

HE

HER/AP-3A

Photo.M8,PNP-NO,Cable,Receiver

M8 MINIATURIZED THROUGH-BEAM SENSORS DC

OVERVIEW

- M8 through beam models with high switching frequency
- LED status indicator for all models
- Complete protection against electrical damages
- IP67 protection degree
- Stainless steel housing
- Supply voltage 10...30 Vdc
- Approvals: CE

CE

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1m
Thermal drift of Sr	≤10%Sr
Repeat Accuracy	≤10%
Sensitivity adjustment	No

Application

Function Principle	Receiver
Emitter/Receiver	Receiver
Optic position	Axial

Outputs

Output type	PNP NO
Output Function	NO
Switching frequency	10Khz
Response time	50 µs

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤45mA
Load current	≤100mA
Leakage current	≤10µA
Output voltage drop	≤2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (status output)
Time delay before availability	≤200ms
Short-circuit protection	Yes

Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
Interference to external light	3.000 lux (incandescent lamp), 5.000 lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M8x0,75/L=49mm
Housing material	Stainless Stee AISI 303l / PA12 cable exit
Weight	40g
Connections	2m PVC cable
Active Head Material	PMMA
Operating temperature	- 25°C…+ 50° C (without freeze)
Diameter/Dimension	M8

Test/Approvals

Approvals	CE
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Accessories

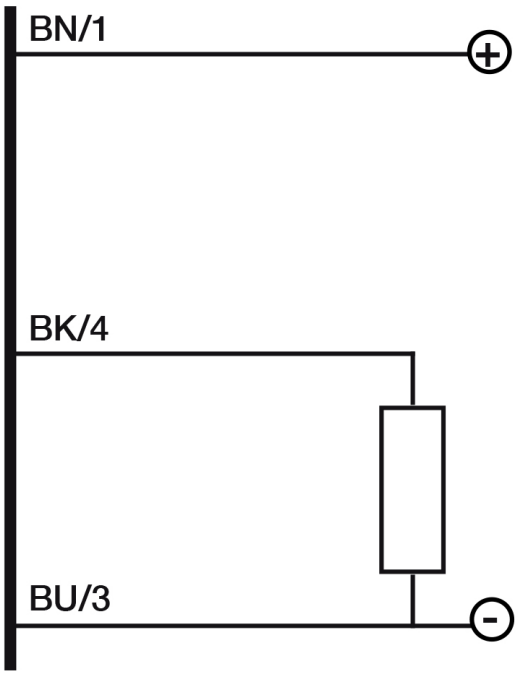
Supplied Accessories	nuts M8 x 0,75

Generical Data

Dimensions	M8x0,75/L=49mm
Operating Temperature	- 25°C…+ 70°C (Without freeze)
Mechanical Protection	IP67

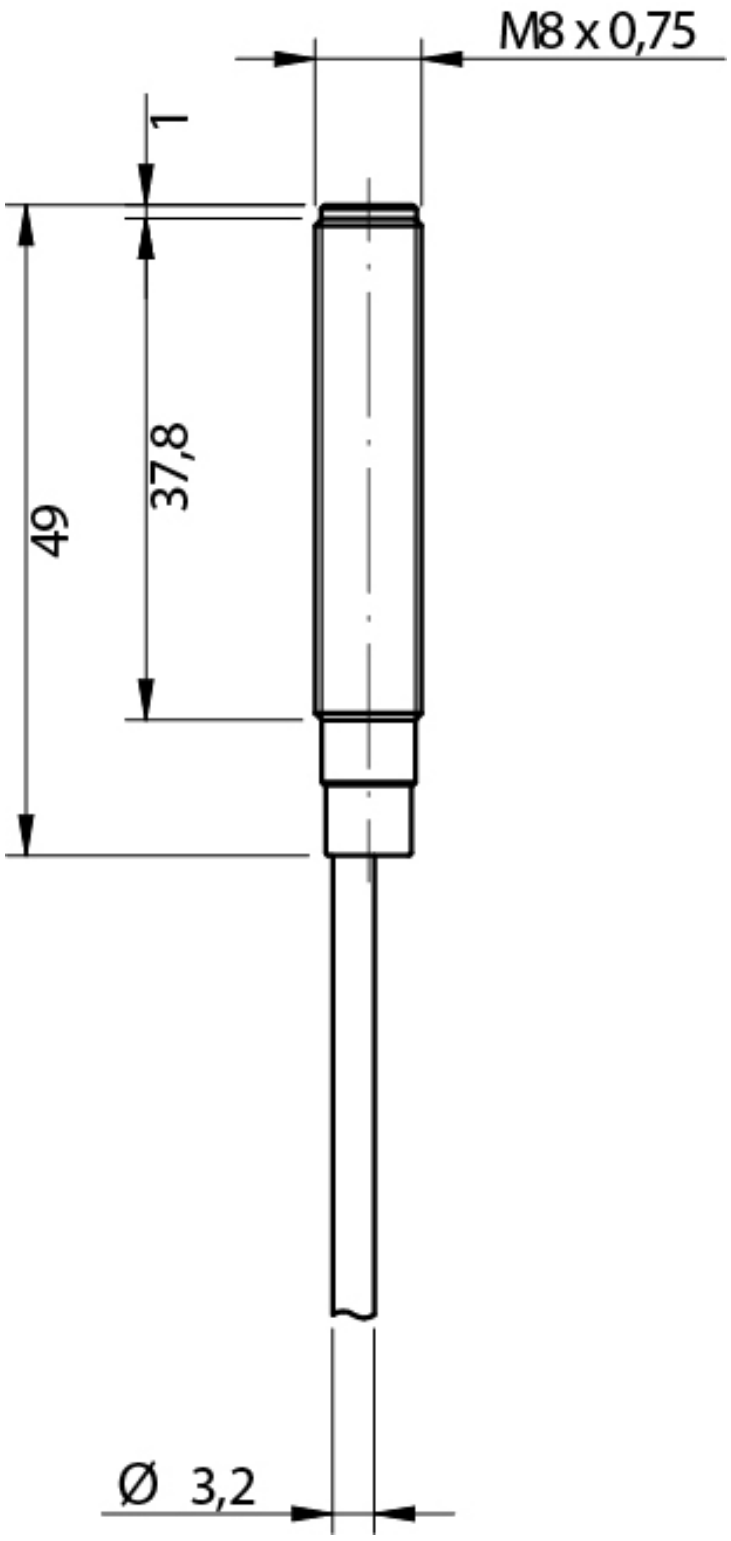
CONNECTIONS

Eletrical diagram

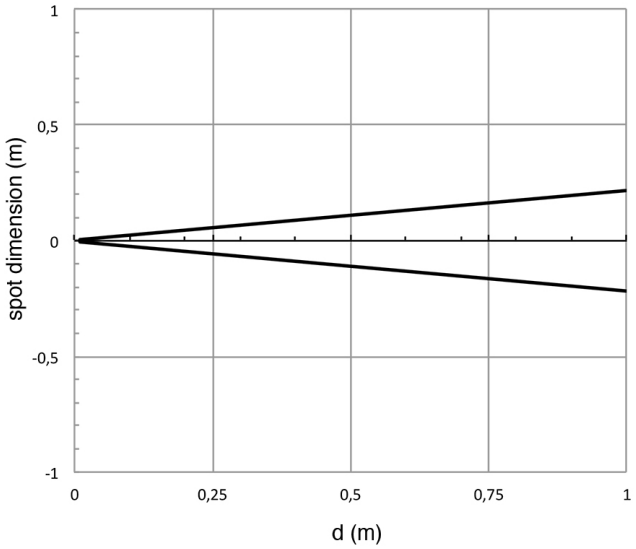


OTHERS

Dimensions



Response curves



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
24/11/2026
06:01:15