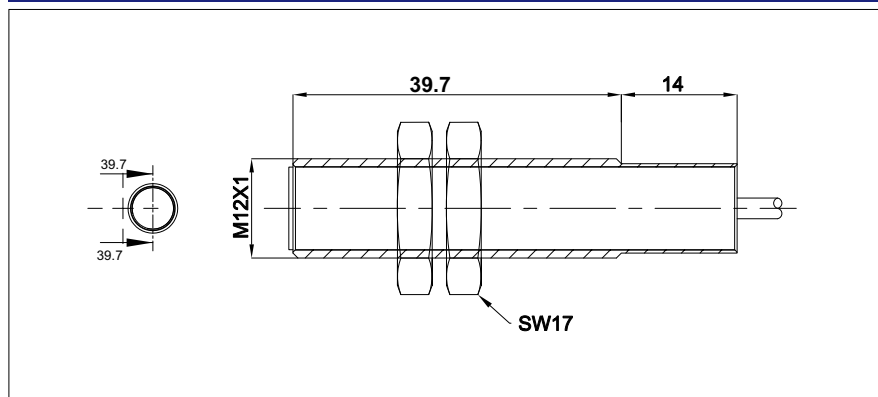


Inductive Proximity Sensors M12 Series

I12-BC-2NCF

Drawing



Dappr
SENSORS

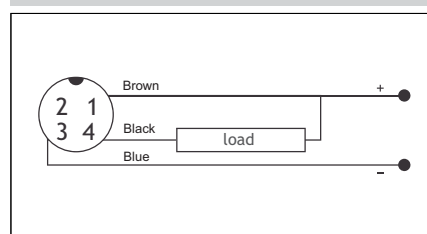
Brief Specification

- Standard Series
- 2mm Flush
- NPN
- Normally Closed
- Cylindrical Brass

General Specification

Head Dimension	12mm
Sensing Distance	2mm $\pm 10\%$
Hysteresis/ Differential Travel	10%
Sensing Target (Iron)	12X12X1mm
Switching Element Function	NPN
Output Logic	Normally Closed
Mounting	Flush
Output Indicator	LED-RED
Frequency of Operating Cycle	1000Hz

connection diagram



Electrical Data

Operating Voltage	10-30V DC
Residual Voltage	<1V
Voltage Drop	<2.2V
Rated Operated Current	200mA
No-Load Supply Current	<15mA
Dielectric Strength	1500VAC -50/60Hz for 1 minute

Mechanical Data

Housing	Housing-Nickel Plated Brass,Nuts-Nickel Plated Brass(2nos),Washer-Nickel Plated Iron
Sensing Face	ABS Plastic (NPN-Grey)
Connection	Cable,3 Core,0.25 Sqmm,24Awg, 14 x 0.15mm PVC Black(Brown,Blue,Black)

Protection and Tests

Protection Circuit	Surge Protection, Reverse Polarity, Over Current Protection
Shock Test	500m/s ² (50G) - X,Y,Z directions for 3 times
Vibration Test	1mm amplitude at frequency of 10-55 Hz in each of X,Y,Z directions for 2Hrs
Protection Class	IP 67

Ambient Conditions

Operating Temperature	-25°C to +70°C
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