



FAL

FALH/X0-1E

Photo.M18,Laser emiss.,M12 plug,Emitter
M18 PHOTOELECTRIC SENSORS DC LASER EMISSION

OVERVIEW

- Complete range of M18 sensors with 10...30 Vdc power supply
- Axial and radial optic with flat surface
- Visible red laser emission models
- 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	50m
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%

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

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 25mA
Max ripple content	≤10%
LED indicators	Green (power ON) yellow (Emiss. ON) yellow(Emiss. OFF)
Time delay before availability	≤200ms
Reverse Polarity Protection	Polarity inversal, Impulsive voltage
Emission	LASER Red (650nm) class1

Mechanical data

Dimensions	M18 x 1 /L =97,6mm
Housing material	Nickel plated brass / PC plug
Weight	100g
Connections	M12 plug

Active Head Material	Glass / PC
Tightening torque	25Nm
Operating temperature	- 15°C...+ 55° 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

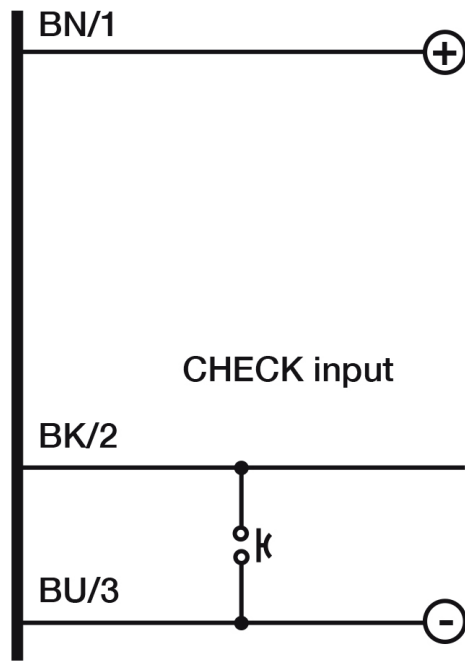
Supplied Accessories	nuts M18 x 1
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Generical Data

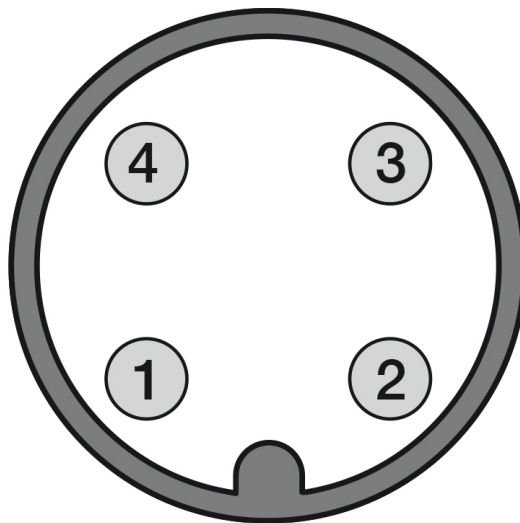
Dimensions	M18 x 1 /L =97,6mm
Operating Temperature	- 15°C...+ 55°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

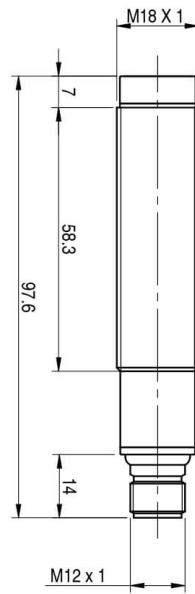


Connector

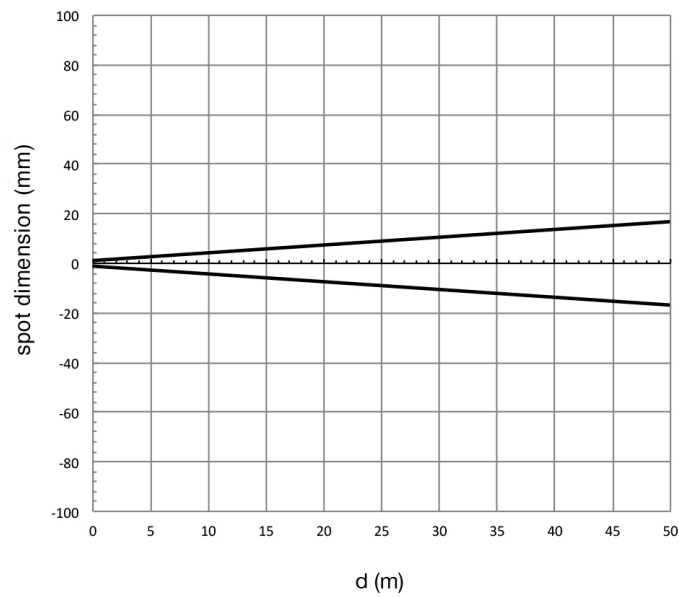


OTHERS

Dimensions



Response curves



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