



# SSF

## SSF/0P-0E

Photo.M18,PNP-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

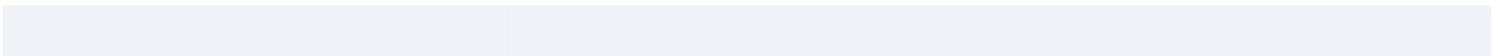


## TECHNICAL FEATURES

### 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
<b>Outputs</b>	
Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	800Hz
Response time	625 $\mu$ s
<b>Electrical data</b>	
Operating Voltage	10...30VDC
No-Load supply current	$\leq 20$ mA
Load current	$\leq 100$ mA
Leakage current	$\leq 10 \mu$ A
Output voltage drop	$\leq 2$ V@Iload=100mA
Max ripple content	$\leq 10$ %
LED indicators	Yellow (output status)
Time delay before availability	$\leq 200$ ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red (660nm)

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

Dimensions	M18 x 1 / L = 90mm
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Weight	30 g
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Housing Material	PBT / PC plug
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Connections	M12 plug
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Active Head Material	Depending on optical fibres
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Tightening torque	1Nm
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Operating temperature	- 25°C...+ 70°C (without freeze)
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Diameter/Dimension	M18
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#### Test/Approvals

Approvals	CE cULus
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EMC compatibility	EN 60947-5-2
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Degree of protection	IP67
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#### Accessories

Supplied Accessories	nuts M18 x 1
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#### Generical Data

Dimensions

M18 x 1 / L = 90mm

Operating Temperature

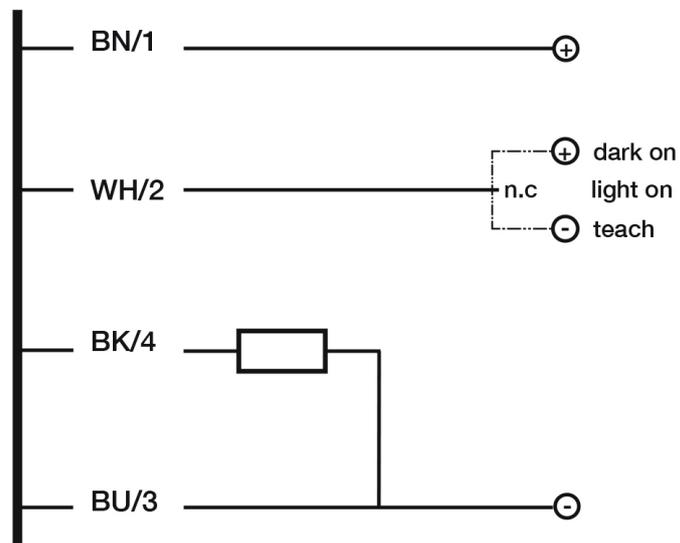
- 25°C...+ 70°C (Without freeze)

Mechanical Protection

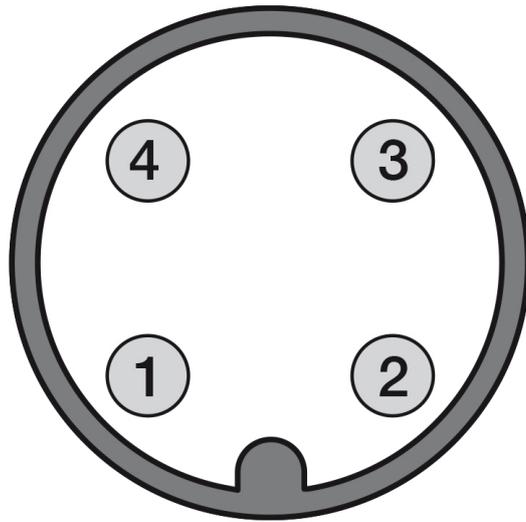
IP67

## CONNECTIONS

Electrical diagram

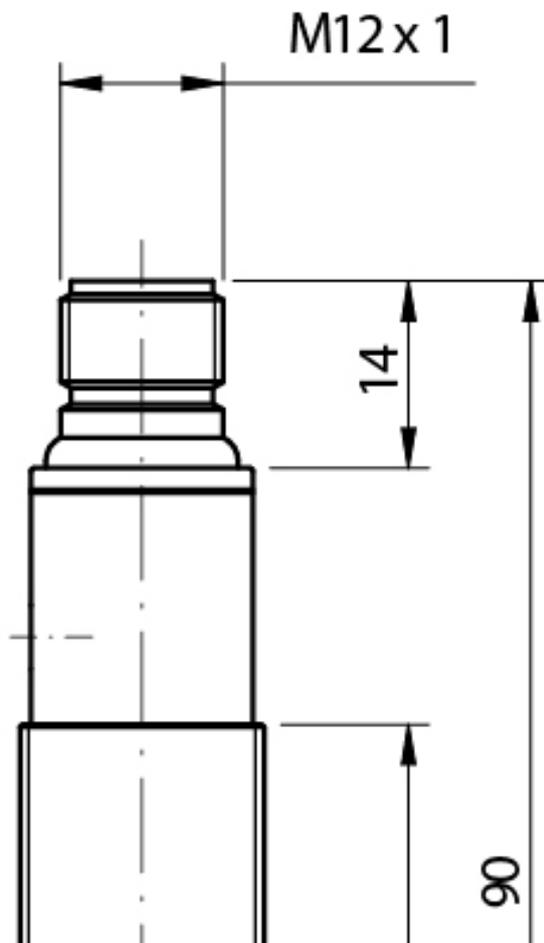


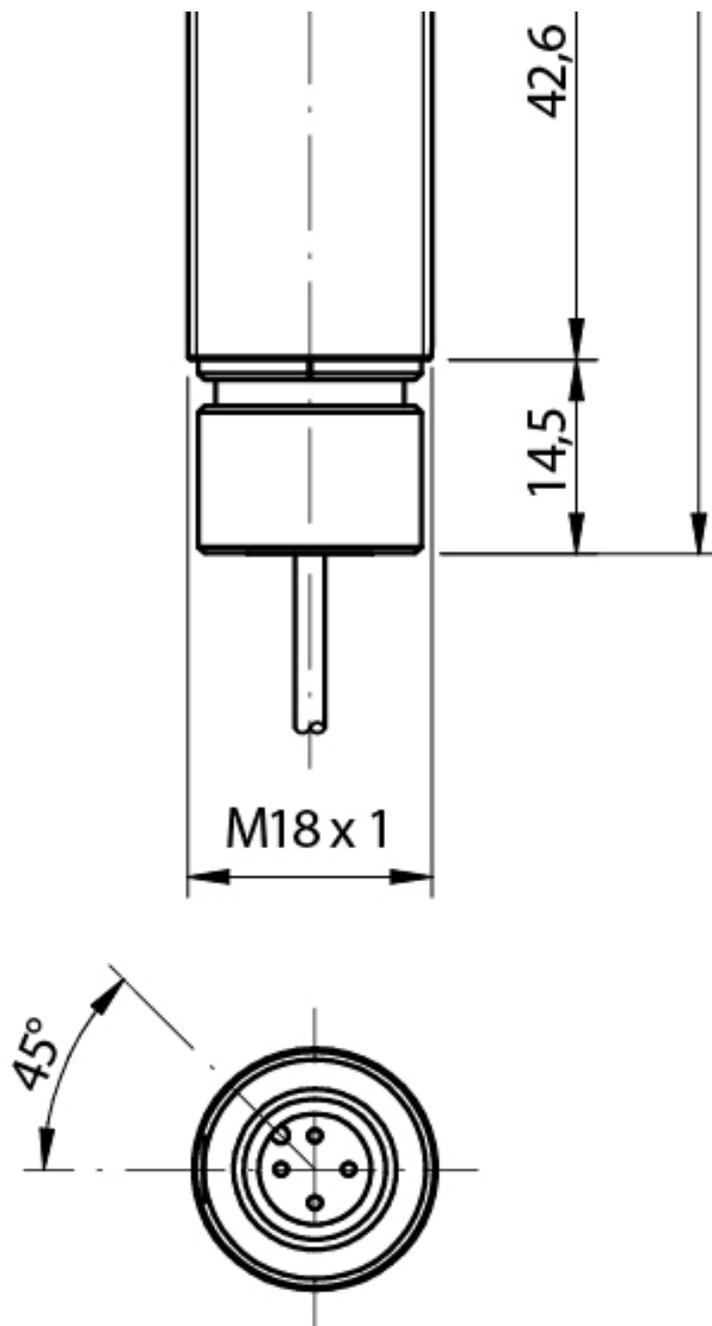
Connector



## OTHERS

Dimensions





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