



FA

FAIH/X0-1A

Photo.M18,IR emiss.,Cable,Emitter
M18 PHOTOELECTRIC SENSORS DC

OVERVIEW

- Complete range of M18 sensors with 10...30 Vdc power supply
- Axial and radial optic with flat surface
- Retro-reflective models for transparent objects detection, with red emission IP67 protection degree
- Metallic or plastic housing
- Sensitivity adjustment available for all models
- Total protection against any type of electric damages
- Approvals: CE and cULus listed



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	20m
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Emitter with check
Emitter/Receiver	Emitter
Check Input	BK/2 connected to 0Vdc swithing off the emission
Optic position	Axial

Outputs

Output type	
Switching frequency	250Hz
Response time	2ms

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 25mA
Max ripple content	≤10%
LED indicators	Yellow (powerON)
Time delay before availability	≤200ms
Reverse Polarity Protection	Polarity inversal, Impulsive voltage
Emission	LED Infrared (880nm)

Mechanical data

Dimensions	M18 x 1/L=67,5mm
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Housing material	Nickel plated brass / PC cable exit
Weight	130g
Connections	2m PVC cable
Active Head Material	PC
Tightening torque	25Nm
Operating temperature	- 25°C...+ 70° C (Without freeze)
Diameter/Dimension	M18

Test/Approvals

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

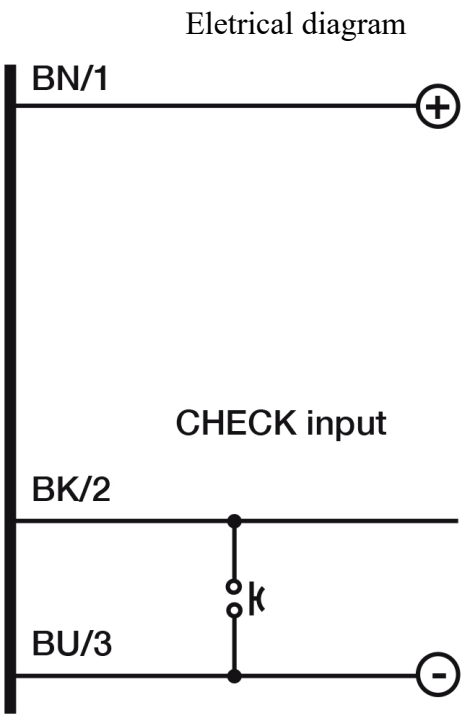
Accessories

Supplied Accessories	nuts M18 x 1
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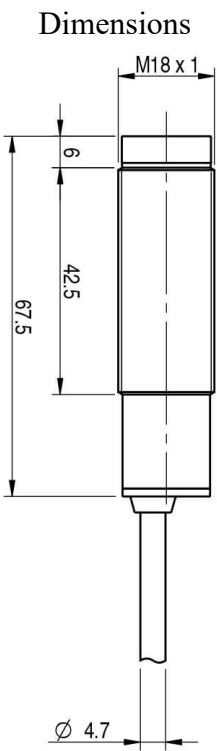
Generical Data

Dimensions	M18 x 1/L=67,5mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

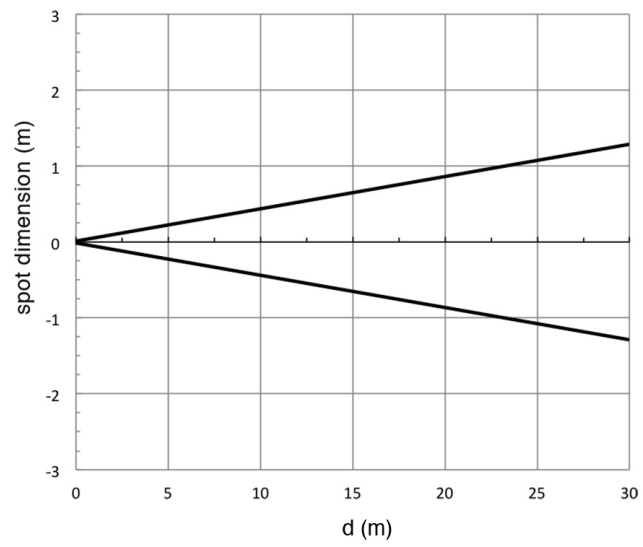
CONNECTIONS



OTHERS



Response curves



**Datasensing
S.r.l.**

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

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