



# RX

## RXS/00-3A

**Photo.Maxi,Relay-NO/NC,M12 plug,BGS**  
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<sup>®</sup>
- 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 | 0,3m    |
| Thermal drift of Sr      | 10% Sr  |
| Repeat Accuracy          | 5%      |
| Sensitivity adjustment   | Trimmer |

|                                       |       |
|---------------------------------------|-------|
| Minimum sensing distance (blind zone) | 0,05m |
|---------------------------------------|-------|

Application

|                    |                                           |
|--------------------|-------------------------------------------|
| Function Principle | Blackground suppression                   |
| Notes              | white target Kodak 90% 200 x 200mm 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         | ≤ 30mARMS                                             |
| 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            | 26x86,6x50                        |
| 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

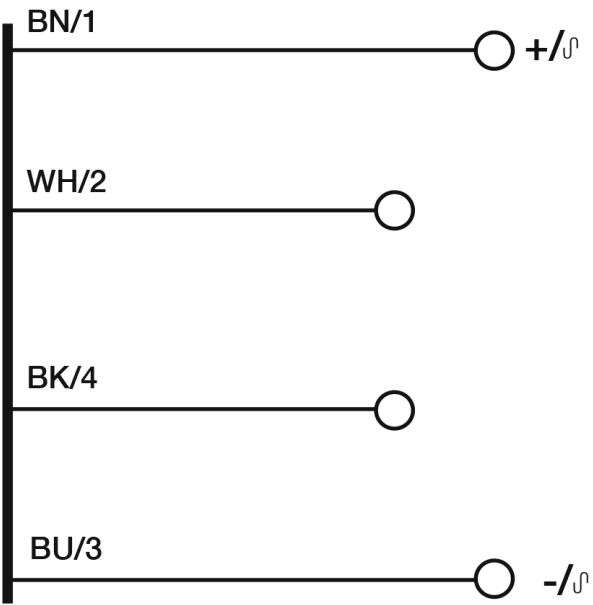
|                      |                                  |
|----------------------|----------------------------------|
| Supplied Accessories | ST80 mounting bracket and screws |
|----------------------|----------------------------------|

Generical Data

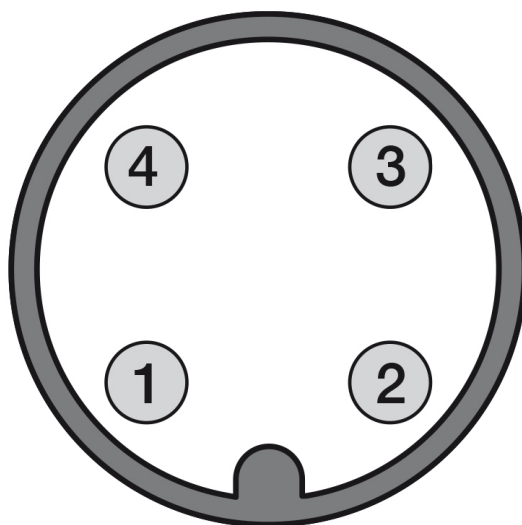
|                       |                                  |
|-----------------------|----------------------------------|
| Dimensions            | 26x86,6x50                       |
| Operating Temperature | - 25°C...+ 70°C (Without freeze) |
| Mechanical Protection | IP65                             |

# CONNECTIONS

Eletrical diagram



Connector

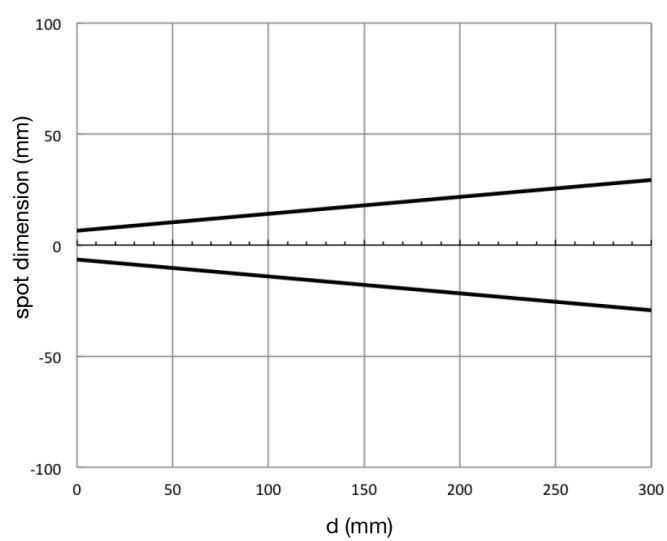


## OTHERS

Dimensions

Image:

Response curves



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