



FA

FAIH/X0-2A

Photo.M18,IR emiss.,Cable,Emitter
M18 PHOTOELECTRIC SENSORS DC

OVERVIEW

- Complete range of M18 sensors with 10...30 Vdc power supply
- Axial and radial optic with flat surface
- Retro-reflective models for transparent objects detection, with red emission IP67 protection degree
- Metallic or plastic housing
- Sensitivity adjustment available for all models
- Total protection against any type of electric damages
- Approvals: CE and cULus listed



TECHNICAL FEATURES

Detection properties

| | |
|--------------------------|----------------|
| Nominal sensing distance | 15m |
| Thermal drift of Sr | $\leq 10\%$ Sr |
| Repeat Accuracy | 5% |
| Sensitivity adjustment | No |

Application

| | |
|--------------------|--|
| Function Principle | Emitter with check |
| Emitter/Receiver | Emitter |
| Check Input | BK/2 connected to 0Vdc swithing off the emission |
| Optic position | Radial 90° |

Outputs

| | |
|---------------------|-------|
| Output type | |
| Switching frequency | 250Hz |
| Response time | 2ms |

Electrical data

| | |
|--------------------------------|--------------------------------------|
| Operating Voltage | 10...30VDC |
| No-Load supply current | ≤ 25mA |
| Max ripple content | ≤10% |
| LED indicators | Yellow (powerON) |
| Time delay before availability | ≤200ms |
| Reverse Polarity Protection | Polarity inversal, Impulsive voltage |
| Emission | LED Infrared (880nm) |

Mechanical data

| | |
|------------|------------------|
| Dimensions | M18 x 1/L=78,5mm |
|------------|------------------|

| | |
|-----------------------|-----------------------------------|
| Weight | 50g |
| Housing Material | PBT/ PC cable exit |
| Connections | 2m PVC cable |
| Active Head Material | PC |
| Tightening torque | 1Nm |
| Operating temperature | - 25°C...+ 70° C (Without freeze) |
| Diameter/Dimension | M18 |

Test/Approvals

| | |
|-----------------------|--|
| Approvals | CE cULus |
| EMC compatibility | EN 60947-5-2 |
| Shocks and vibrations | Vibration IEC 60068-2-6 / Shock IEC 60068-2-27 |
| Degree of protection | IP67 |

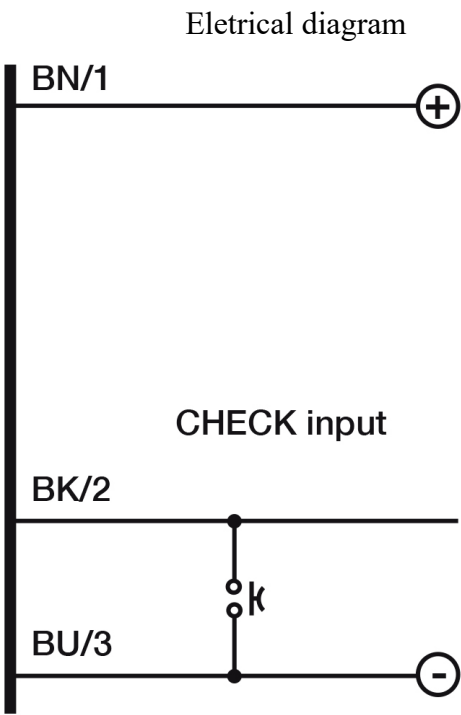
Accessories

| | |
|----------------------|--------------|
| Supplied Accessories | nuts M18 x 1 |
|----------------------|--------------|

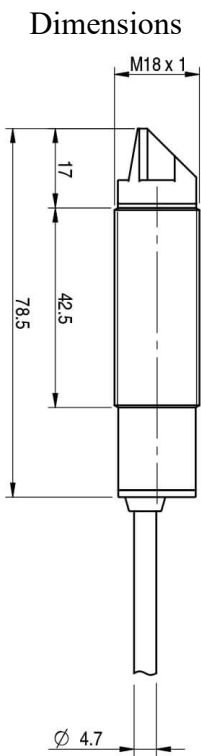
Generical Data

| | |
|-----------------------|----------------------------------|
| Dimensions | M18 x 1/L=78,5mm |
| Operating Temperature | - 25°C...+ 70°C (Without freeze) |
| Mechanical Protection | IP67 |

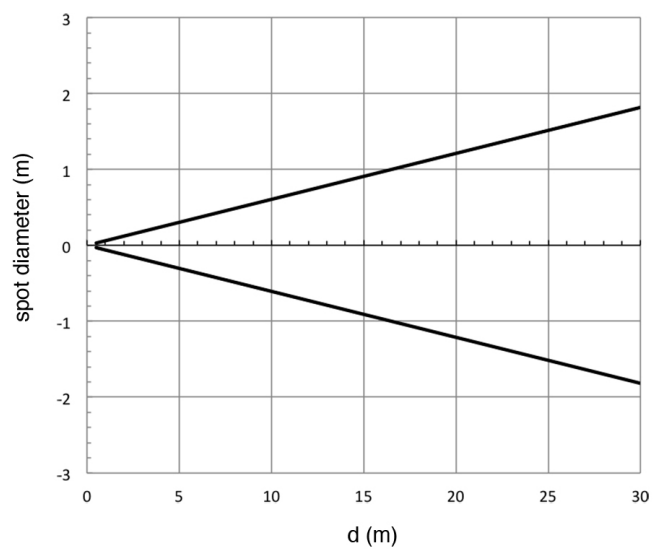
CONNECTIONS



OTHERS



Response curves



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