SSF

SSF/0N-1E

Photo.M18,NPN-NO/NC,M12 plug,Fiber ampli

M18 PHOTOELECTRIC SENSORS FOR OPTICAL FIBRES

OVERVIEW

- Models with sensitivity adjustment by teach-in button
- With range of optical fibres are available
- LED status indicator for all versions
- Complete protection against electrical damages
- Approvals: CE and cULus listed

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	Depending on optical fibres used
Thermal drift of Sr	10 % Sr
Repeat Accuracy	5%
Sensitivity adjustment	Teach-in

Application

Function Principle	Optic fiber amplifier
Optic position	Axial

Outputs

Output type	NPN L/D Selectable
Output Function	L/D Selectable
Switching frequency	800Hz
Response time	625µs

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 20mA
Load current	≤100mA
Leakage current	≤ 10 µA
Output voltage drop	≤2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (output status)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red (660nm)

Interference to external light	3.000lux (incandescent lamp), 10.000lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M18 x 1 / L = 90mm
Housing material	Nickel brass / PC plug
Weight	70 g
Connections	M12 plug
Active Head Material	Depending on optical fibres
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
Degree of protection	IP67

Accessories

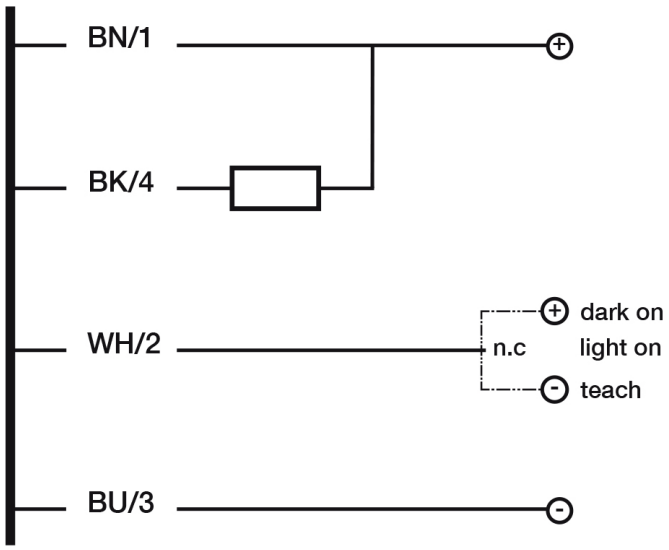
Supplied Accessories	nuts M18 x 1

Generical Data

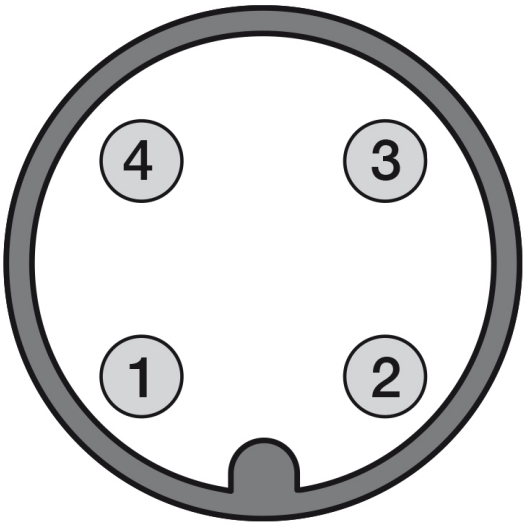
Dimensions	M18 x 1 / L = 90mm
Operating Temperature	- 25°C…+ 70°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

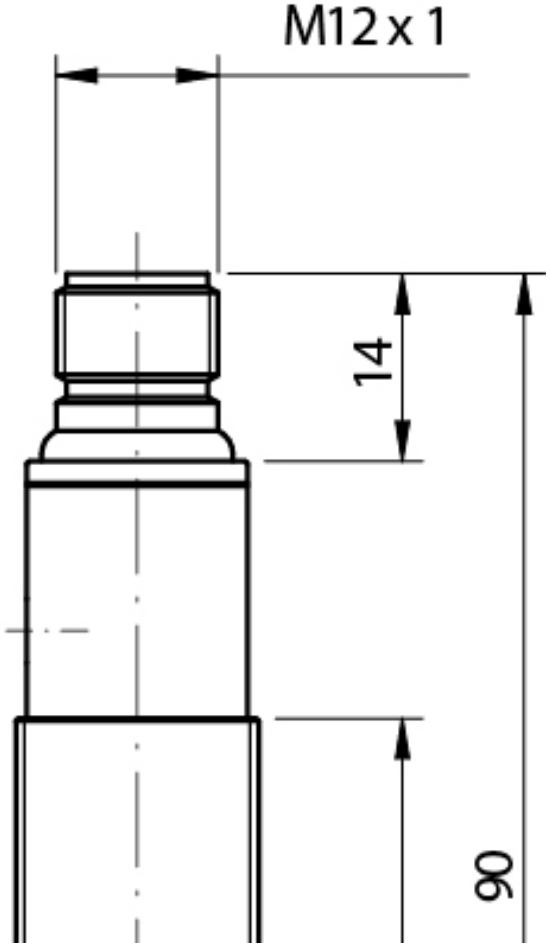


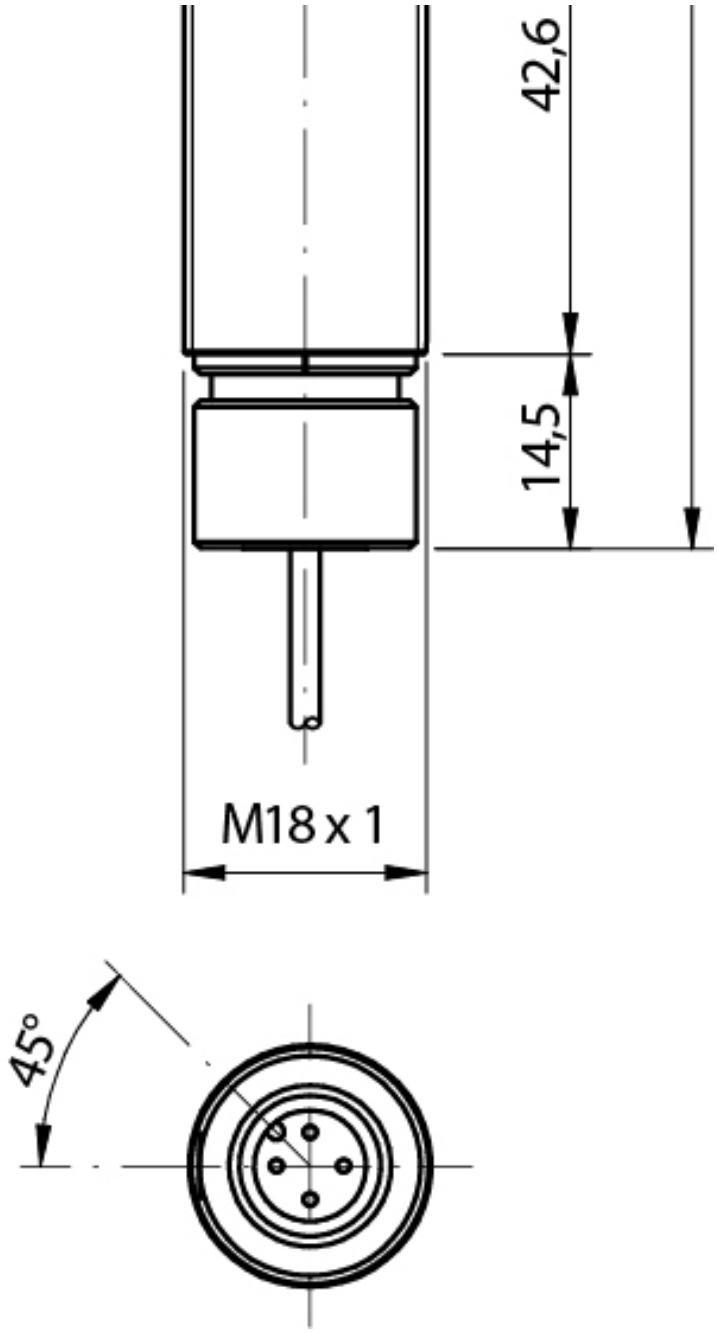
Connector



OTHERS

Dimensions





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