

Output method	NPN N.O.	PS0801-N	PS0801-MD	PS0802-N	PS0802-ND
	PNP N.O.	PS0801-P	PS0801-PD	PS0802-P	PS0802-PD
	NPN N.O./N.C. PNP N.O./N.C.	PS0801-NP	PS0801-NPB	PS0802-NP	PS0802-NPB
	2 WIRES N.O.	PS0801-C	—	PS0802-C	—
	2 WIRES N.C.	PS0801-C2	—	PS0802-C2	—

Sensing distance	1 mm	2 mm
Secure sensing distance	0 ~ 0.8 mm	0 ~ 1.6 mm
Standard sensing object	Iron 8 × 8 × 1 mm	
Sensing type	Shielded	Unshielded
Description	Standard M8	
Hysteresis	≤ 10 % of sensing distance	
Response time	1 ms Max.	
Operating voltage	DC12 ~ 24 V / DC24 V±10%	
Current consumption	≤ 8 mA no-load (Not for C/ C2)	
Load current	100 mA Max. at DC 24V	
Leakage current	≤ 1.1 mA no-load : ≤ 0.7 mA no-active	
Residual voltage	≤ DC 2V / ≤ DC 7V	
Insulation resistance	20MΩ min. (DC500V)	
Voltage withstandability	AC1000V 60Hz for 60 Sec.	
Operating temperature	-20℃ ~ + 60℃	
Protection degree	IP 67	

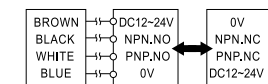
Wiring method	N/P:Ø3x2M/3-wires NP:Ø3x2M /4-wires 2W:Ø3x2M/2-wires	M8 pigtailed type	N/P:Ø3x2M/3-wires NP:Ø3x2M /4-wires 2W:Ø3x2M/2-wires	M8 pigtailed type
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Weight	Approx.30g	Approx.12g	Approx.30g	Approx.12g
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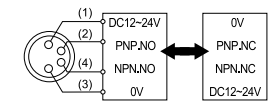
◆ Dimensions (unit:mm)

◆ Wiring diagrams

-NP



-NPB



(1)BROWN (3)BLUE
(2)WHITE (4)BLACK

