



Analogue

AM1/D2-5H

Ind.M12,0-10V+4-20mA,M12 Plug,Sch-LD

OVERVIEW



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0...6mm
Operanting distance	0...6mm
Standard target	18x18mm FE360
Thermal drift of Sr	±5% (0...+70°C); ±10% (-25°C...0°C)
Repeat Accuracy	0,3mm (UB 20...30Vcc/Vdc Ta=23°C ±5°C)
Resolution	≤1µm

Application

Description	M12 standard no-flush mount
Functions	Proximity

Outputs

Output type	Analogue
Output Function	Analogue
Voltage Analogue Output	1 x 0...10V
Current Analogue Output	1 x 4...20mA

Electrical data

Operating Voltage	19.2...28.8 Vdc
No-Load supply current	$\leq 12\text{mA}$
Load current	$\leq 10\text{mA}$
Max ripple content	$\leq 20\%$
Time delay before availability	$\leq 50\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Max output current	$4\text{mA} \pm 0, \leq 8\text{mA} (23^\circ\text{C})$ $20\text{mA} \pm 0, \leq 8\text{mA} (23^\circ\text{C})$
Impulsive Overvoltage Protection	Yes
Maximum capacitance load	$500\Omega (U_B = 15\text{V}) / 1\text{k}\Omega (U_B = 30\text{V})$
Output voltage	$0\text{V} - 0 + 0,4\text{V} (23^\circ\text{C}) + 5,2\text{V} \pm 0,4\text{V} (23^\circ\text{C}) + 10\text{V} \pm 0,4\text{V} (23^\circ\text{C})$

Mechanical data

Dimensions M12 x 1 / L = 60mm

Mounting Partially Shielded

Material Nickel-plated brass

Housing material Nickel-plated brass

Weight 33g

Connections M12 Plug

Active Head Material PBT

Tightening torque 10Nm

Operating temperature -25°C...+70°C

Diameter/Dimension M12

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

Accessories

Supplied Accessories 2 nuts M12x1

Generical Data

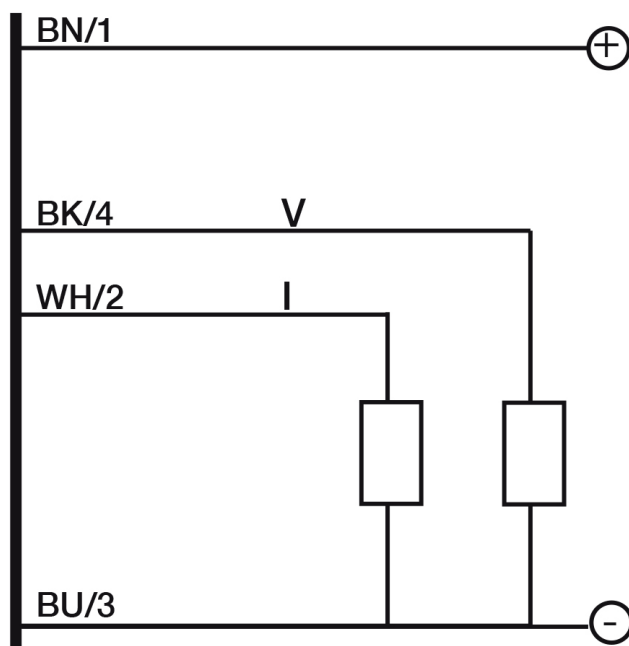
Dimensions M12 x 1 / L = 60mm

Operating Temperature -25°C...+70°C

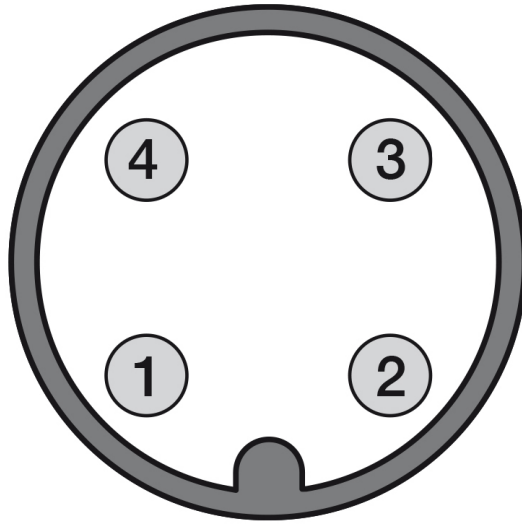
Mechanical Protection IP67

CONNECTIONS

Electrical diagram



Connector

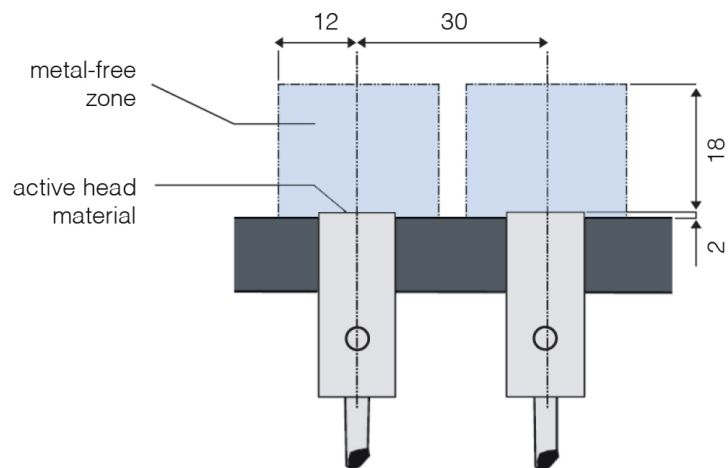


OTHERS

Dimensions

Image:

Installation



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