

# IL1/AP-3F

cubic inductive

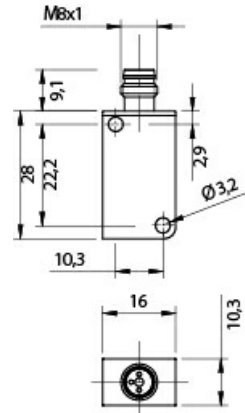


Micro Detectors

Italian Sensors Technology



Indicative image



## Detection properties

Nominal sensing distance	3mm
Operating distance	0...2,4mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,25 / aluminium: 0,28 / brass: 0,37 / stainless steel: 0,63
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

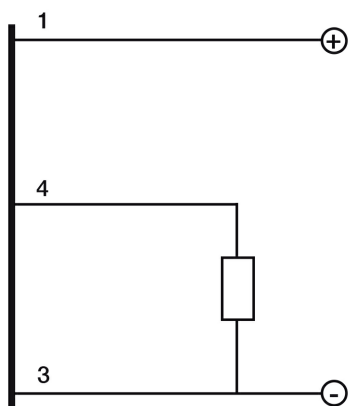
## Mechanical data

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

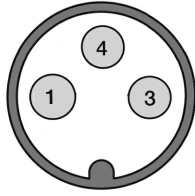
## Test/Approvals

Approvals	CE
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP 67 (EN60529)

# ELECTRICAL DIAGRAMS OF THE CONNECTIONS



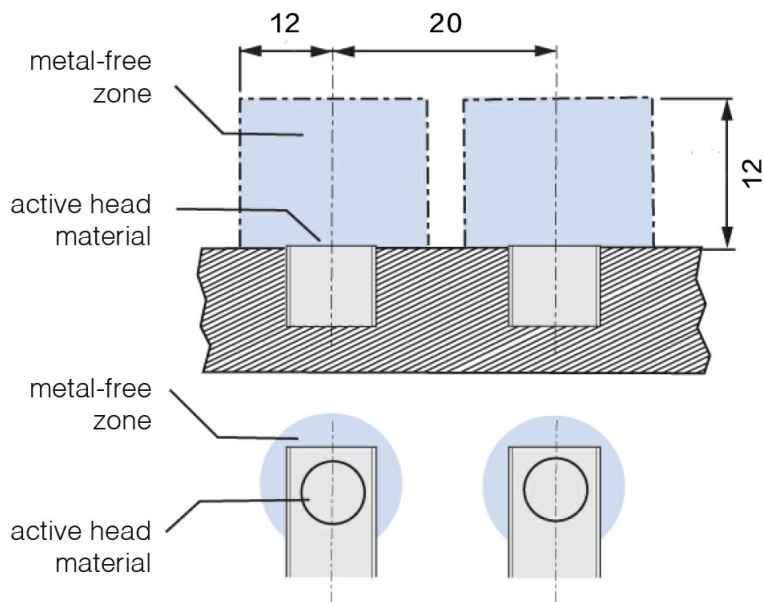
# CONNECTOR



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## INSTALLATION

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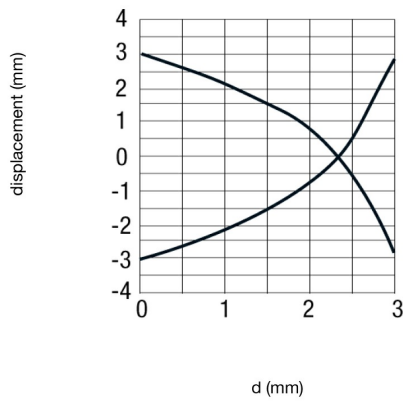


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## RESPONSE CURVES

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Disassamento Parallelo



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