

Proximity Switch PEK251



Product Description

A family of extended range inductive proximity switches industrial standard nickel plated brass housing. Output are open collector NPN or PNP transistor. Available with cable and plug

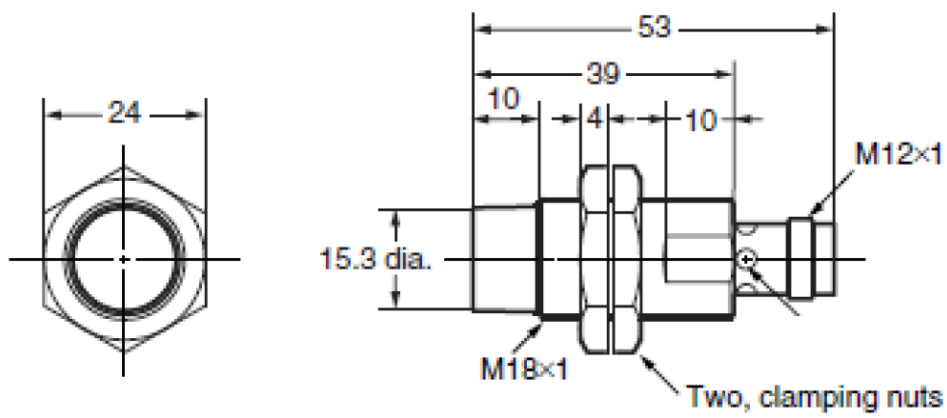
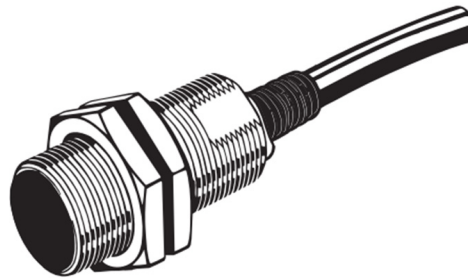
Features

- shielded Models
- Variable sensing distance
- Long and short cylindrical body
- Output : NPN or PNP
- Normally open / normally closed function
- rated operational voltage : 10 - 24 V DC
- Cable and Plug versions
- Reverse polarity protection
- Short circuit protection

Specifications

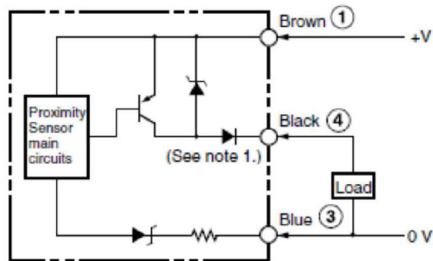
Type	Non-shielded
size	M18
Sensing distance	8 mm±10%
Setting distance	0 to 6.4 mm
Target	Ferrous metal
Standard target	25×25×1 mm
Response frequency	600 Hz
Power supply voltage	12 to 24 VDC. Ripple (p-p): 10% max.
Output type	PNP or NPN (open collector)
Operation mode	Normally open (NO)
Connection	M12 Connector
Protection circuit	Short-circuit protection
Ambient air temperature	Operating: -40°C to 70°C, Storage: -40°C to 85°C
Weight	Approx.40g
Material. Case	Brass-nickel plated
Material. Sensing surface	PBT
Type of Case	Cylindrical

Diagram



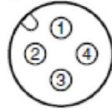
Wiring

Output Circuit

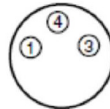


Note 1: With M8 connector models, there is no output reverse polarity protection diode.

M12 Connector
Pin Arrangement
(See note 2.)



M8 Connector
Pin Arrangement



Timing Chart

