

AK1/BP-3H

cylindrical inductive

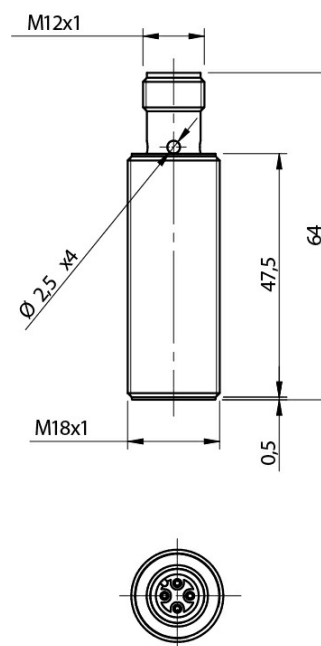


Micro Detectors

Italian Sensors Technology



Indicative image



HM 2004



Detection properties

Nominal sensing distance	8mm
Operating distance	0...6,5mm
Standard target	24x24mm FE360
Correction Factor	rame: 0,40 / alluminio: 0,45 / ottone: 0,50 / 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	300Hz

Electrical data

Operating Voltage	10 - 30Vdc
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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	50ms
Short-circuit protection	Si
Reverse Polarity Protection	Si
Protection against inductive loads	Si

Mechanical data

Mounting	Schermato
Dimensions	M18 x 1 / L = 64mm
Weight	55g
Housing Material	Nickel-plated brass
Connections	Connettore M12
Active Head Material	PBT
Tightening torque	25Nm
Operating temperature	-25°C...+70°C

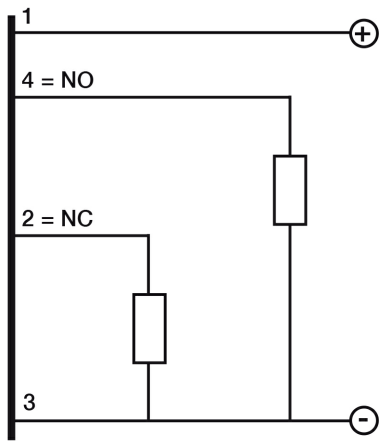
Test/Approvals

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

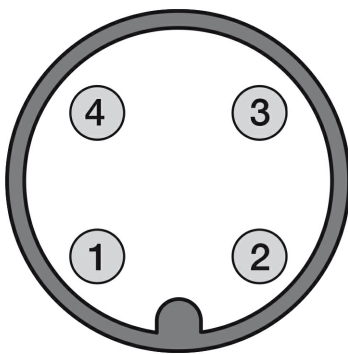
Accessories

Supplied Accessories	2 ghiera M18x1
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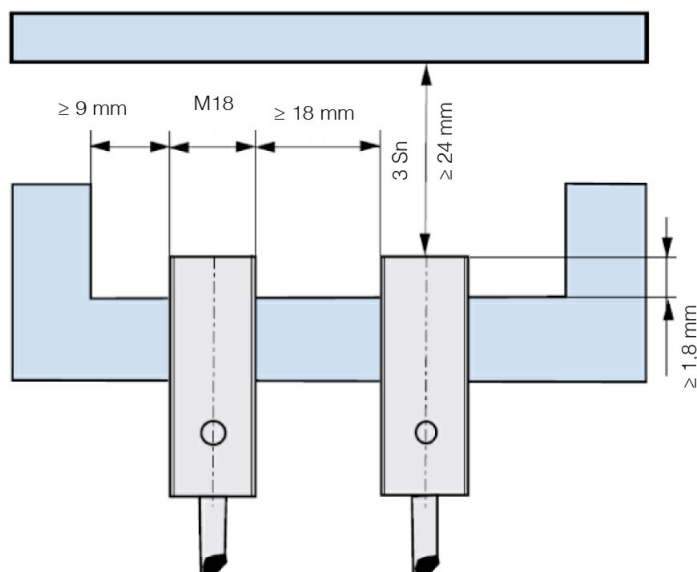
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR

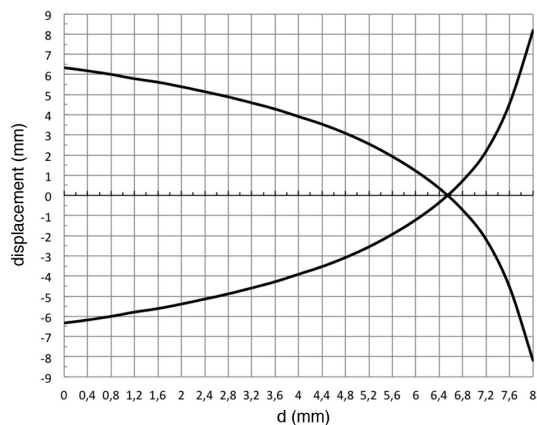


INSTALLATION



RESPONSE CURVES

Disassamento Parallelo



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