

DM

DME/00-1H

Photo.M12,IR emiss.,M12 plug,Emitter
M12 CYLINDRICAL PHOTOELECTRIC SENSORS

OVERVIEW

- Models diffuse reflection, polarized and through-beam
- Local and remote teach-in function
- Light-on / Dark-on selectable outputs
- IP67 protection degree
- Multifunction LED status indicator
- Complete protection against electrical damages
- Approvals: CE and cULus listed

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	4m
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Teach-in

Application

Function Principle	Emitter
Emitter/Receiver	Emitter
Optic position	Axial

Outputs

Output type	

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 30mA
Load current	
Leakage current	
Output voltage drop	
Max ripple content	≤10%
LED indicators	Yellow (Power ON)
Time delay before availability	≤150ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
Interference to external light	

Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M12x1/L=65,5mm
Housing material	Nickel plated brass
Weight	28g
Connections	M12 plug
Active Head Material	PMMA
Operating temperature	- 25°C…+ 70° C
Diameter/Dimension	M12

Test/Approvals

Approvals	CE cULus
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 M12 x 1

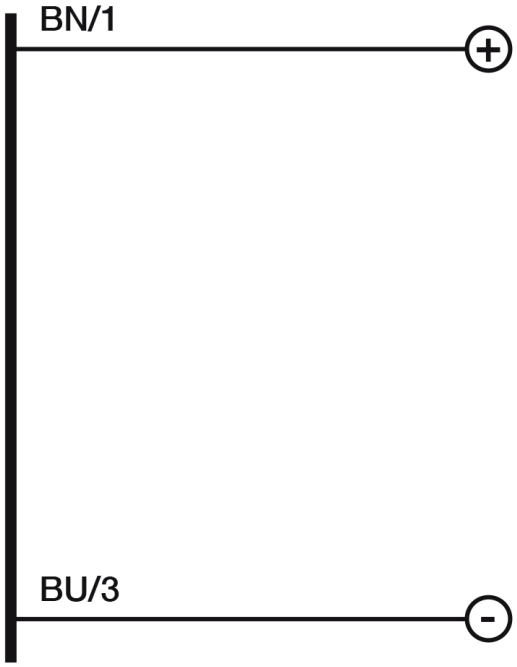
Generical Data

Dimensions	M12x1/L=65,5mm
Operating Temperature	- 25°C…+ 70°C (Without freeze)

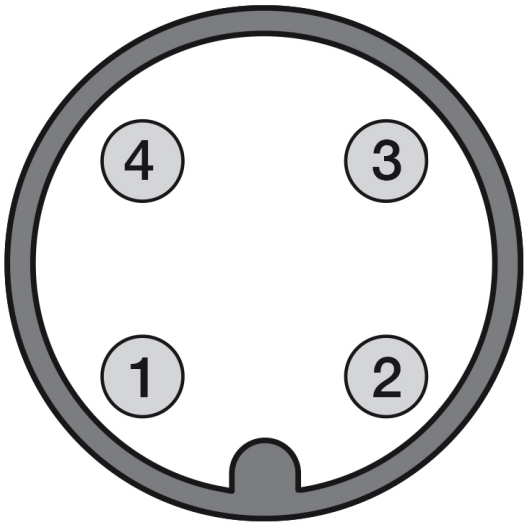
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

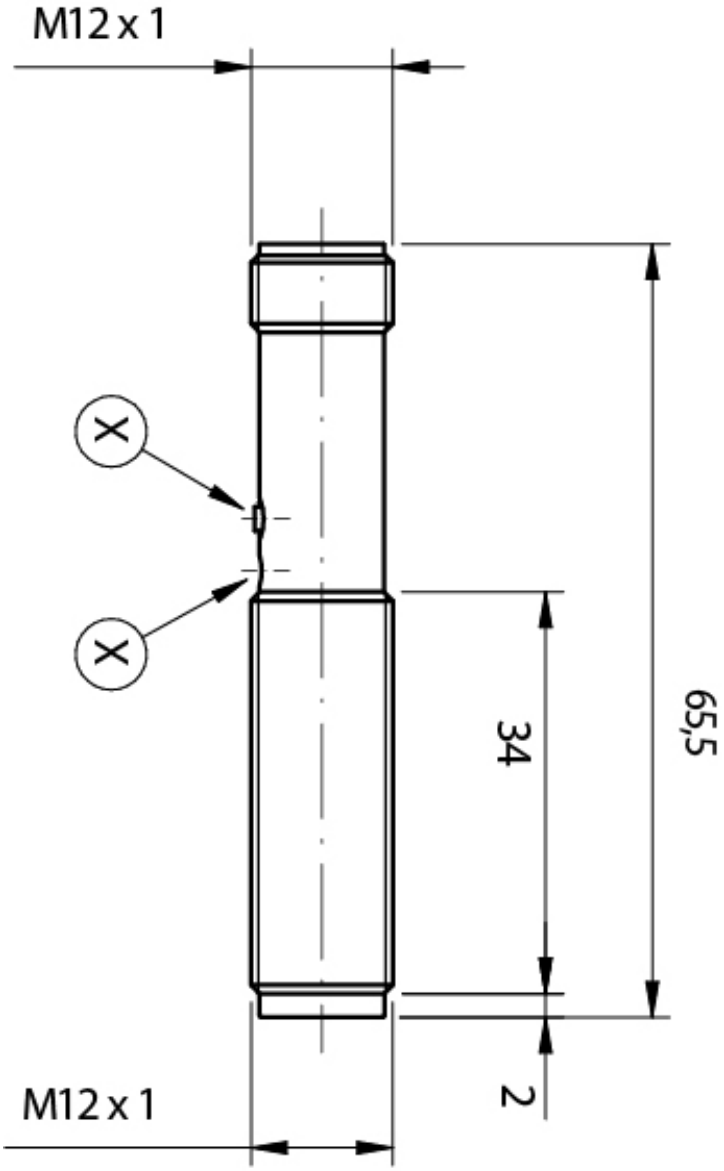


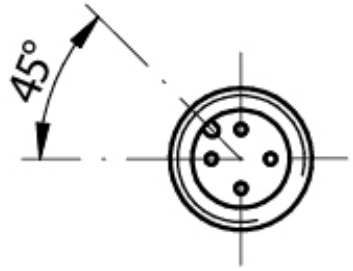
Connector



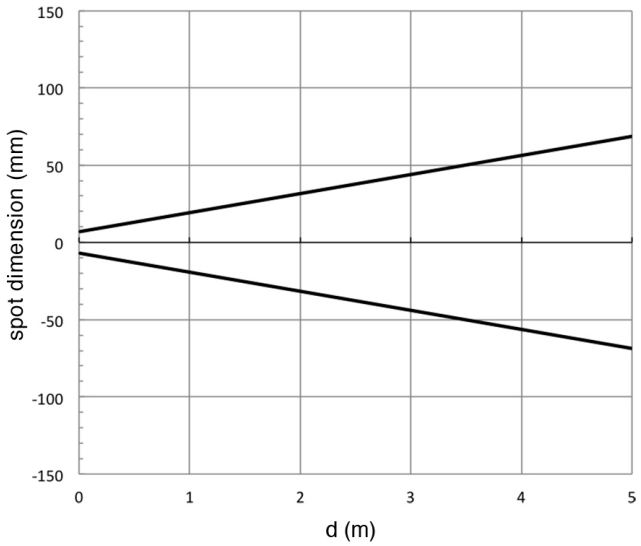
OTHERS

Dimensions





Response curves



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