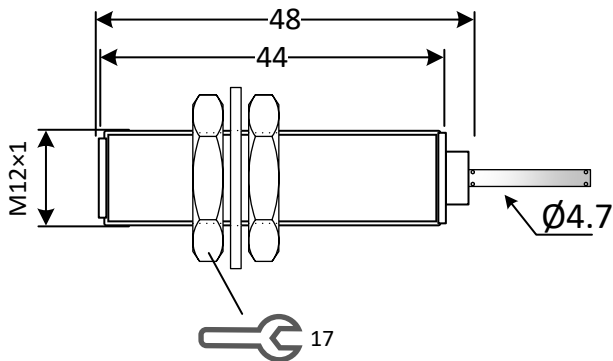


Inductive Proximity Sensor

CIP02-12FDN1

- NPN-NO
- $S_n=2\text{mm}$
- 12-24 VDC (10-30 VDC)
- $I_{MAX}=200\text{mA}$



Technical Data

Switching output	NPN Normally Open (NO)
Sensing distance (S_n)	2 mm
Standard sensing target	Iron
	12×12×1 mm
Setting distance (S_a)	1.5 mm
Hysteresis	10%
Installation	Flush mounting
Output polarity	DC
Output type	3 Wire
Power supply voltage	12-24 VDC=
(Operating voltage)	(10-30 VDC=)
Response frequency	400Hz
Output current	200 mA
No load supply current	20 mA
Residual voltage	2V
Indicator	Red LED
Protection circuit	Reverse polarity protection, short-circuit protection, over-voltage protection

Environmental Condition

Ambient temperature	-20 to 60°C
Ambient humidity	35 to 85%RH
IP rating	IP67

Mechanical Specification

Housing material	Nickel plated Brass
Sensing face	ABS, green
Connection type	Cable, PVC
Cable length	2 m
Cable diameter	4.70 mm
Conductor cross section	0.25 mm ²
Number of conductors	3
Cable color	Black
Weight	Approx. 71g
Size	M12×1
Accessories	Instruction manual, Clamping nuts, Toothed washer

Wiring Diagram

