



MS-MP

MSR/00-1A86

Photo.M18,NPN/PNP-NO/NC,Cable,Receiver

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	16m
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Receiver
Emitter/Receiver	Receiver
Optic position	Axial

Outputs

Output type	Decout NPN/PNP Selectable Decout NO/NC Selectable

Output Function	Decout NO/NC Selectable
Switching frequency	30Hz
Response time	16,66ms

Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 25mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Red (status output)
Time delay before availability	≤200ms
Short-circuit protection	Short circuit (autoreset), Overvoltage
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Impulsive Overvoltage Protection

Mechanical data	
Housing material	Nickel plated brass / PC cable exit
Connections	5m PVC cable
Active Head Material	PMMA

Tightening torque	25Nm
-------------------	------

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
-----------------------	--

Accessories

Supplied Accessories	nuts M18 x 1
----------------------	--------------

Generical Data

Dimensions	M18 x 1 /L =78,9mm
------------	--------------------

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

Mechanical Protection	IP67
-----------------------	------

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**
11/08/2026
01:13:22