

BX04-BX10

BX10S/X0-AB

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

CE

TECHNICAL FEATURES

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 with check

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	150g
Connections	PVC 2m cable
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

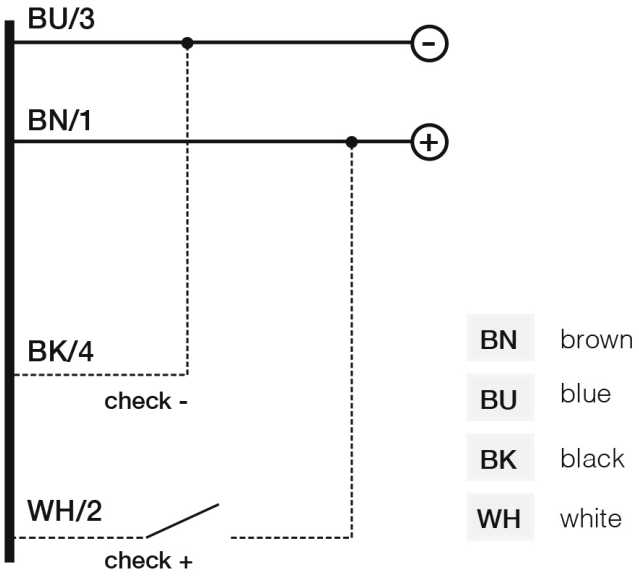
Supplied Accessories	2 nuts M18x1 - 1 adjustment key - 1 90°angled brackets

Generical Data

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

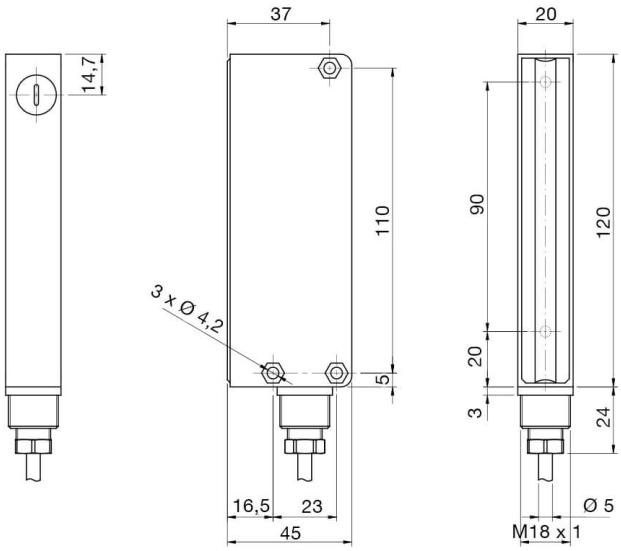
CONNECTIONS

Eletrical diagram



OTHERS

Dimensions



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