

IL1/AP-4F

cubic inductive

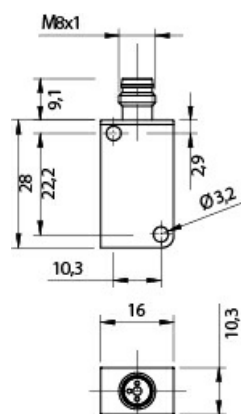


Micro Detectors

Italian Sensors Technology



Indicative image



HM 2004



Detection properties

Nominal sensing distance	6mm
Operanting distance	0...4,8mm
Standard target	18x18mm FE360
Correction Factor	copper: 0,41 / aluminium: 0,50 / brass: 0,55 / stainless steel: 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
Switching frequency	3kHz

Electrical data

Operating Voltage	10 - 30Vdc
No-Load supply current	≤ 10mA
Load current	≤ 300mA
Leakage current	≤ 0,12mA
Output voltage drop	≤ 1,5V @100mA
Max ripple content	≤10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 100ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Protection against inductive loads	Yes

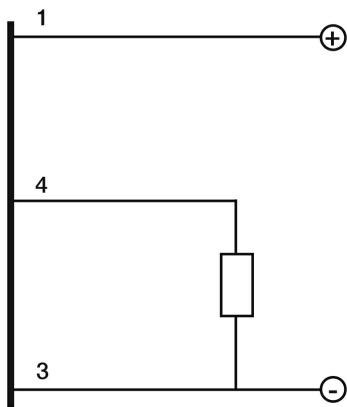
Mechanical data

Mounting	Shielded
Dimensions	37,1 x 16 x 10,3
Weight	7g
Housing Material	PA
Connections	M8 Plug
Active Head Material	PA
Operating temperature	-25°C...+70°C

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

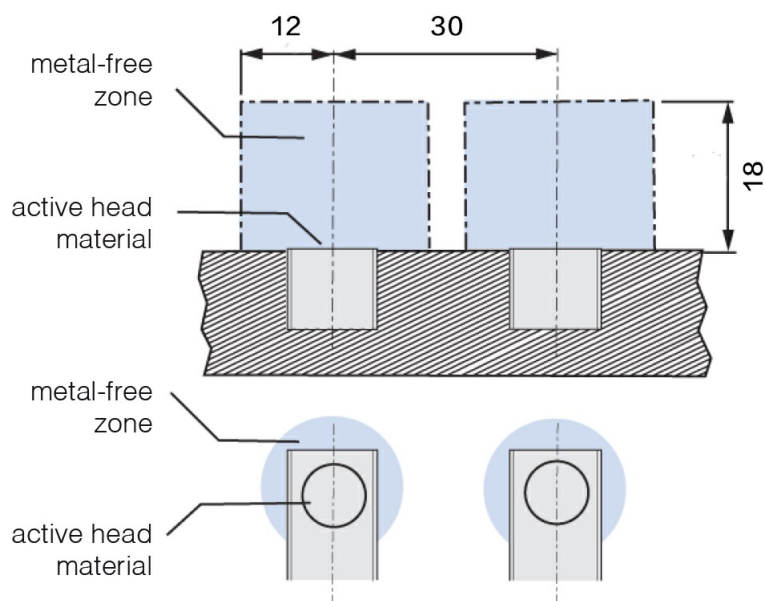
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR

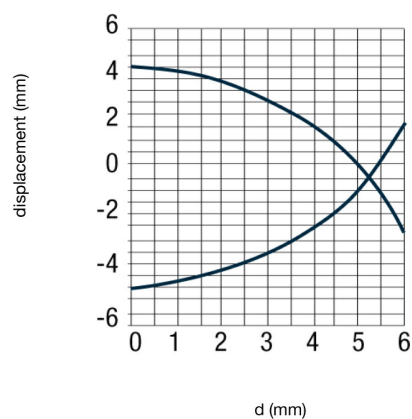


INSTALLATION



RESPONSE CURVES

Disassamento Parallelo



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