments. With a sensing distance at 12 m the sensor is usefull in applications where dust and weather conditions will influence on the sensing distance. The sensor is made in a strong glass reinforced PC/ABS housing with two cable glands for easy connection.

Ordering Key	PMP12RG
Type family	
Туре —	
Sensing distance (m) —	
Output relay	
Cable gland type ———	

12 to 240 VDC and 24 to 240 VAC, 50/60 Hz

Type Selection

Housing	Range	Ordering no.
W x H x D	(S _n)	without timer
25 x 65 x 81 PG 13.5 cable gland 1/2" NPT cable gland	– 12 m 12 m	PMP 12 RG PMP 12 RI

Specifications

Rated operating dist. (S _n) (0 to 5,000 lux)	12 m with reflector type ER 4, ref. target		
Blind zone	≤ 0.15 m		
Sensitivity	Fixed		
Temperature drift	≤ 0.4 %/°C		
Differential travel (H) Hysteresis	3 to 20%		
Rated operational volt. (U _B)	10.8 to 264 VDC 21.6 to 264 VAC, 45 to 65 Hz		
Rated operational power (relay ON)	≤ 2 W (2.5 VA)		
Output Contact ratings (AgCdO) Resistive loads AC 1 DC 1 Small inductive loads AC 15 DC 13 Mechanical life (typical) Electrical life (typical)	μ (micro gap) 3 A/250 VAC 3 A/30 VDC 2 A/250 VAC 3 A/30 VDC ≥ 40 x 10 ⁶ operations ≥ 5 x 10 ⁵ operations at 220 VAC - 3 A resistive load: 360 impulses/h 2,000 VAC (rms)		
Dielectric voltage	(cont./supply)		
Light source Light type	GaAlAs, LED, 660 nm Visible, modulated		

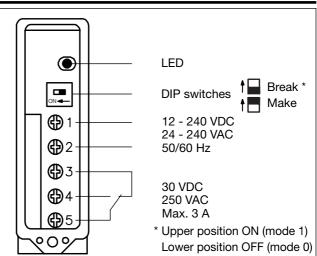
Optical angle Light spot size Ambient light	± 1.5° 280 mm at 4 m Max. 5'000 lux			
Operating frequency	20 Hz			
Response time OFF-ON (t _{ON}) ON-OFF (t _{OFF})	≤ 20 ms ≤ 30 ms			
Power ON delay (t _v)	≤ 300 ms (typ. 100 ms)			
Output function	Switch selectable, make or break switching			
Indication				
Target detected	LED, yellow			
Environment				
Overvoltage category Pollution degree	III (IEC 60664/60664A; 60947-1) 3 (IEC 60664/60664A; 60947-1)			
Degree of protection	IP 67 (IEC 60529; 60947-1)			
Temperature				
Operating Storage	-25° to +55°C (-13° to +131°F) -30° to +80°C (-22° to +176°F)			
Vibration Shock	10 to 150 Hz, 0.5 mm/7.5 g (IEC 60068-2-6) 2 x 1 m & 100 x 0.5 m (IEC 60068-2-32)			
Rated insulation voltage	250 VAC (rms)			



Specifications (cont.)

Housing material Body Front Cover Cable gland Mounting bracket	PC/ABS, grey PMMA, red PC, black PA, black, reinforced Steel, galvanized
Connection Screw terminal Cable gland	5 x 2 x 1 mm ² PG 13.5 or 1/2" NPT for cable 6 to 10 mm
Weight	110 g
Approvals	UL, CSA
CE-marking	Yes

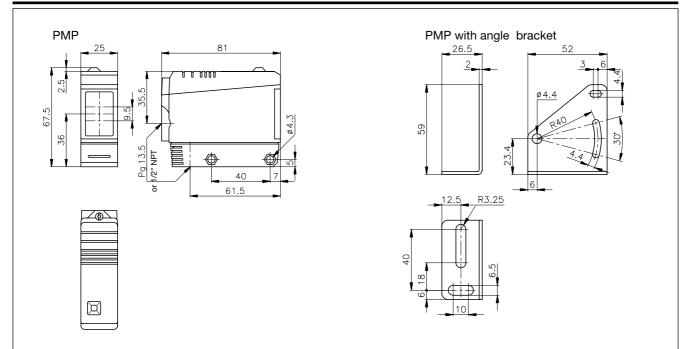
Connection Diagram



Operation Diagram

t = Time delay tv = Power ON delay			
Power supply			
Target present			
Object present			

Dimensions





Delivery Contents

- Photoelectric switch: PMP12..
- Cable glandInstallation instruction
- Mounting bracketPackaging: Cardboard box

Accessories

- Reflectors: ER series
- MB02 (longer mounting bracket)

For further information refer to "Accessories".