



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	$\leq 10\%$ 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
----------------------	--------------

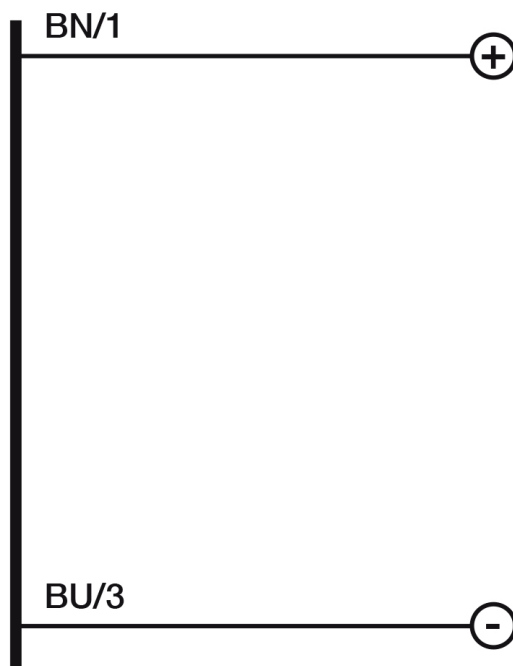
Generical Data

Dimensions	M12x1/L=65,5mm
------------	----------------

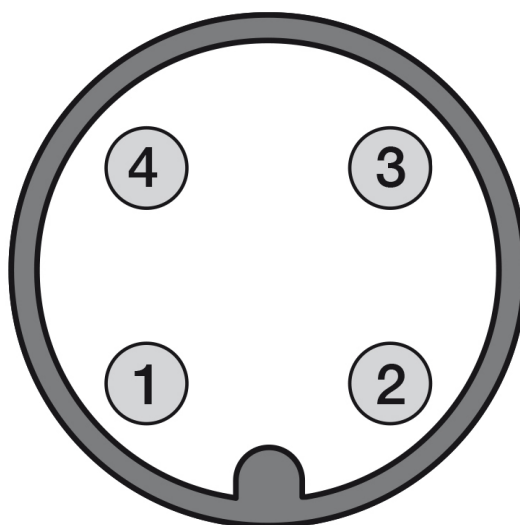
Operating Temperature	- 25°C...+ 70°C (Without freeze)
-----------------------	----------------------------------

CONNECTIONS

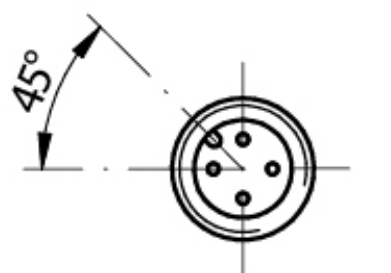
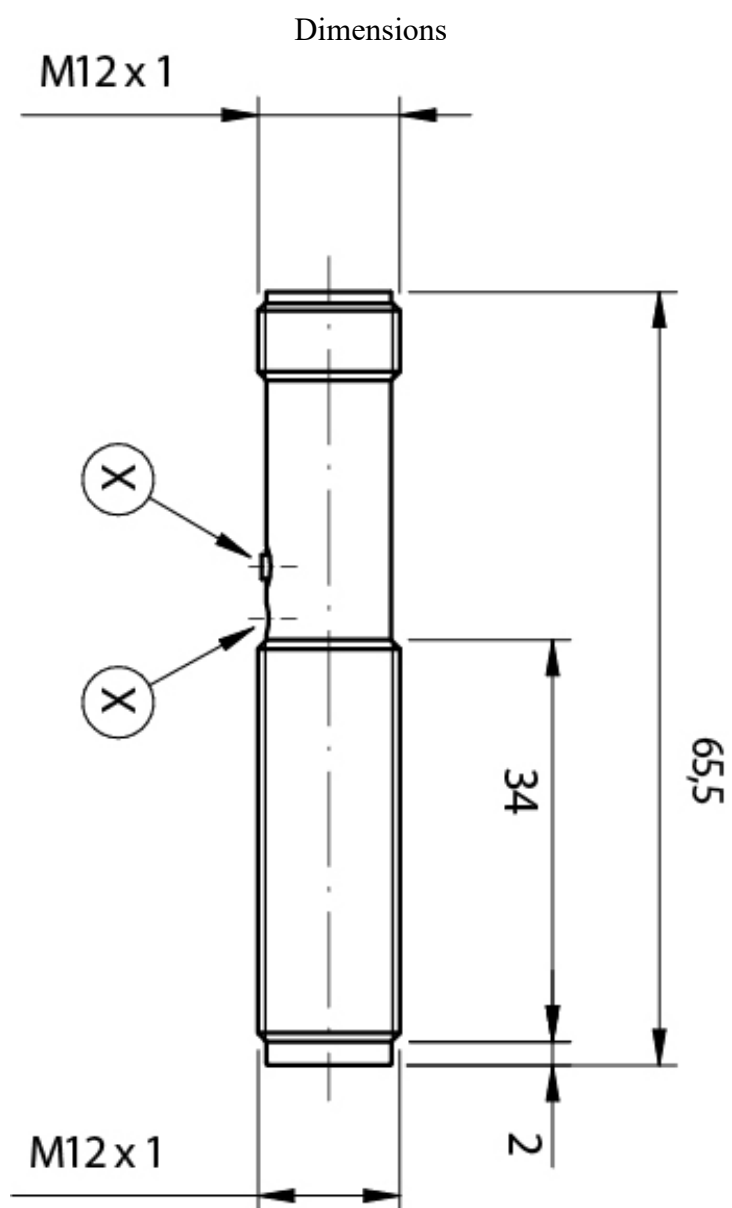
Electrical diagram



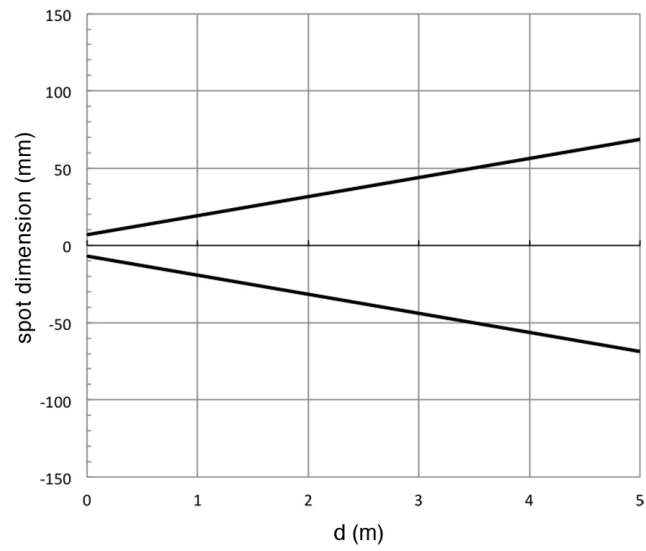
Connector



OTHERS



Response curves



**Datasensing
S.r.l.**

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

**date of
printing**
10/08/2026
02:42:01