

FA

FAIH/00-1E

Photo.M18,IR emiss.,M12 plug,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	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Emitter
Emitter/Receiver	Emitter
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, Inpulsive voltage
Emission	LED Infrared (880nm)

Mechanical data

Dimensions	M18 x 1 /L =81,6mm
Housing material	Nickel plated brass / PC plug

Weight	100g
Connections	M12 plug
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

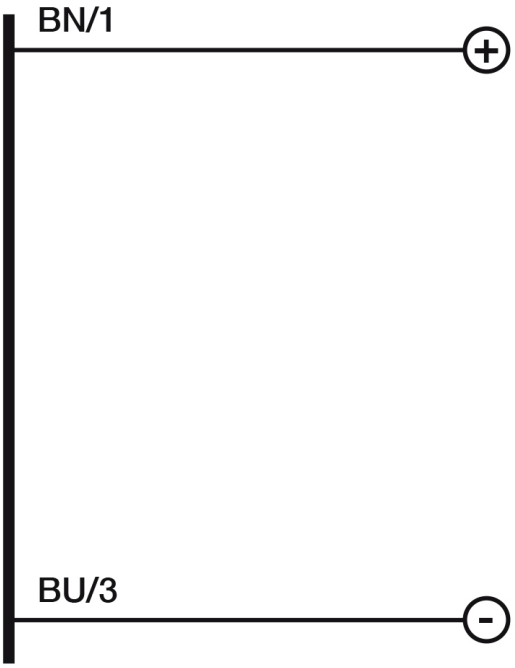
Supplied Accessories	nuts M18 x 1

Generical Data

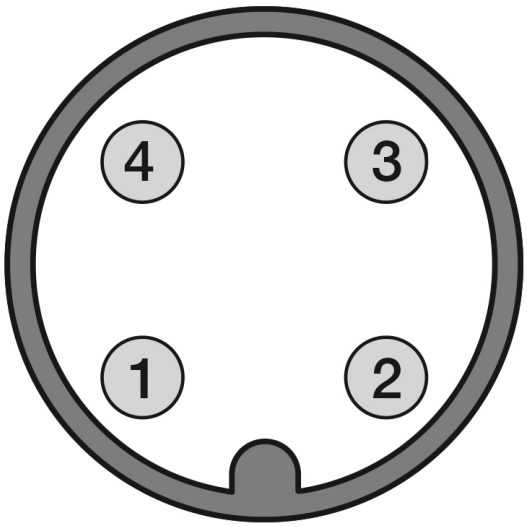
Dimensions	M18 x 1 /L =81,6mm
Operating Temperature	- 25°C…+ 70°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

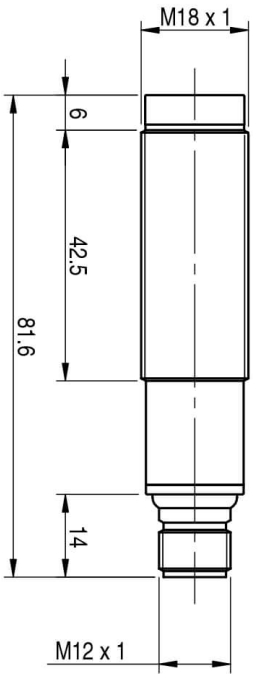


Connector

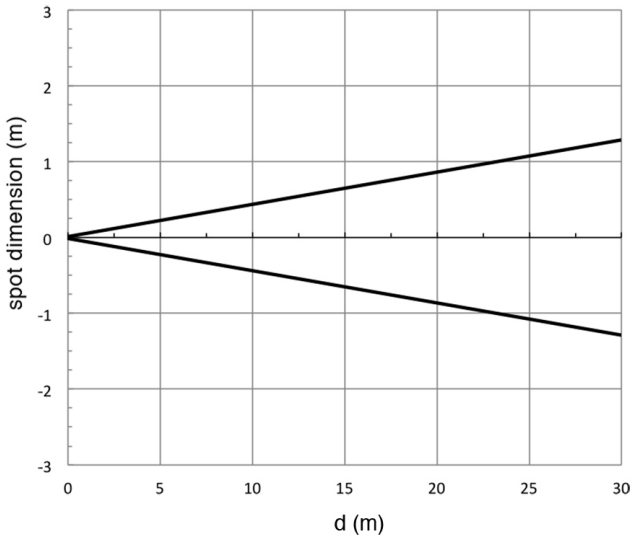


OTHERS

Dimensions



Response curves



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