

FQ

FQIH/00-1E

Photo.M18,IR emiss.,M12 plug,Emitter

M18 PHOTOELECTRIC SENSORS WITH SHORT BODY

OVERVIEW

- Wide range of models: direct diffuse, retro-reflective, polarized and fixed-focus
- Direct diffuse models with short and long sensing distance, polarized and through beam
- Nickel brass or plastic housing
- NO+NC complementary output
- P67 protection degree
- Complete protection against electrical damages
- Approvals: CE

CE

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	

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 =66,3mm
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
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Accessories

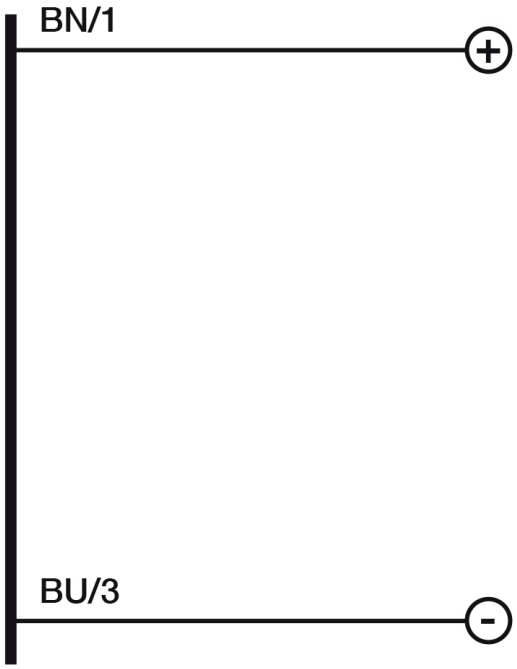
Supplied Accessories	nuts M18 x 1, screwdriver

Generical Data

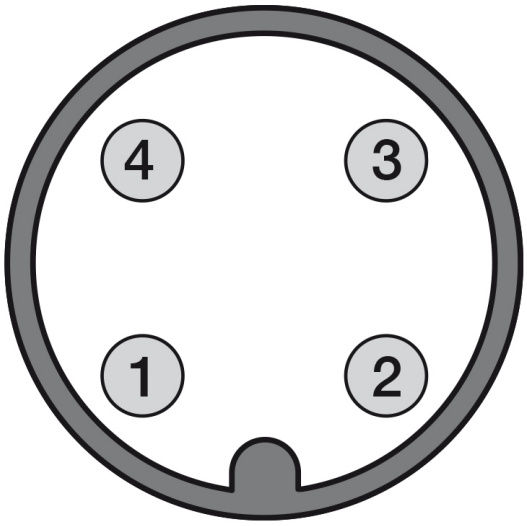
Dimensions	M18 x 1 /L =66,3mm
Operating Temperature	- 25°C…+ 70°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

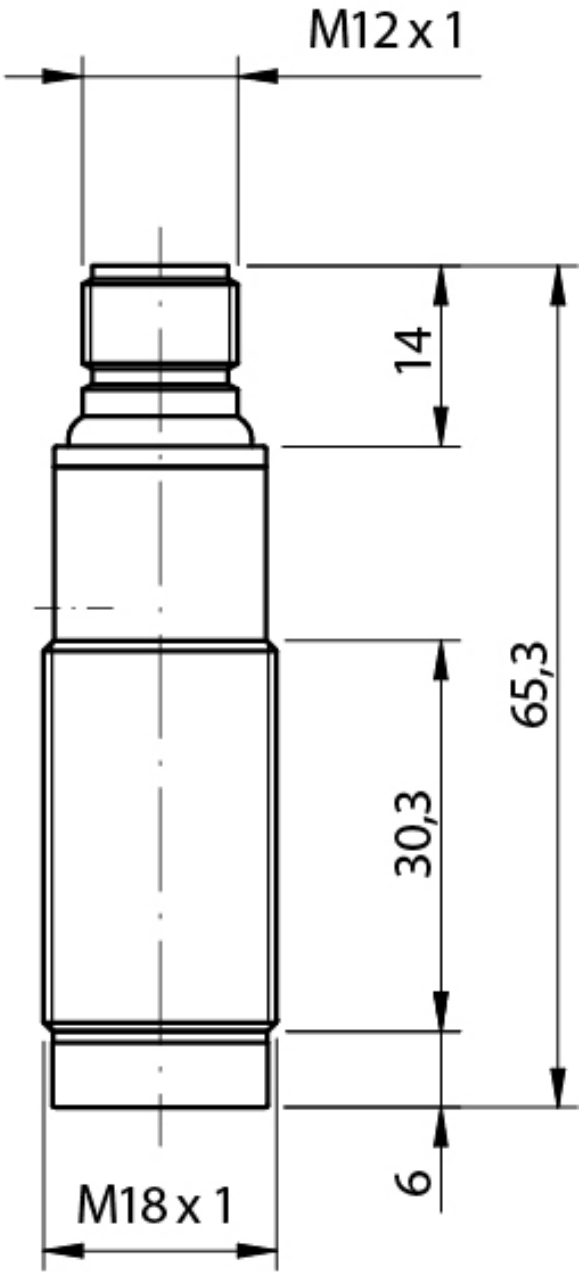


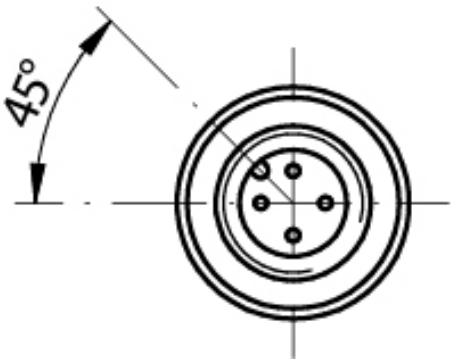
Connector



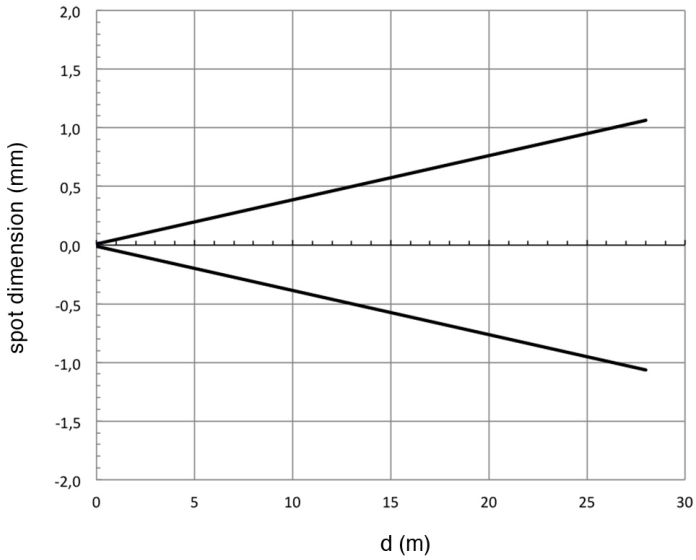
OTHERS

Dimensions





Response curves



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