

# BX04-BX10

## BX10S/00-HB6X

**Area Sen, H=90mm-10mm pitch,Emitter**
**MEDIUM RESOLUTION AREA SENSORS**

# OVERVIEW

- IP67 protection degree (IP69K special model)
- Complete protection against electrical damages
- Detection of objects with irregular shape
- ATEX models, cat. 2 and cat. 3, available on request
- LED indicators
- Crossed beams detection

# TECHNICAL FEATURES

Detection properties

| | |
|---|---|
| Nominal sensing distance | 0,3 … 4m |
| Thermal drift of Sr | ≤10% |
| Beams space | 10mm |
| controlled height | 90mm |
| minimum detectable object | Ø 5mm |

| | |
|---|---|
| number of rays | 10 |
| Sensitivity adjustment | Trimmer |

Application

| | |
|---|---|
| Function Principle | Emitter |

Outputs

| | |
|---|---|
| Output type | Emitter |
| Output Function | Emitter |

Electrical data

| | |
|---|---|
| Operating Voltage | 10…26VDC |
| No-Load supply current | 25mA |
| Max ripple content | ≤ 10% |
| LED indicators | Green (powerON) |
| Time delay before availability | ≤ 85ms |
| Reverse Polarity Protection | Yes |
| Emission | Infrared |
| Interference to external light | 1000lux (incandescent lamp), 1500lux (sunlight) |

Mechanical data

| | |
|---|---|
| Dimensions | 45mm x 145mm x 20mm |
| Housing material | PBT |

| | |
|---|---|
| Weight | 115g |
| Connections | M12 Plug |
| Active Head Material | PC |
| Tightening torque | 25Nm |
| Operating temperature | 0°C…+ 50° C (without freeze) |

Test/Approvals

| | |
|---|---|
| Approvals | CE cULus |
| EMC compatibility | EN 60947-5-2 |
| Degree of protection | IP67 |

Accessories

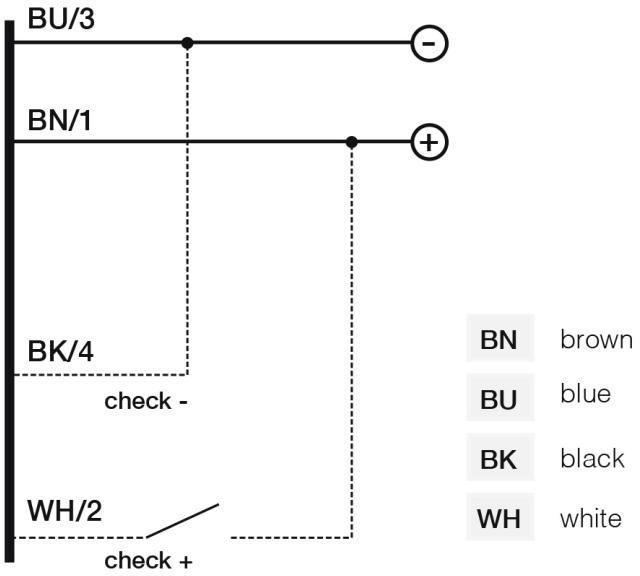
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|---|---|
| Supplied Accessories | 2 nuts M18x1 - 1 adjustment key - 1 90°angled brackets |

Generical Data

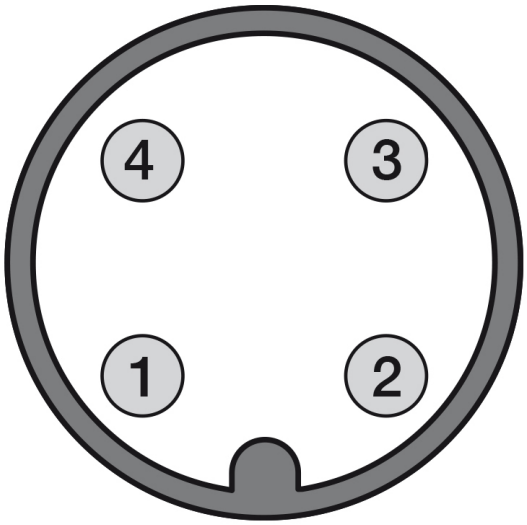
| | |
|---|---|
| Dimensions | 45x145x20 |
| Operating Temperature | 0°C…+ 50° C (without freeze) |
| Mechanical Protection | IP67 |

# CONNECTIONS

Eletrical diagram

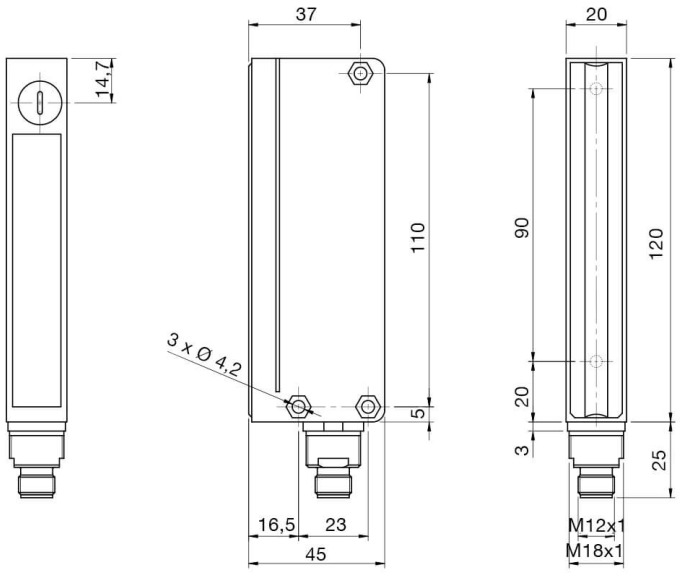



Connector




# OTHERS

Dimensions




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