

MSE/00-0E

cylindrical photosensors

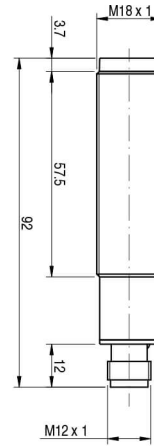
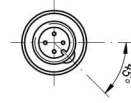


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	16m (MSR), 32m (MSD)
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	Decout NPN/PNP Selectable
Output Function	Decout NO/NC Configurabile

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤15mA
Max ripple content	10%
LED indicators	Yellow (power ON)

Time delay before availability	≤200ms
Short-circuit protection	Short circuit (autoreset), Overvoltage
Emission	Infrared (880 nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Impulsive Overvoltage Protection

Mechanical data

Dimensions	M18 x 1 / L =93mm
Weight	30g
Housing Material	PBT / PC plug
Connections	M12 plug
Active Head Material	PMMA
Tightening torque	1Nm
Operating temperature	25°C..+ 70° C (Without freeze)
Diameter/Dimension	M18

Test/Approvals

Approvals	CE, cURus
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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ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



RESPONSE CURVES

Dimensione Spot con ricevitore MSD++-++

Disassamento Parallelo con ricevitore MSD++-++

Eccesso di Guadagno con ricevitore MSD++-++

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