BX10S/00-HB

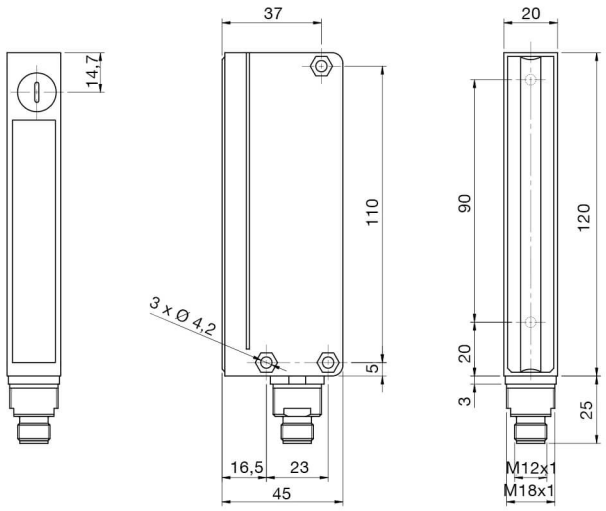
BX04-BX10



Indicative image

MEDIUM RESOLUTION AREA SENSORS

- 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



Detection properties

Nominal sensing distance	0,3 ... 2m
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
Switching frequency	180Hz
Resposnse time for light/dark	

transition	500µs
Resposnse time for dark/light transition	5ms

Electrical data

Operating Voltage	10 - 26Vdc
No-Load supply current	50mA
Load current	≤100mA
Leakage current	10µA
Output voltage drop	≤2V IL =100 mA
Max ripple content	≤ 10%
LED indicators	Green
Time delay before availability	CE
Short-circuit protection	autoreset
Reverse Polarity Protection	Yes
Emission	Infrared
Interference to external light	1000lux (incandescent lamp), 1500lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	45mm x 145mm x 20mm
Weight	230g
Housing Material	PBT
Connections	M12 Plug
Tightening torque	25Nm
Operating temperature	0°C...+ 50° C (without freeze)

Test/Approvals

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

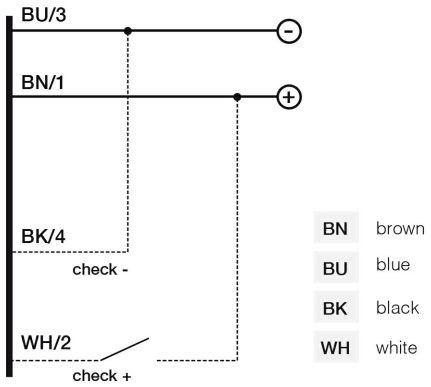
Accessories

Supplied Accessories	4 nuts M18x1 - 1 adjustment key - 2 90°angled brackets

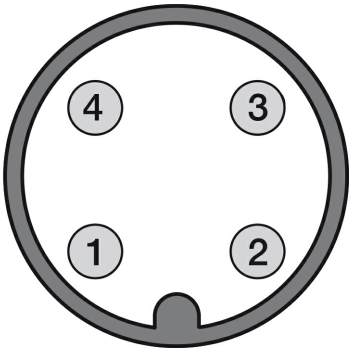
Generical Data

Dimensions	45mm x 145mm x 20mm
Operating Temperature	0°C...+ 50° C (without freeze)
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



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