



MV-MQ

MVP/A0-0A

Photo.M18,AC-NO,Cable,Reflex
M18 AC MULTIVOLTAGE OUTPUT PHOTOELECTRIC
SENSORS

OVERVIEW

- Wide range of models: diffuse, retro-reflective, polarized, through-beam
- Through-beam models with high sensing range
- Retro-reflective models with polarized light (with visible beam)
- M12 plug cable exit in axial or right angle shape
- Low leakage current and high output current
- IP67 protection degree
- Complete protection against electrical damage



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	3,5m
Thermal drift of Sr	$\leq 10\%Sr$
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Polarized
Notes	On RL110 reflector
Optic position	Axial

Outputs

Output type	TRIAC NO
Output Function	NO
Switching frequency	25Hz
Response time	20ms

Electrical data

Operating Voltage	20...253VAC/50-60Hz
No-Load supply current	$\leq 30\text{mARMS}$
Load current	5...300mARMS
Leakage current	6A
Output voltage drop	$\leq 3\text{V}@I_{\text{load}}=300\text{mARMS}$
Max ripple content	$\leq 10\%$
LED indicators	Red (status output)
Time delay before availability	$\leq 200\text{ms}$
Emission	LED Red (660nm)

Interference to external light	3.000lux (incandescent lamp), 10.000lux (sunlight)
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Mechanical data

Dimensions	M18x1/L=78,9mm
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Housing material	PBT / PC cable exit
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Weight	100g
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Connections	2m PVC cable
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Active Head Material	PMMA
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Tightening torque	1Nm
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Operating temperature	- 25°C...+ 60° C (without freeze)
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Diameter/Dimension	M18
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Test/Approvals

Approvals	CE cURus
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EMC compatibility	EN 60947-5-2
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Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
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Degree of protection	IP67
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Accessories

Supplied Accessories	Nuts M18 x 1
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Generical Data

Dimensions	M18x1/L=78,9mm
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Operating Temperature

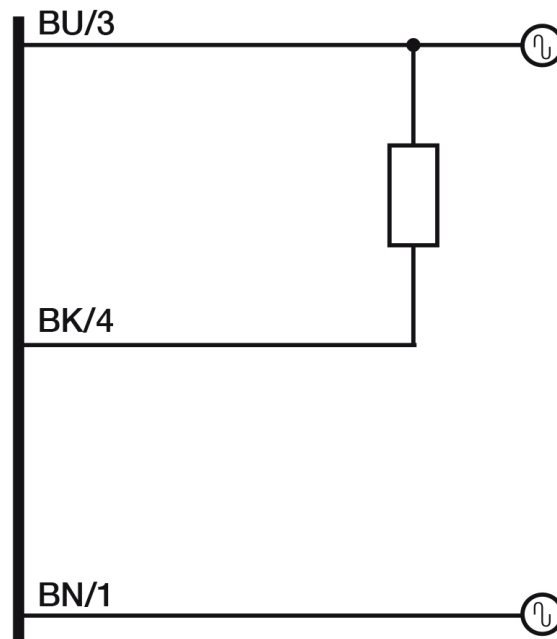
- 25°C...+ 70°C (Without freeze)

Mechanical Protection

IP67

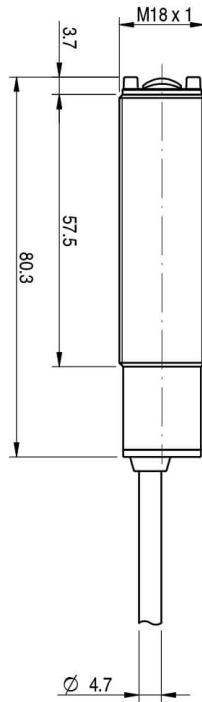
CONNECTIONS

Electrical diagram

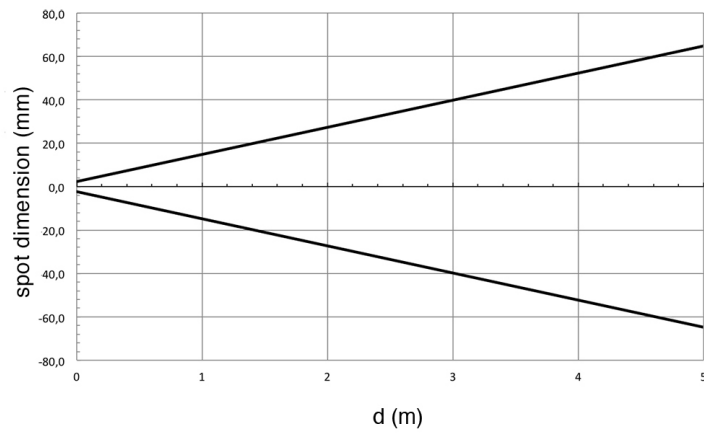


OTHERS

Dimensions



Response curves



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