



## Safety light curtains miniTwin4

C4MT-05414ABB04DE0



**Model Name** > C4MT-05414ABB04DE0  
**Part No.** > 1207122



#### At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Compact cross section (15 mm x 32 mm) with no dead zones
- Cascadable twin stick design - sender and receiver in a single housing
- Customized protective field heights in 60-mm increments from 120 mm to 1200 mm
- Typical scanning ranges 0 m ... 5 m
- Intelligent, software-free configuration of external device monitoring (EDM) and reset function (RES)
- M12, 5-pin device connection

#### Your benefits

- Cost-effective machine integration: its small design, cascadable features and incremental protective field heights enable a flexible adjustment to the machine design
- Standardization saves time and resources because of more straightforward logistics, order entry and service
- Simplified handling and setup: Software-free, almost fully automatic commissioning and intuitive operation with sustainable optics
- Bright LED display provides fast alignment, easy start up and clear protective field visualization ensure quick diagnostics
- End-to-end coverage in cascadable applications eliminates dead zones and shortens the safety distance, increasing productivity
- Application-specific brackets provide increased flexibility and reduce installation time



#### Functions

|                                               |                           |
|-----------------------------------------------|---------------------------|
| Restart interlock:                            | ✓                         |
| Restart interlock (delivery status):          | Deactivated               |
| External device monitoring (EDM):             | ✓                         |
| External device monitoring (delivery status): | Deactivated               |
| Beam coding:                                  | ✓                         |
| Bypass (with UE402):                          | -                         |
| Operating mode switching (with UE402):        | -                         |
| Type of blanking:                             | No                        |
| Reduced resolution:                           | -                         |
| SDL interface:                                | -                         |
| Muting with:                                  | Flexi Classic, Flexi Soft |

|                                             |            |
|---------------------------------------------|------------|
| Configuration method:                       | Hard wired |
| Extension connection:                       | ✓          |
| PSDI mode with:                             | Flexi Soft |
| Safe SICK device communication via EFI/SDL: | -          |

#### Technical data

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|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| Scanning range from ... to:             | 0 m ... 4 m                                  |
| Scanning range typ.:                    | 0 m ... 5 m                                  |
| Housing length:                         | 540 mm                                       |
| Weight:                                 | 195 g                                        |
| Vibration resistance (checked to):      | 5 g (IEC 60068-2-6)                          |
| Oscillation frequency from ... to:      | 10 Hz ... 55 Hz                              |
| Response time:                          | 14 ms <sup>1)</sup>                          |
| Supply voltage typical, from, to:       | 24 V DC, 19.2 V DC, 28.8 V DC                |
| Maximum switching current:              | 300 mA                                       |
| Wave length:                            | 850 nm                                       |
| Connection type extension connection:   | Socket M12 x 4 + FE                          |
| Maximum connection cable cross-section: | 0.34 mm <sup>2</sup>                         |
| Mounting system type:                   | C-fix or L-fix bracket                       |
| Extension connection usage:             | Cascade                                      |
| Resolution:                             | 14 mm                                        |
| Protective field height:                | 540 mm                                       |
| Type:                                   | Type 4 (IEC 61496)                           |
| Safety integrity level:                 | SIL3 (IEC 61508), SILCL3 (IEC 62061)         |
| Category:                               | Category 4 (EN ISO 13849)                    |
| Performance level:                      | PL e EN ISO 13849                            |
| PFHd:                                   | Cascaded systems: 1.3 * 1E-08 (EN ISO 13849) |
| TM (mission time):                      | 20 a                                         |
| Protection class:                       | III (EN 61140)                               |
| Cable length:                           | 350 mm                                       |
| Enclosure rating:                       | IP 65 (EN 60529)                             |
| Ambient operating temperature:          | -20 °C ... 55 °C                             |
| Shock resistance:                       | 10 g, 16 ms (IEC 60068-2-29)                 |
| Housing cross-section:                  | 15 mm x 32 mm                                |

<sup>1)</sup> Standalone devices, no cascaded systems. Other response times see operating instructions.

Dimensional drawing



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