



MS-MP

MSE/00-1A

Photo.M18,IR emiss.,Cable,Emitter
M18 DECOUT® DC OUTPUT

OVERVIEW

- Wide range of models: diffuse, retro-reflective, polarized, through-beam detection and background suppression
- Through-beam models with high sensing range
- Retro-reflective models with red visible polarized light
- Models with right angle optic (MP)
- Background suppression models with fixed distance
- Check function available for all through-beam models
- Complete protection against electrical damage



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	16m (MSR), 32m (MSD)
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Thermal drift of Sr	≤10% Sr
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Repeat Accuracy	5%
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Sensitivity adjustment	No
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Application	
Function Principle	Emitter
Emitter/Receiver	Emitter
Optic position	Axial
Outputs	
Output type	
Output Function	
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 15mA
Max ripple content	≤10%
LED indicators	Red (powerON)
Time delay before availability	≤200ms
Short-circuit protection	Short circuit (autoreset), Overvoltage
Emission	LED Infrared (880nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Impulsive Overvoltage Protection
Mechanical data	
Dimensions	M18 x 1 /L =78,9mm

Housing material	Nickel plated brass / PC cable exit
Weight	130g
Connections	2m PVC cable
Active Head Material	PMMA
Tightening torque	25Nm
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

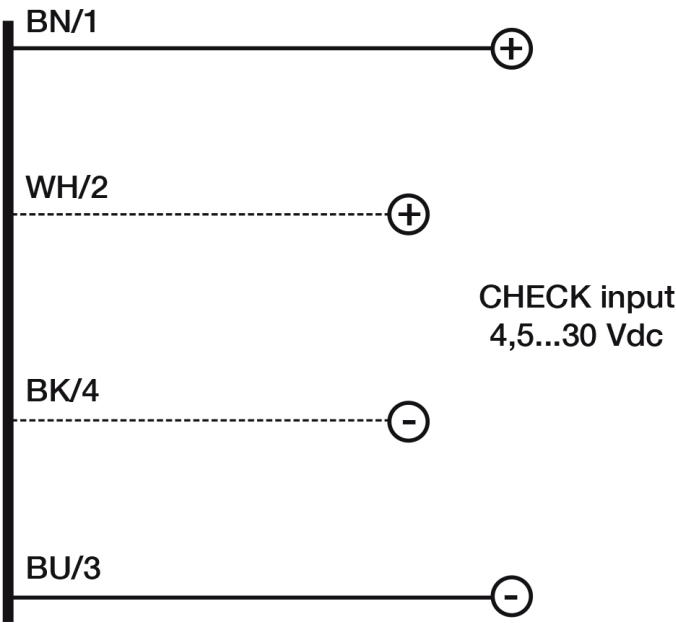
Supplied Accessories	nuts M18 x 1
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Generical Data

Dimensions	M18 x 1 /L =78,9mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

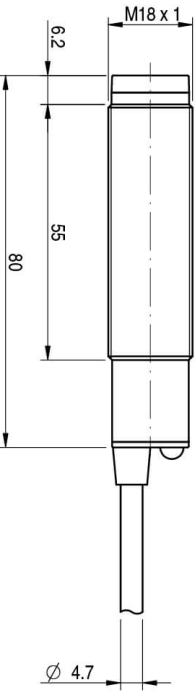
CONNECTIONS

Eletrical diagram

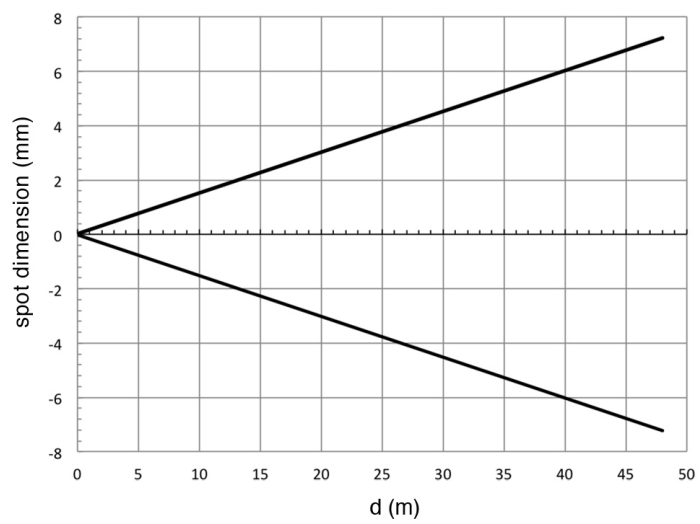


OTHERS

Dimensions



Response curves



Datasensing S.r.l.

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

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