



CX0

CX0E1RN/05-016V

Area Sen, H=160mm-5mm pitch,E+R,NPN

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,3 ... 3m
Beams space	5mm
controlled height	160mm
minimum detectable object	Ø 1,5mm
number of rays	33
Sensitivity adjustment	Teach-in by wire

Application

Function Principle	emitter/receiver
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Outputs

Output type	NPN
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Output Function	NO/NC
Switching frequency	75Hz

Electrical data

Operating Voltage	16,8... 30Vdc
No-Load supply current	≤330mA
Load current	< 100mA
Leakage current	≤ 10μA
Output voltage drop	< 1,5V @ 100mA
Max ripple content	< 1,2Vpp
LED indicators	Blue, red and yellow (emitter) - green, red and yellow (receiver)
Time delay before availability	200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Infrared (850nm)
Interference to external light	IEC EN 60947-5-2
Impulsive Overvoltage Protection	Yes

Mechanical data

Housing material	Aluminium
Weight	450g

Connections	M12 4pin + cable PVC 200mm ; M12 5pin + cable PVC 200mm
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Active Head Material	PMMA
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Storage temperature	- 25°C...+ 60° C (without freeze)
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Test/Approvals

Approvals	CE, cULus
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EMC compatibility	IEC 60947-5-2
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Shocks and vibrations	IEC EN 60947-5-2
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Accessories

Supplied Accessories	ST151 fixing kit
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Generical Data

Dimensions	169x36x20
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Operating Temperature	-10°C...+ 55° C (without freeze)
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Mechanical Protection	IP67
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