

Analogue

AE1/D1-7A

Ind.M8,0-10V,Cable,Sch-LD

OVERVIEW

CE

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0…4mm
Operanting distance	0…4mm
Standard target	12x12mm 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	M8 standard no-flush mount
Functions	Proximity

Outputs

Output type	Analogue
Output Function	Analogue
Voltage Analogue Output	1 x 0...10V

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 10mA
Load current	≤ 10mA
Max ripple content	≤ 20%
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Output voltage	0V - 0 + 0,4V (23°C) +5,2V ± 0,4V (23°C) +10V ± 0,4V (23°C)

Mechanical data

Dimensions	M8 x 1 / L = 45mm
Mounting	Partially Shielded

Material	Nickel-plated brass
Housing material	Nickel-plated brass
Weight	50g
Connections	2m PVC Cable
Active Head Material	PBT
Tightening torque	3Nm
Operating temperature	-25°C…+70°C
Diameter/Dimension	M8

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 M8x1

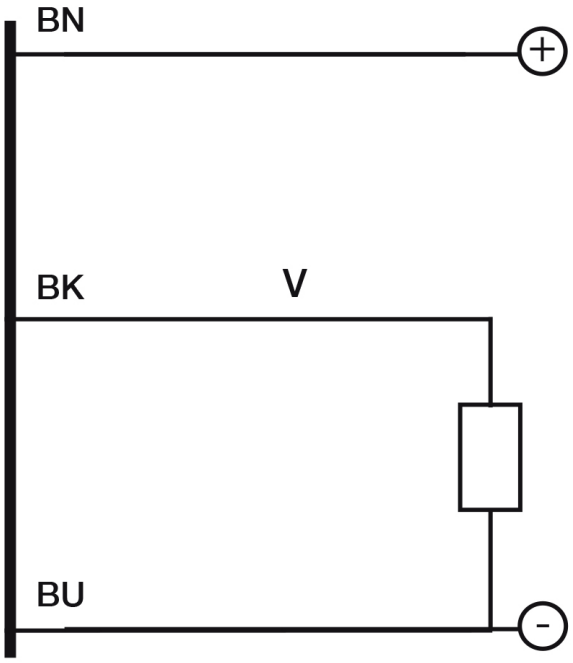
Generical Data

Dimensions	M8 x 1 / L = 45mm
Operating Temperature	-25°C…+70°C

Mechanical Protection	IP67

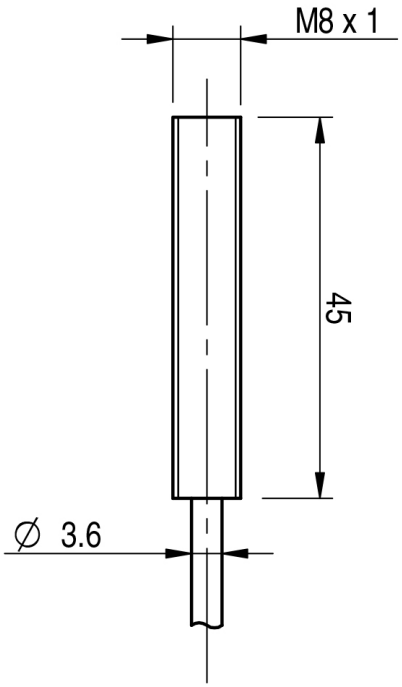
CONNECTIONS

Eletrical diagram

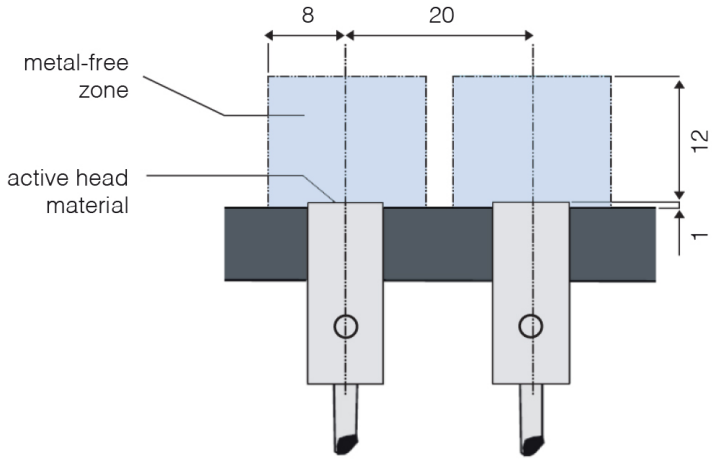


OTHERS

Dimensions



Installation



Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of printing
04/11/2026
10:47:32