

BX04-BX10

BX10R/CD-AB

Area Sen, H=90mm-10mm pitch,Receiver
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

Application

Function Principle	Receiver

Outputs

Output type	NPN + PNP
Output Function	NC
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 Iload = 100mA
Max ripple content	≤ 10%
LED indicators	Yellow (output state) Red (alineament)
Time delay before availability	≤ 85ms
Short-circuit protection	autoreset

Reverse Polarity Protection	Yes
Interference to external light	1000lux (incandescent lamp), 1500lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	45mm x 145mm x 20mm
Housing material	PBT
Weight	300g
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

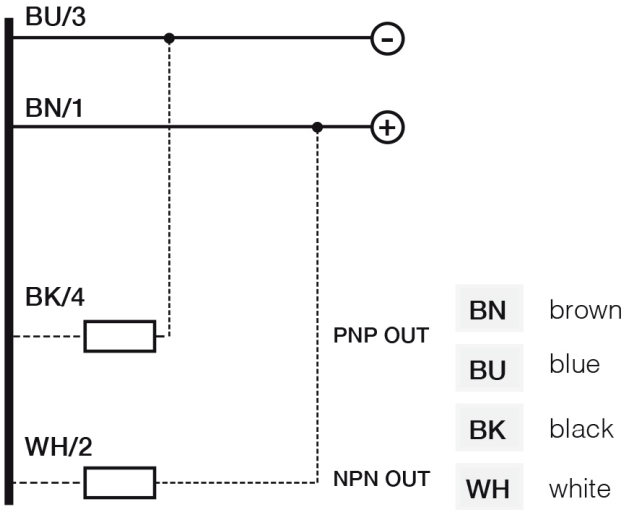
Supplied Accessories	2 nuts M18x1 - 1 adjustment key - 1 90°angled brackets

Generical Data

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

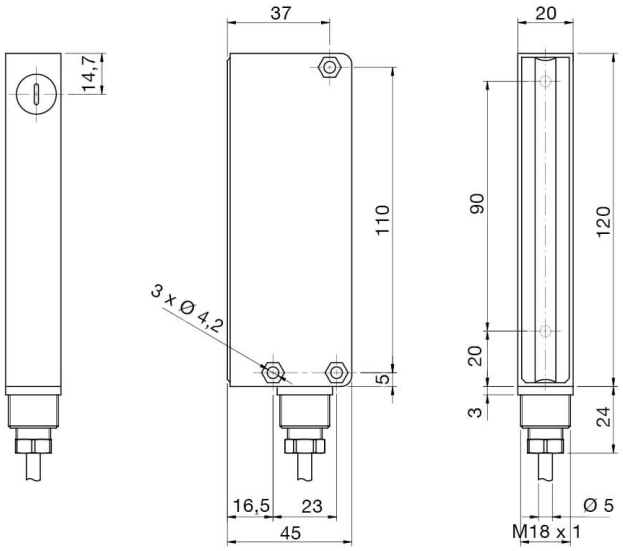
CONNECTIONS

Eletrical diagram



OTHERS

Dimensions



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