

Analogue

AK6/D2-5A

Ind.M18,0-10V+4-20mA,Cable,Sch-LD

OVERVIEW

CE

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0…10mm
Operanting distance	0…10mm
Standard target	30x30mm FE360
Thermal drift of Sr	≤ 10%
Repeat Accuracy	0,3mm (UB 20...30Vcc/Vdc Ta=23°C ±5°C)
Resolution	≤2µm

Application

Description	M18 short case 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	10...30Vdc
No-Load supply current	≤ 12mA
Load current	≤ 10mA
Max ripple content	≤ 20%
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Max output current	4mA ± 0,≤ 8mA (23°C) 20mA ± 0,≤ 8mA (23°C)
Impulsive Overvoltage Protection	Yes
Maximum capacitance load	500Ω (UB = 15V) / 1kΩ (UB = 30V)
Output voltage	0V - 0 + 0,4V (23°C) +5,2V ± 0,4V (23°C) +10V ± 0,4V (23°C)

Mechanical data

Dimensions	M18 x 1 / L = 36mm
Mounting	Partially Shielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Weight	116g
Connections	2m PVC Cable
Active Head Material	PBT
Tightening torque	25Nm
Operating temperature	-25°C…+70°C
Diameter/Dimension	M18

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

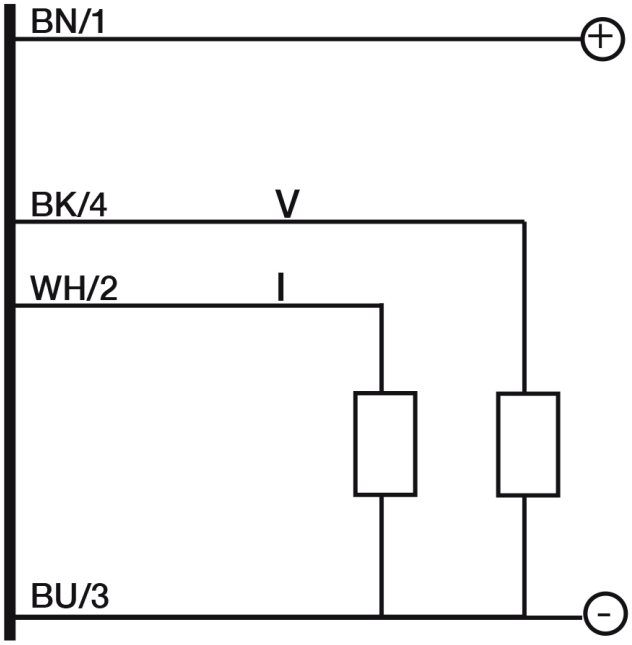
Supplied Accessories	2 nuts M18x1

Generical Data

Dimensions	M18 x 1 / L = 36mm
Operating Temperature	-25°C…+70°C
Mechanical Protection	IP67

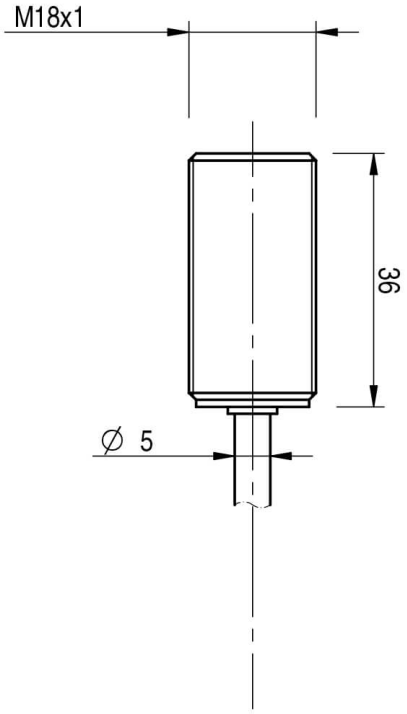
CONNECTIONS

Eletrical diagram

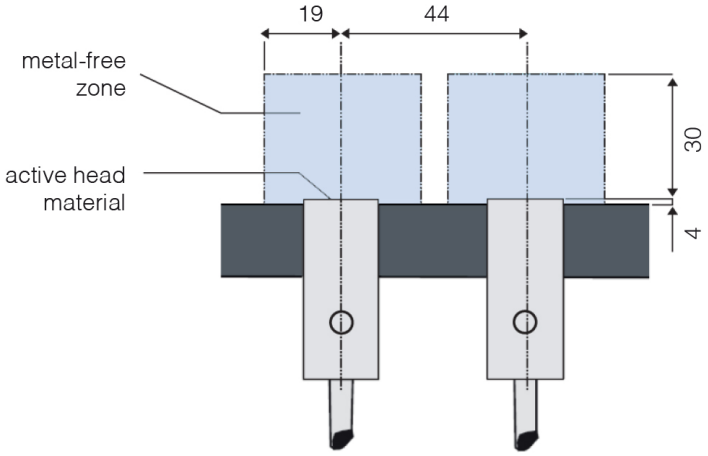


OTHERS

Dimensions



Installation



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