

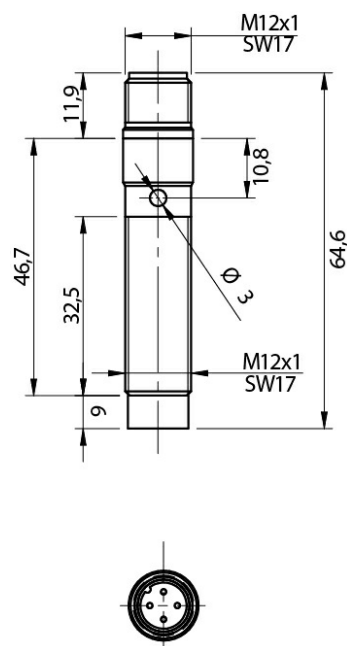


Indicative image



M12 & M18 IP67/68 CYLINDRICAL FOR HARSH ENVIRONMENTS - DC

- Innovative housing (double enclosure)
- Cutting oils resistant (for machines tool)
- Immersion proof (sealing IP 67/68)
- High frequency switching
- Complementary output (NO+NC), M12 plug cable exit
- ATEX models, cat. 3, available on request
- LED indicator visible at wide angle
- Complete protection against electrical damages



Detection properties

Nominal sensing distance	4mm
Operating distance	0...3,24mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,34 / aluminium: 0,41 / brass: 0,51 / stainless steel: 0,88
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 + NC
Switching frequency	2kHz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 15mA
Load current	≤ 100mA
Leakage current	≤ 10μA
Output voltage drop	≤ 2V @100mA
Max ripple content	≤10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes

Mechanical data

Mounting	Unshielded
Dimensions	M12 x 1 / L =64,6mm
Weight	30g
Housing Material	AISI 303 Stainless Steel
Connections	M12 Plug
Active Head Material	PPS
Tightening torque	20Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M12

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, IP68

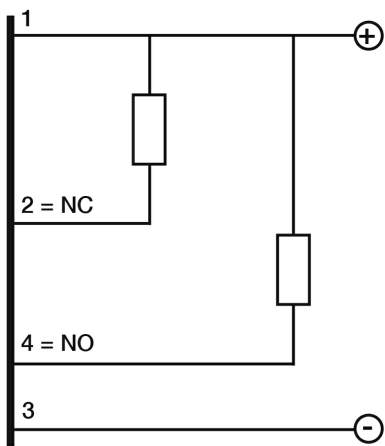
Accessories

Supplied Accessories	2 nuts M12x1
----------------------	--------------

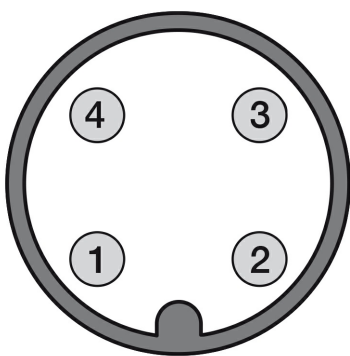
Generical Data

Dimensions	M12 x 1 / L =64,6mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67, IP68

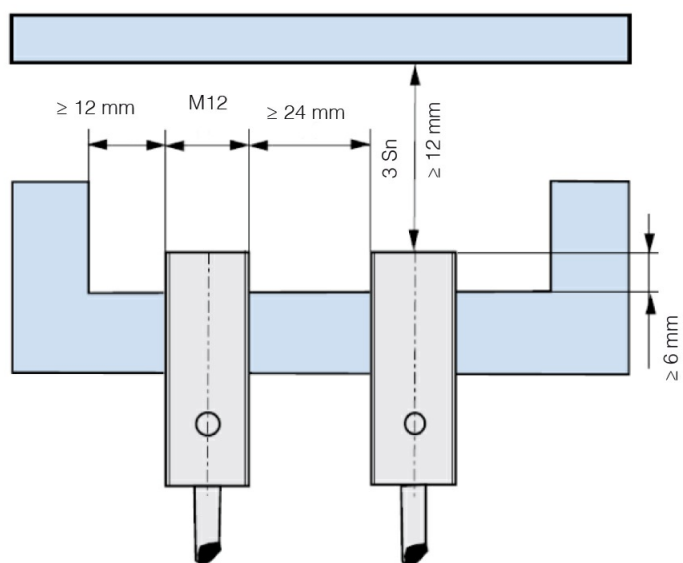
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



INSTALLATION



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 08:29:05