

Output method	NPN N.O.	TSN18-N	TSN18-NK
	PNP N.O.	TSN18-P	TSN18-PK
	NPN N.O./N.C.	TSN18-NP	TSN18-NPK
	PNP N.O./N.C.		
	SCR N.O.	—	—
	SCR N.C.	—	—
Sensing distance	18 mm		
Secure sensing distance	0 to 14.4 mm		
Standard sensing object	Iron 30 x 30 x 1mm		
Sensing Surface	Top surface		
Hysteresis	≤ 15 % of sensing distance		
Response time	5ms Max.		
Operating voltage	DC 12 ~ 24V		
Current consumption	≤ 8 mA no-load		
Load current	100 mA Max. at DC 24V		
Leakage current	≤ 1.1 mA no-load		
Residual voltage	≤ DC 1.5V		
Insulation resistance	20MΩ min. (DC500V)		
Voltage withstandability	AC1000V 60Hz for 60 Sec.		
Operating temperature	-5°C ~ + 50°C		
Protection degree	IP 66		IP 66
Wiring method	N/P : Pre-wired Ø5.2 x 2M/3-wires NP : Pre-wired Ø5.2 x 2M/4-wires		M12 pigtailed type
Weight	Approx.125g		Approx.70g

• Dimensions (unit:mm)

• Wiring diagrams

