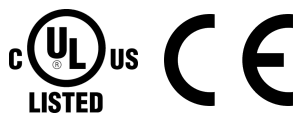
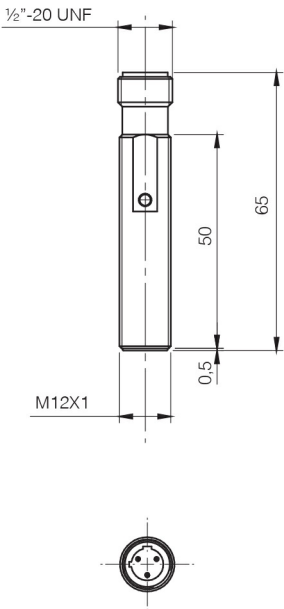




Indicative image

"M8, M12, M18, M30 INDUCTIVE WITH AC/DC SUPPLY VOLTAGE"



Detection properties

Nominal sensing distance	4mm
Operanting distance	0...3,2mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,48 / aluminium: 0,54 / brass: 0,60 / stainless steel: 0,86
Thermal drift of Sr	< 10 %
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	MOSFET
Output Function	NC (Vac) - NC/N0 (Vdc)
Switching frequency	25Hz (AC) - 750Hz (DC)

Electrical data

Operating Voltage	20...250Vac/50-60Hz - 20...250Vdc
Load current	5...140ma(Vac) - 5...200mA (Vdc)

Leakage current	$\leq 1\text{mA (Vac)} - \leq 0,7\text{mA (Vdc)}$
Output voltage drop	$\leq 7,5\text{V (Vac)} - \leq 8\text{V (Vdc)}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED output state
Time delay before availability	$\leq 100\text{ms}$
Short-circuit protection	Yes
Impulsive Overvoltage Protection	Yes
Inrush current	600mA/150ms (AC/DC)
0,1 μF @Vmax - 1 μF @Vmin	1 μF @Vmax - 1 μF @Vmin

Mechanical data

Mounting	Shielded
Dimensions	M12 x 1 / L = 65mm
Weight	20g
Housing Material	Nickel-plated brass
Connections	½" - 20UNF plug
Active Head Material	PA4T
Tightening torque	6Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M12

Test/Approvals

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

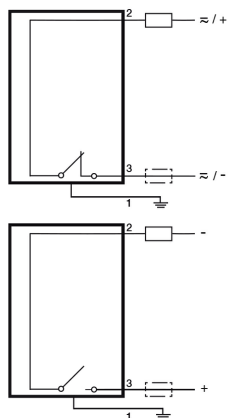
Accessories

Supplied Accessories	2 nuts M12x1
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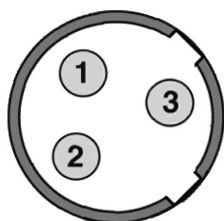
Generical Data

Dimensions	M12 x 1 / L = 65mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

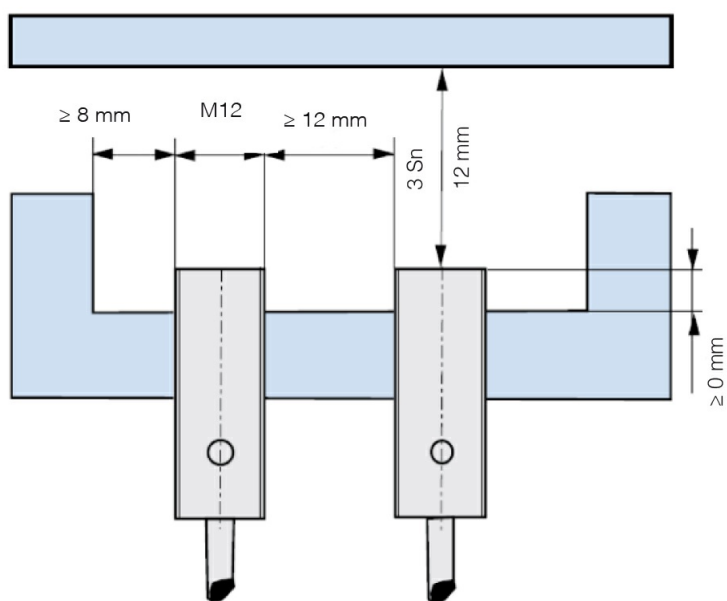
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR

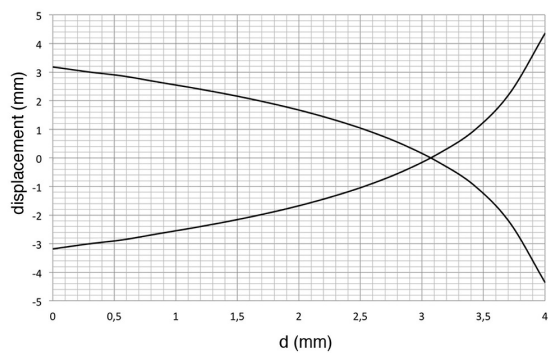


INSTALLATION



RESPONSE CURVES

Parallel offset



Datasensing S.r.l.

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

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