



CX2E0RB/05-032V

Area Sen, H=320mm-5mm pitch,E+R,NPN+PNP area sensors with high resolution and compact housing with digital and analogue output

OVERVIEW

- Parallel beams and floating crossbeams with variable amplitude
- Synchronization by cable. Pitch 5, 10 and 20mm
- Control height up 480mm (pitch 5mm) and up 960mm (pitch10mm and 20mm)
- Maximum operating distance up to 3m (for 5mm pitch) and 6m (for 10mm and 20 pitch)
- Digital outputs NPN and PNP ; analogue current output (4...20mA) and analogue voltage output (0..10V), mix outputs : digital PNP and analogue voltage output (0..10V)
- Adjustment by teach-in, 2 levels of adjustment
- Blanking function . Available analogue versions TOP BEAM



TECHNICAL FEATURES

Detection properties	
Nominal sensing distance	0,3 3m
Beams space	5mm
controlled height	320mm
minimum detectable object	Ø 5mm

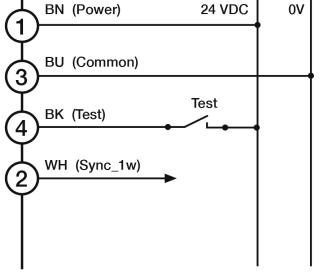
number of rays	65
Sensitivity adjustment	Teach-in by wire
Application	
Function Principle	emitter/receiver
Outputs	
Output type	NPN + PNP
Output Function	NO/NC
Switching frequency	18,1Hz
Electrical data	
Operating Voltage	16,8 30Vdc
No-Load supply current	≤330mA
Load current	< 100mA
Leakage current	$\leq 10 \mu A$
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	< 3s
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	
Dimensions	20mm x 329mm x 35mm
Weight	750g
Housing Material	Aluminium
Connections	M12 4pin + cable PVC 200mm ; M12 8pin + cable PVC 200mm
Active Head Material	PMMA
Operating temperature	$-10^{\circ}C+55^{\circ}C$ (without freeze)
Storage temperature	- $25^{\circ}C+60^{\circ}C$ (without freeze)
Test/Approvals	
Approvals	CE, cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	IEC EN 60947-5-2
Degree of protection	IP67
Accessories	
Supplied Accessories	ST151 fixing kit

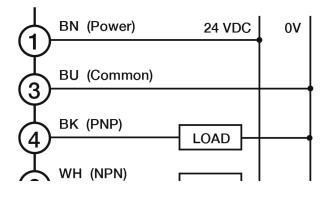
Generical Data	
Dimensions	329x36x20
Operating Temperature	-10°C+ 55° C (without freeze)
Mechanical Protection	IP67

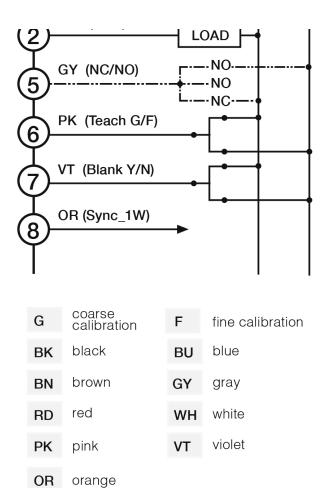
CONNECTIONS

Eletrical diagram
CX2E0



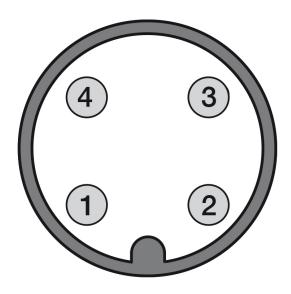
CX2RB

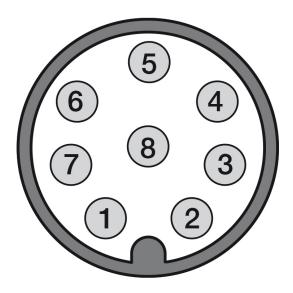




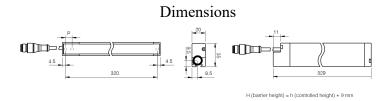
orange

Connector





OTHERS



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