

AT1/0P-4H

cylindrical inductive

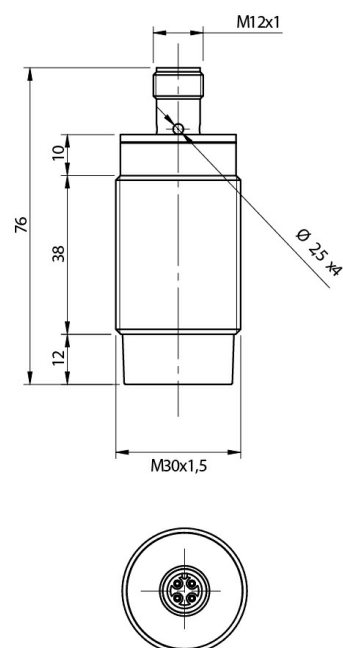


Micro Detectors

Italian Sensors Technology



Indicative image



HM 2004



Detection properties

Nominal sensing distance	20mm
Operanting distance	0...16,2mm
Standard target	60x60mm FE360
Correction Factor	rame: 0,45 / alluminio: 0,50 / ottone: 0,55 / acciaio INOX: 0,75
Thermal drift of Sr	< 10%
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	PNP
Output Function	NO + NC
Switching frequency	200Hz

Electrical data

Operating Voltage	10 - 30Vdc
No-Load supply current	≤ 20mA
Load current	≤ 400mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1V @400mA
Max ripple content	≤10%
LED indicators	LED giallo stato dell'uscita
Time delay before availability	100ms
Short-circuit protection	Si
Reverse Polarity Protection	Si
Protection against inductive loads	Si

Mechanical data

Mounting	Non Schermato
Dimensions	M30 x 1,5 / L = 76mm
Weight	150g
Housing Material	Nickel-plated brass
Connections	Connettore M12
Active Head Material	PBT
Tightening torque	50Nm
Operating temperature	-25°C...+70°C

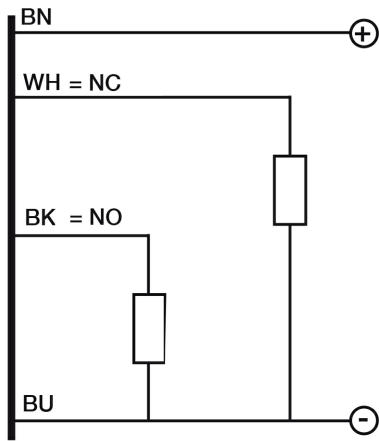
Test/Approvals

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

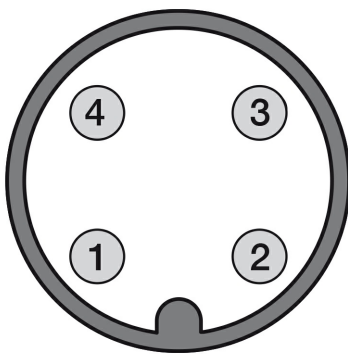
Accessories

Supplied Accessories	2 ghiere M30x1,5
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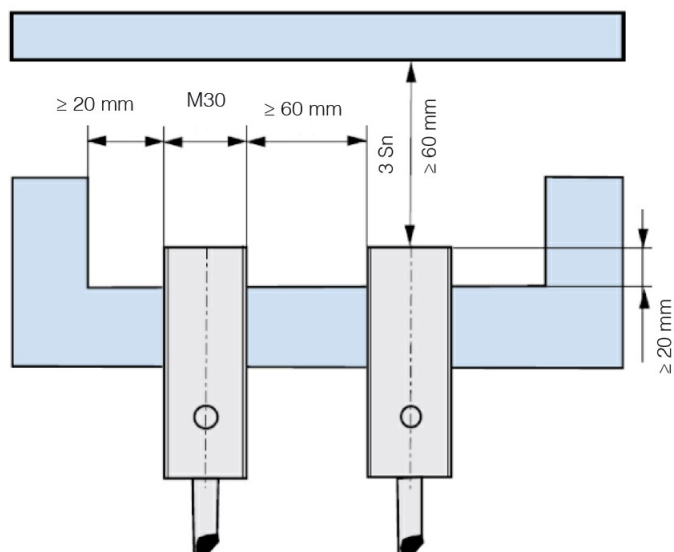
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



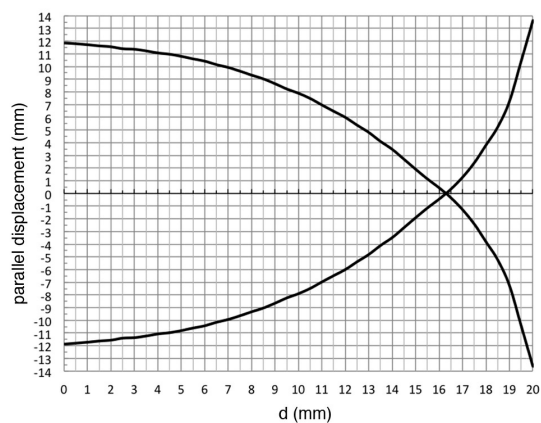
INSTALLATION



⁽¹⁾ $\geq 9 \text{ mm}$ for non magnetic materials

RESPONSE CURVES

Disassamento Parallelo



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