



MV-MQ

MVE/00-0E

Photo.M18,IR emiss.,Pigtail M12,Emitter
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	16m (MVR), 32m (MVD)
Thermal drift of Sr	$\leq 10\%Sr$
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Emitter
Emitter/Receiver	Emitter
Optic position	Axial

Outputs

Output type	TRIAC
Output Function	
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 (powerON)
Time delay before availability	$\leq 200\text{ms}$
Emission	LED Infrared (880nm)

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 plug
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Weight	30g
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Connections	M12 plug
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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

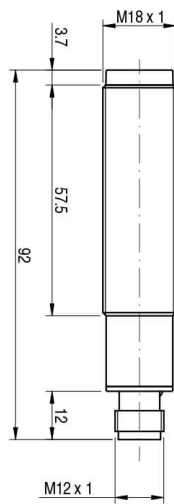
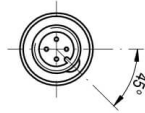


Connector

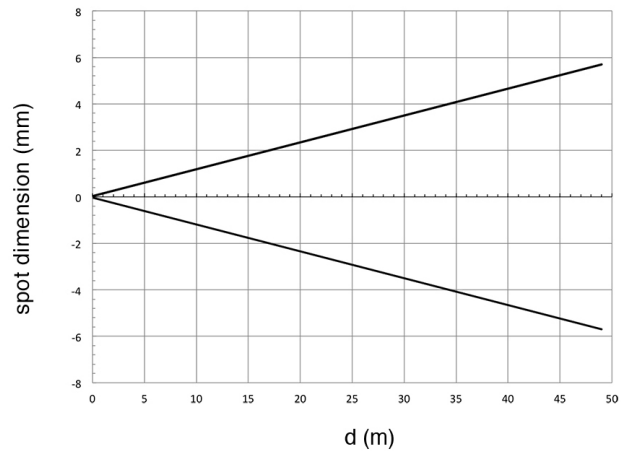


OTHERS

Dimensions



Response curves



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