



# CX2

## CX2E0RA/10-080VTB

Area Sen, H=800mm-10mm pitch,E+R,I+V

## TECHNICAL FEATURES

### Detection properties

|                           |                  |
|---------------------------|------------------|
| Nominal sensing distance  | 0,3 ... 6m       |
| Beams space               | 10mm             |
| controlled height         | 800mm            |
| minimum detectable object | Ø 10mm           |
| number of rays            | 81               |
| Sensitivity adjustment    | Teach-in by wire |

### Application

|                    |                  |
|--------------------|------------------|
| Function Principle | emitter/receiver |
|--------------------|------------------|

### Outputs

|             |                    |
|-------------|--------------------|
| Output type | 0,,,10V + 4,,,20mA |
|-------------|--------------------|

|                     |                         |
|---------------------|-------------------------|
| Output Function     | positive/negative slope |
| Switching frequency | 14,7Hz                  |

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| 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   | < 3s                                                              |
| Short-circuit protection         | Yes                                                               |
| Reverse Polarity Protection      | Yes                                                               |
| Emission                         | Infrared (880nm)                                                  |
| Impulsive Overvoltage Protection | Yes                                                               |

|                  |                                                         |
|------------------|---------------------------------------------------------|
| Mechanical data  |                                                         |
| Housing material | Aluminium                                               |
| Weight           | 2250g                                                   |
| Connections      | M12 4pin + cable PVC 200mm ; M12 8pin + cable PVC 200mm |

|                      |      |
|----------------------|------|
| Active Head Material | PMMA |
|----------------------|------|

|                     |                                   |
|---------------------|-----------------------------------|
| Storage temperature | - 25°C...+ 60° C (without freeze) |
|---------------------|-----------------------------------|

#### Test/Approvals

|           |           |
|-----------|-----------|
| Approvals | CE, cULus |
|-----------|-----------|

|                   |               |
|-------------------|---------------|
| EMC compatibility | IEC 60947-5-2 |
|-------------------|---------------|

|                       |                  |
|-----------------------|------------------|
| Shocks and vibrations | IEC EN 60947-5-2 |
|-----------------------|------------------|

#### Accessories

|                      |                  |
|----------------------|------------------|
| Supplied Accessories | ST151 fixing kit |
|----------------------|------------------|

#### Generical Data

|            |           |
|------------|-----------|
| Dimensions | 809x36x20 |
|------------|-----------|

|                       |                                  |
|-----------------------|----------------------------------|
| Operating Temperature | -10°C...+ 55° C (without freeze) |
|-----------------------|----------------------------------|

|                       |      |
|-----------------------|------|
| Mechanical Protection | IP67 |
|-----------------------|------|

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