



# RX

## RX8/00-3B

**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 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)            |
| Notes                          | white target Kodak 90% 400 x 400mm EG=1,5             |
| Optic position                 | Axial                                                 |
| Outputs                        |                                                       |
| Output type                    | Relay SPST NO/NC                                      |
| Output Function                | NO/NC                                                 |
| Switching frequency            | 25Hz                                                  |
| Response time                  | 20ms                                                  |
| Electrical data                |                                                       |
| Operating Voltage              | 20...60VDC /20...253VAC/50-60Hz                       |
| No-Load supply current         | ≤ 25mARMS                                             |
| Load current                   | 3A-250Vac/3A-30Vdc (750VA/90W)                        |
| Max ripple content             | ≤10%                                                  |
| LED indicators                 | Red (output status) o (alineament), Green (stability) |
| Time delay before availability | ≤200ms                                                |
| Reverse Polarity Protection    | Yes                                                   |
| Emission                       | LED Infrared (880nm)                                  |
| Interference to external light | ≥ 5000lux (incandescent lamp)                         |

|                                  |     |
|----------------------------------|-----|
| Impulsive Overvoltage Protection | Yes |
|----------------------------------|-----|

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                                             |
| 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 |
|----------------------|----------------------------------|

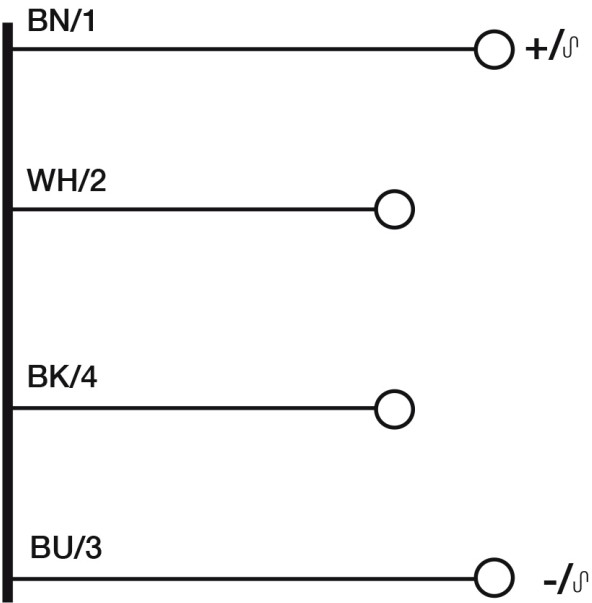
Generical Data

|            |            |
|------------|------------|
| Dimensions | 26x86,6x61 |
|            |            |

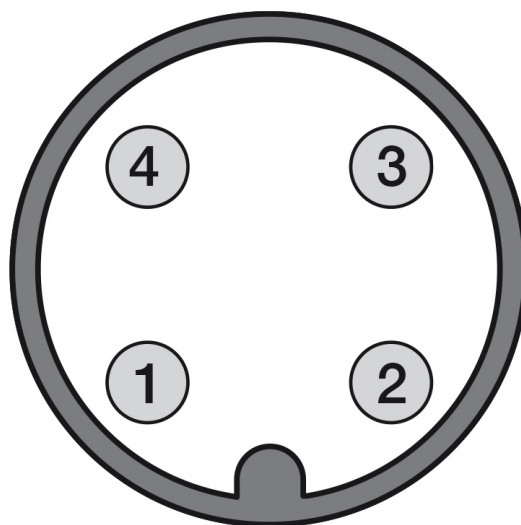
|                       |                                  |
|-----------------------|----------------------------------|
| Operating Temperature | - 25°C...+ 70°C (Without freeze) |
| Mechanical Protection | IP65                             |

# CONNECTIONS

Eletrical diagram

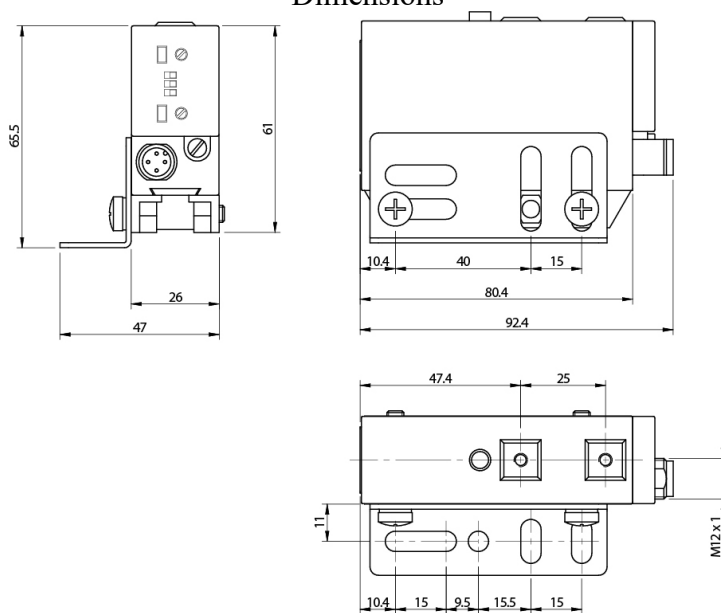


Connector

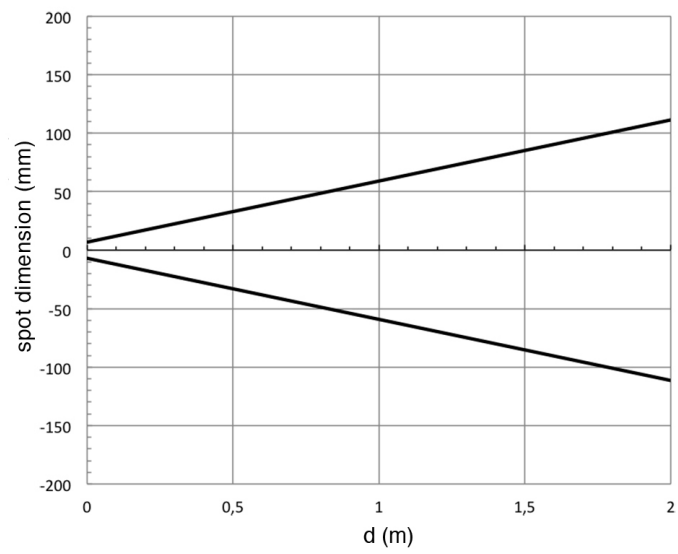


## OTHERS

### 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](mailto:info@datasensing.com)

**date of  
printing**  
10/08/2026  
05:22:27