SSF/0N-1E

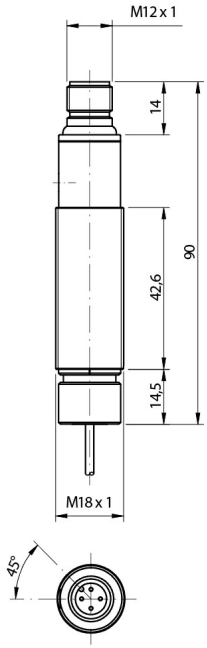
SSF



Indicative image

M18 PHOTOELECTRIC SENSORS FOR OPTICAL FIBRES

- 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



Detection properties

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

Application

Optic position	Axial

Outputs

Output type	NPN
Output Function	LO/DO
Switching frequency	800 Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 20mA
Load current	100 mA

Leakage current	≤ 10 µA
Output voltage drop	2V max
Max ripple content	≤ 10 %
LED indicators	Yellow
Time delay before availability	150 ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Red (660nm)
Interference to external light	3.000lux (incandescent lamp), 10.000lux (sunlight)

Mechanical data

Dimensions	M18 x 1 / L = 90mm
Weight	70 g
Housing Material	Nickel brass / PC plug
Connections	M12 Plug
Active Head Material	Depending on optical fibres
Tightening torque	25 Nm
Operating temperature	- 25°C...+ 70°C (without freeze)
Diameter/Dimension	M18

Test/Approvals

Approvals	CE UL
Degree of protection	IP67

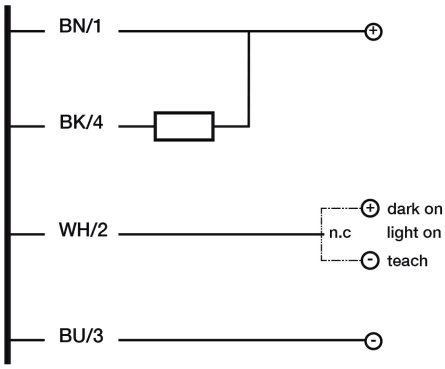
Accessories

Supplied Accessories	Metallic nut (2 x)

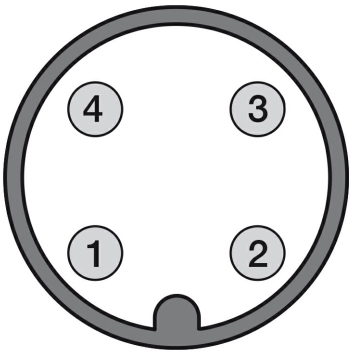
Generical Data

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

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



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