

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
Receiver Code	BX10R/AD-HB6X

Outputs

Output type	NPN + PNP
Output Function	NO
Switching frequency	110Hz
Resposnse time for light/dark transition	500µs
Resposnse time for dark/light transition	5ms

Electrical data

Operating Voltage	10…26VDC
No-Load supply current	75mA
Load current	≤100mA
Leakage current	10µA
Output voltage drop	≤2V Iload = 100mA
Max ripple content	≤ 10%
LED indicators	Emitter: Green (powerON) Receiver: Yellow (output state) Red (alineament)
Time delay before availability	≤ 85ms
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

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

Generical Data

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

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