



BX04-BX10

BX10R/AD-HB2D

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

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
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Outputs

Output type	NPN + PNP

Output Function	NO
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	Yes (auto reset)
Reverse Polarity Protection	Yes
Interference to external light	1000lux (incandescent lamp), 1500lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data	
Housing material	PBT

Weight	115g
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Connections	M12 Plug
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Active Head Material	PC
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Tightening torque	25Nm
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Test/Approvals

Approvals	CE cULus
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EMC compatibility	EN 60947-5-2
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Accessories

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

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