



## **BX04-BX10**

### **BX10SR/0A-HB6X**

Area Sen, H=90mm-10mm pitch,E+R

## **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- Receiver
Emitter/Receiver Code	BX10SR/0A-HB6X

Emitter Code	BX10S/00-HB6X
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Receiver Code	BX10R/AD-HB6X
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### Outputs

Output type	NPN + PNP
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Output Function	NO
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Switching frequency	110Hz
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Response time for light/dark transition	500 $\mu$ s
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Response time for dark/light transition	5ms
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### Electrical data

Operating Voltage	10...26VDC
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No-Load supply current	75mA
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Load current	$\leq$ 100mA
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Leakage current	10 $\mu$ A
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Output voltage drop	$\leq$ 2V Iload = 100mA
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Max ripple content	$\leq$ 10%
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LED indicators	Emitter: Green (powerON) Receiver: Yellow (output state) Red (alineament)
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Time delay before availability	$\leq$ 85ms
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Short-circuit protection	autoreset
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Reverse Polarity Protection	Yes
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Emission	Infrared
Interference to external light	1000lux (incandescent lamp), 1500lux (sunlight)
Impulsive Overvoltage Protection	Yes

#### Mechanical data

Housing material	PBT
Weight	230g
Connections	M12 Plug
Active Head Material	PC
Tightening torque	25Nm

#### Test/Approvals

Approvals	CE cULus
EMC compatibility	EN 60947-5-2

#### Accessories

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

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

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