



RX

RX8/00-1B

**Photo.Maxi,NPN/PNP-NO/NC,M12
plug,Diff.**

**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 DECOUT®
- 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	2m
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	Decout NPN/PNP Selectable Decout NO/NC Selectable
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Output Function	Decout NO/NC Selectable
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Switching frequency	500Hz
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Response time	1ms
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Electrical data

Operating Voltage	10...30VDC
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No-Load supply current	$\leq 25\text{mA}$
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Load current	$\leq 100\text{mA}$
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Leakage current	$\leq 10\mu\text{A}$
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Output voltage drop	$\leq 1,2\text{V}@I_{\text{load}}=100\text{mA}$
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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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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
Interference to external light	≥ 5000lux (incandescent lamp)

Mechanical data

Dimensions	26x86,6x61
Housing material	PC
Weight	90g
Connections	M12 plug
Active Head Material	PMMA
Operating temperature	- 25°C...+ 70°C (without freeze)
Diameter/Dimension	Cubic

Test/Approvals

Approvals	CE cULus
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	ST81 mounting bracket and screws
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Generical Data

Dimensions

26x86,6x61

Operating Temperature

- 25°C...+ 70°C (Without freeze)

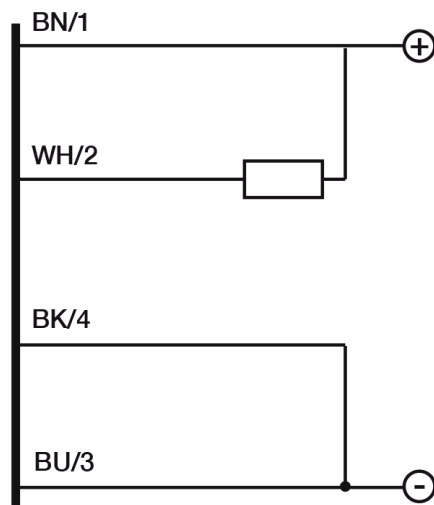
Mechanical Protection

IP65

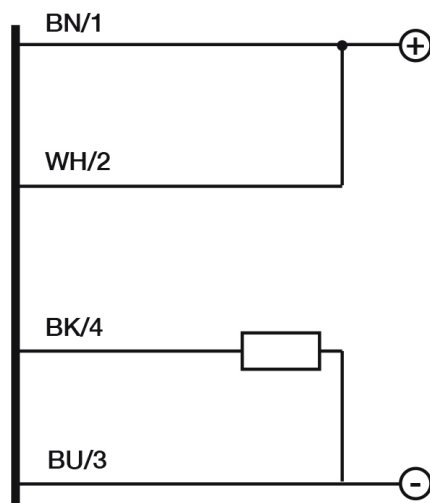
CONNECTIONS

Eletrical diagram

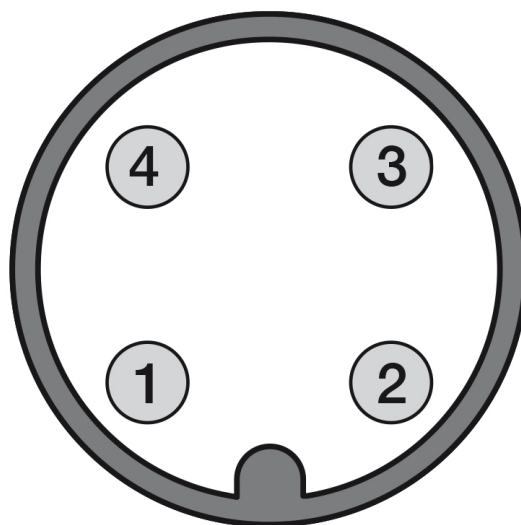
NPN



PNP

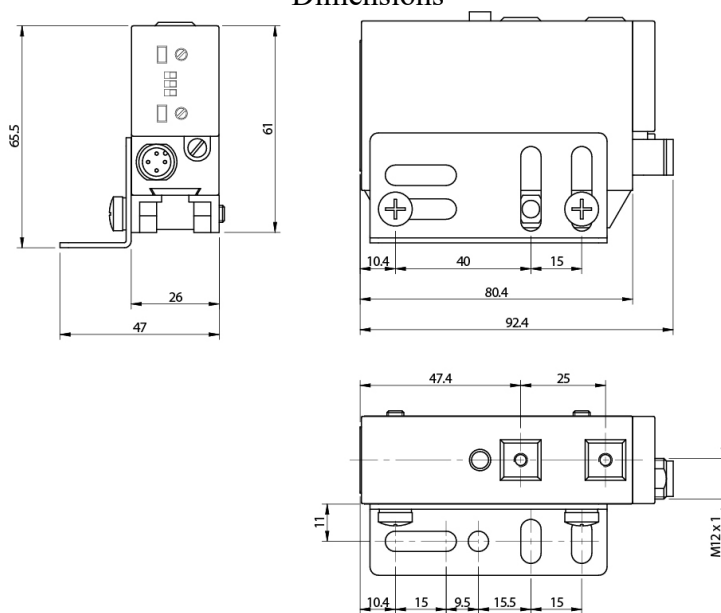


Connector

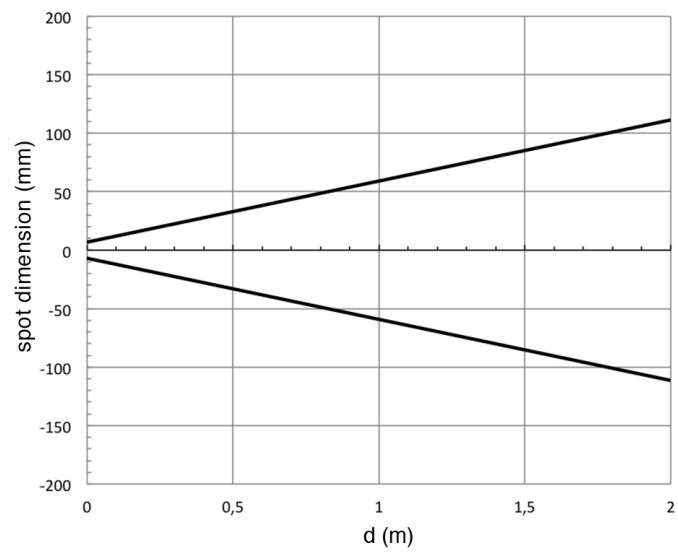


OTHERS

Dimensions



Response curves



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