

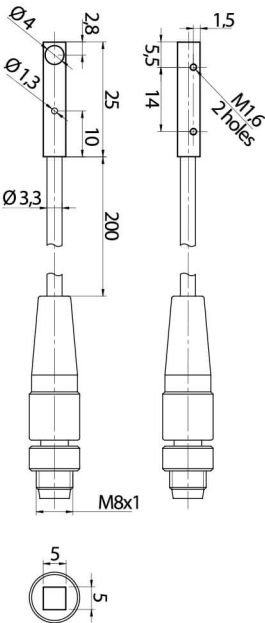


Indicative image



5 X 5 MM CUBIC MINIATURIZED INDUCTIVE SENSORS

- Complete range of cubic inductive sensors IL8 series:
5x5x25 mm
- IP67 protection degree



Detection properties

Nominal sensing distance	1,5mm
Operanting distance	0...1,21mm
Standard target	5x5mm FE360
Correction Factor	copper: 0,37 ± 10% / aluminium: 0,30 ± 10% / brass: 0,40 ± 10% / stainless steel: 0,67 ± 10%
Thermal drift of Sr	< 10%
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	NPN
Output Function	NO
Switching frequency	≤ 7kHz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 10mA

Load current	≤ 100mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,5V @100mA
Max ripple content	≤10%
LED indicators	Blue LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Shielded
Dimensions	5 x 5 / L = 25mm
Weight	15g
Housing Material	AISI 303 Stainless Steel
Connections	200mm PUR Cable + M8 Plug
Active Head Material	PBT
Operating temperature	-25°C...+70°C
Diameter/Dimension	5x5x25mm

Test/Approvals

Approvals	CE
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

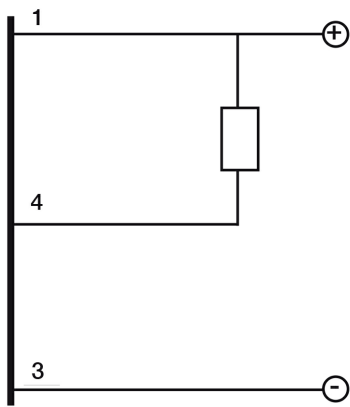
Accessories

Supplied Accessories	2 Screws M1.6x0.35L10
----------------------	-----------------------

Generical Data

Dimensions	5 x 5 / L = 25mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail info@datasensing.com

date of printing

29/04/2022 00:52:40