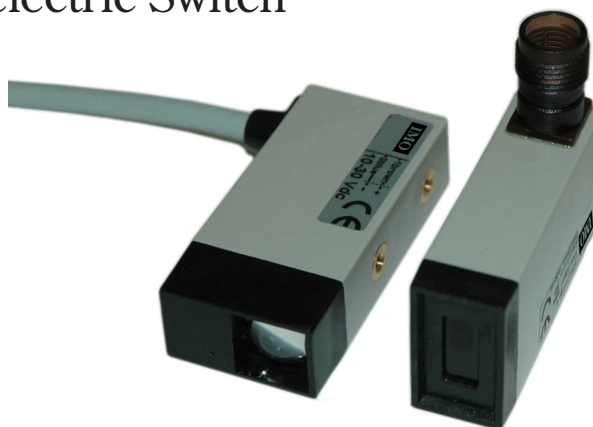


PS Series

Miniature Rectangular Photoelectric Switch

- Many models available
- Sensitivity adjustment
- Cabled or plug exit
- Complete protection against damage
- IP65 rated



Options & Ordering Codes

PS		2		/		A		N		-		0		C	
Series														Cable Exit	
Miniature rectangular photoelectric sensor		PS												C	Right angle
														E	Right angle M12 plastic plug
Model														Housing Material	
100mm diffuse reflection		2												0	Plastic
200mm diffuse reflection		4													
2m retro-reflective		C													
Emitter		E													
Receiver		R													
														Output Configuration	
														N	NPN
														P	PNP
														Output	
														0	Emitter / NO/NC selectable output (PSR only)
														A	NO output state
														C	NC output state

Available Models

Model	Distance	Output	LO NPN	DO NPN	LO PNP	DO PNP
Diffuse Reflection	100mm	Cable 90°	PS2/AN-0C	PS2/CN-0C	PS2/AP-0C	PS2/CP-0C
		Plug 90°	PS2/AN-0E	PS2/CN-0E	PS2/AP-0E	PS2/CP-0E
	200mm	Cable 90°	PS4/AN-0C	PS4/CN-0C	PS4/AP-0C	PS4/CP-0C
		Plug 90°	PS4/AN-0E	PS4/CN-0E	PS4/AP-0E	PS4/CP-0E
Retro-Reflective	2m	Cable 90°	PSC/AN-0C	PSC/CN-0C	PSC/AP-0C	PSC/CP-0C
		Plug 90°	PSC/AN-0E	PSC/CN-0E	PSC/AP-0E	PSC/CP-0E

Model	Distance	Output	Wires LO/DO NPN	Wires LO/DO PNP
Through-Beam	4m	Cable 90°	PSE/00-0C	
		Plug 90°	PSE/00-0E	
		Cable 90°	PSR/0N-0C	PSR/0P-0C
		Plug 90°	PSR/0N-0E	PSR/0P-0E

PS Series

Miniature Rectangular Photoelectric Switch

Technical Specifications

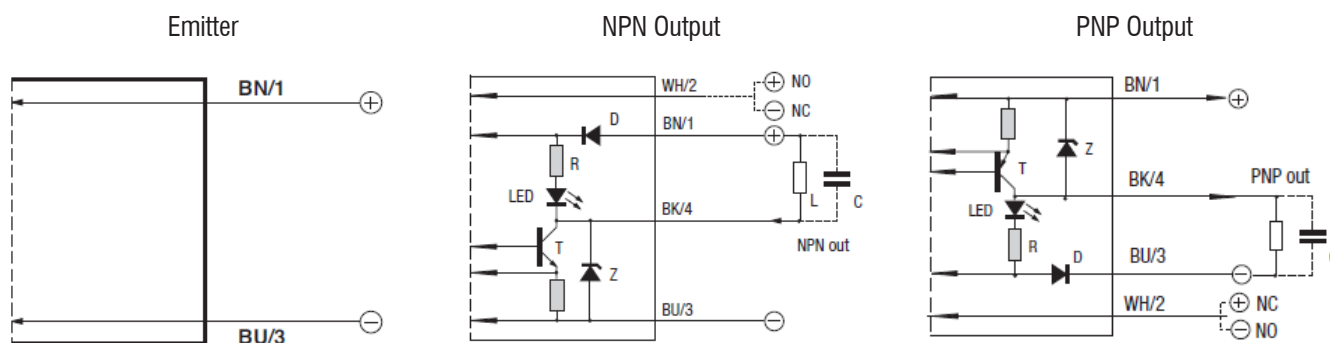
Model	PS2/**-0*	PS4/**-0*	PSC/**-0*	PSE/00-0* PSR/**-0*
Type	Diffuse reflection		Retro-reflective	Through-beam
Nominal Sensing Distance (Sn)	100mm ⁽¹⁾	200mm ⁽¹⁾	2m ⁽²⁾	4m
Emission	Infrared (880nm)			
Tolerance	+15/-5% Sn			N/A
Diferential Travel	≤5%	≤10%		
Repeat Accuracy	5%			
Operating Voltage	10-30VDC			
Ripple	≤10%			
No Load Supply Current	30mA			25mA (emitter) 30mA (receiver)
Load Current	≤100mA			
Leakage Current	≤10μA @ Vmax			
Output Voltage Drop	1.2 Vmax			
Output Type	NPN or PNP, NO or NC (NO/NC selectable for PSR models)			
Switching Frequency	100Hz			25Hz
Time Delay Before Availability	200ms			
Supply Electrical Protections	Polarity reversal, transient			
Supply Electrical Output	Short circuit (autoreset)			
Sensitivity Adjustment	1 turn trimmer			
Temperature Range	-25°C to +70°C (without freeze)			
Temperature Drift	≤10% Sr			
Interference External Light	3000 lux (incandescent lamp) 10000 lux (sunlight)			
Protection Degree	IP65 (EN 60529)			
LED Indicators	Red (output energised)			
Housing Material	ABS			
Optic Material	Plexiglass			
Weight	90g approx. (20g mounting bracket ST07)			

(1) With 100x100mm white matte paper

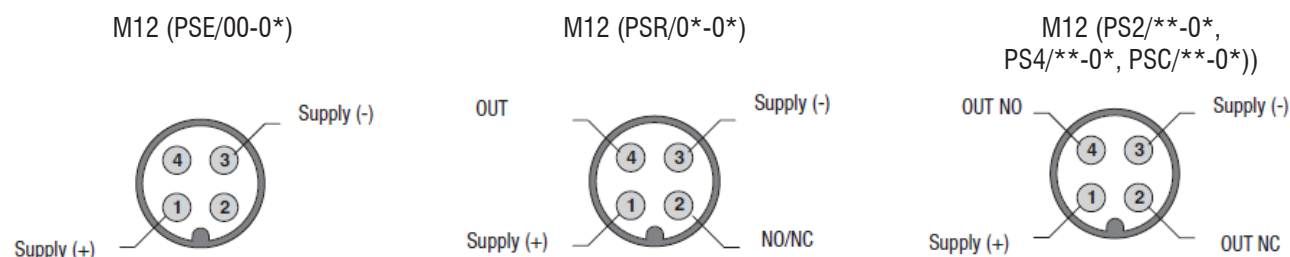
(2) With standard reflector Ø 80mm (supplied separately)

(3) Protection guaranteed only with plug cable well mounted

Wiring Diagram



Dimensions

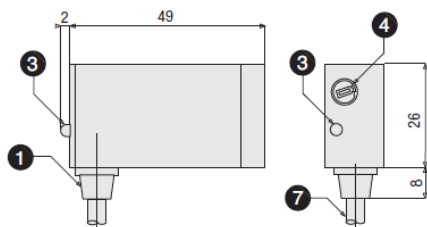


PS Series

Miniature Rectangular Photoelectric Switch

Dimensions (mm)

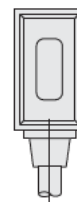
PS2/**-0C PS4/**-0C



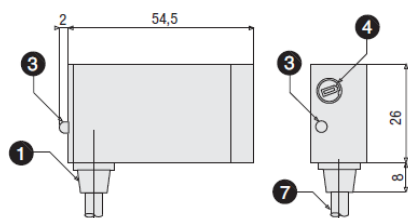
PSC/**-0C



PS2/**-0C PS4/**-0C



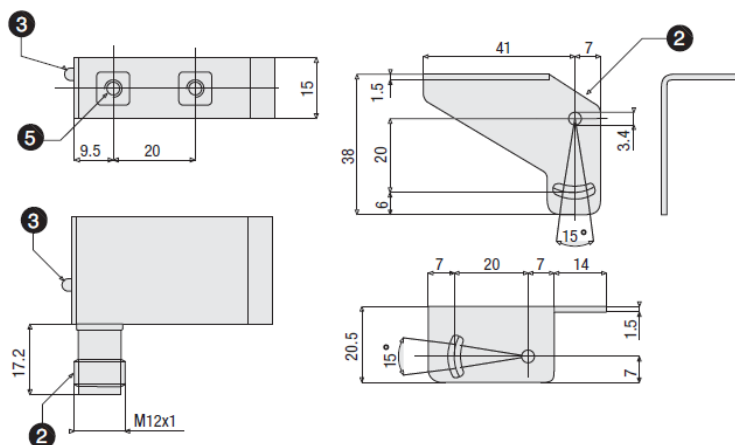
PSC/**-0C PSE/00-0C PSR/0*-0C



PSE/00-0C PSR/0*-0C



PS*/**-0E



- ① Right angle cable exit
- ② M12 plastic plug cable exit
- ③ Red LED (output state)
- ④ Sensitivity adjustment trimmer (1 turn)
- ⑤ Holes for M4 mounting screw
- ⑥ ST07 mounting bracket (supplied)
- ⑦ Cable 4 (2, 3) x 0.34mm², Ø 4.7mm, PVC, 2m