



RX

RX6/00-3A

Photo.Maxi,Relay-NO/NC,M12 plug,Diffuse
MAXI WITH STATIC OUTPUT DC OR WITH RELAY OUTPUT
AC/DC

OVERVIEW

- Models: diffuse reflection, retro-reflective, polarized, through-beam and background suppression
- Series with high performances and wide possibilities of installation
- High sensing distance and very small dimensions
- Relay output or multifunctional DECOU[®]
- Timer function delay on, delay off, one shot; trimmer for sensitivity adjustment
- Switch reducing the emission for fine detection in through-beam types
- LED alignment indicator with 360° visibility, 2 LED indicators (stable signal, output)
- M12 standard plug cable exit; axial and right angle brackets



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1m
Thermal drift of Sr	10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Diffuse reflection (long distance, >600mm)
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Notes	white target Kodak 90% 400 x 400mm EG=1,5
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Optic position	Axial
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Outputs

Output type	Relay SPST NO/NC
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Output Function	NO/NC
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Switching frequency	25Hz
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Response time	20ms
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Electrical data

Operating Voltage	20...60VDC /20...253VAC/50-60Hz
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No-Load supply current	$\leq 25\text{mA RMS}$
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Load current	3A-250Vac/3A-30Vdc (750VA/90W)
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Max ripple content	$\leq 10\%$
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LED indicators	Red (output status) o (alineament), Green (stability)
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Time delay before availability	$\leq 200\text{ms}$
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Reverse Polarity Protection	Yes
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Emission	LED Infrared (880nm)
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Interference to external light	$\geq 5000\text{lux}$ (incandescent lamp)
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Impulsive Overvoltage Protection	Yes
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Mechanical data

Dimensions	26x86,6x50
Housing material	PC
Weight	75g
Connections	M12 plug
Active Head Material	PMMA
Operating temperature	- 25°C...+ 70°C (without freeze)
Diameter/Dimension	Cubic

Test/Approvals

Approvals	CE
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-28
Degree of protection	IP65

Accessories

Supplied Accessories	ST80 mounting bracket and screws
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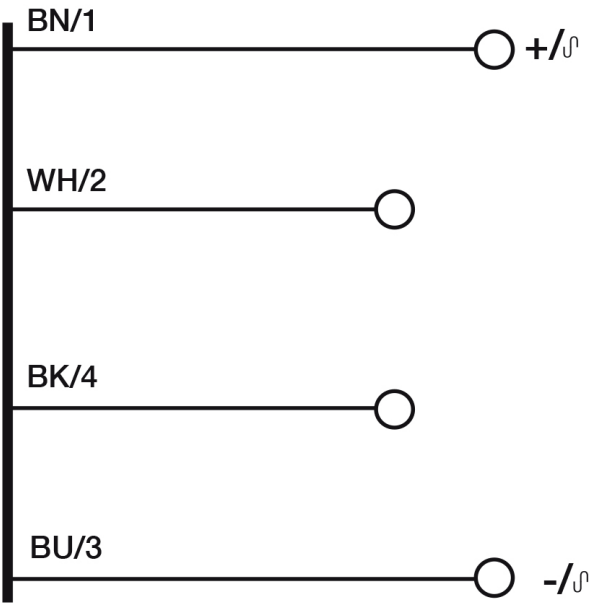
Generical Data

Dimensions	26x86,6x50

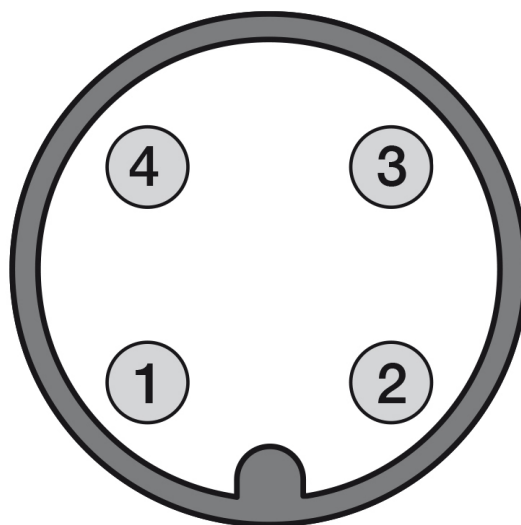
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP65

CONNECTIONS

Eletrical diagram

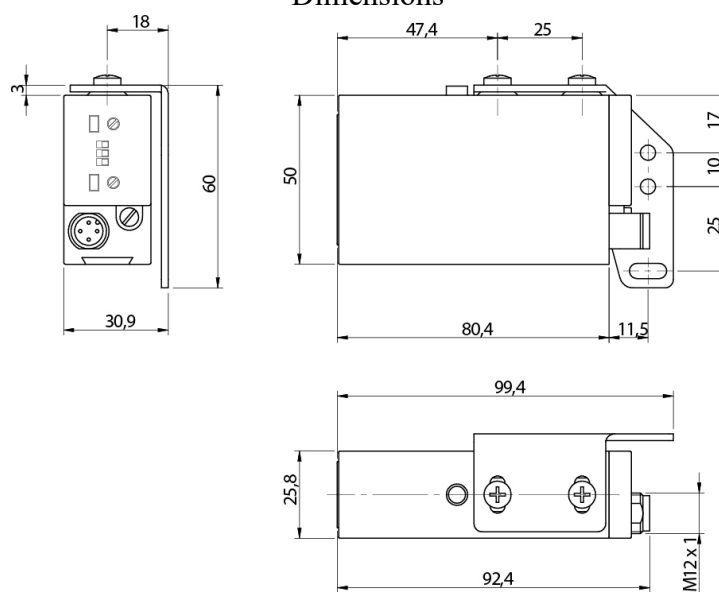


Connector

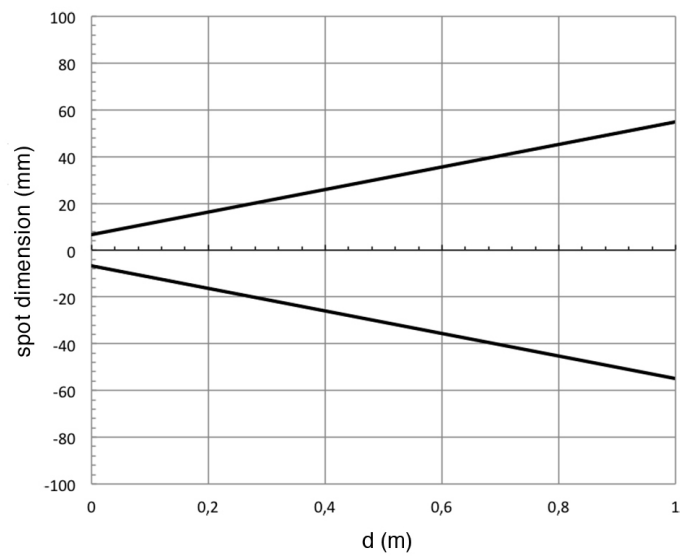


OTHERS

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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