



## Safety light curtains miniTwin4

C4MT-04814ABB03DE0



**Model Name** > [C4MT-04814ABB03DE0](#)  
**Part No.** > [1207102](#)



#### 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

---

|                                         |                                               |
|-----------------------------------------|-----------------------------------------------|
| Scanning range from ... to:             | 0 m ... 4 m                                   |
| Scanning range typ.:                    | 0 m ... 5 m                                   |
| Housing length:                         | 480 mm                                        |
| Weight:                                 | 175 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                                        |
| Maximum connection cable cross-section: | 0.34 mm <sup>2</sup>                          |
| Mounting system type:                   | C-fix or L-fix bracket                        |
| Extension connection usage:             | Stand alone                                   |
| Resolution:                             | 14 mm                                         |
| Protective field height:                | 480 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:                                   | Standalone system: 4.3 * 1E-09 (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



**Australia**

Phone +61 3 9457 0600  
1800 33 48 02 – tollfree  
E-Mail sales@sick.com.au

**Belgium/Luxembourg**

Phone +32 (0)2 466 55 66  
E-Mail info@sick.be

**Brasil**

Phone +55 11 3215-4900  
E-Mail marketing@sick.com.br

**Canada**

Phone +1 905 771 14 44  
E-Mail information@sick.com

**Česká republika**

Phone +420 2 57 91 18 50  
E-Mail sick@sick.cz

**China**

Phone +86 4000 121 000  
E-Mail info.china@sick.net.cn  
Phone +852-2153 6300  
E-Mail ghk@sick.com.hk

**Danmark**

Phone +45 45 82 64 00  
E-Mail sick@sick.dk

**Deutschland**

Phone +49 211 5301-301  
E-Mail info@sick.de

**España**

Phone +34 93 480 31 00  
E-Mail info@sick.es

**France**

Phone +33 1 64 62 35 00  
E-Mail info@sick.fr

**Great Britain**

Phone +44 (0)1727 831121  
E-Mail info@sick.co.uk

**India**

Phone +91-22-4033 8333  
E-Mail info@sick-india.com

**Israel**

Phone +972-4-6881000  
E-Mail info@sick-sensors.com

**Italia**

Phone +39 02 27 43 41  
E-Mail info@sick.it

**Japan**

Phone +81 (0)3 5309 2112  
E-Mail support@sick.jp

**Magyarország**

Phone +36 1 371 2680  
E-Mail office@sick.hu

**Nederland**

Phone +31 (0)30 229 25 44  
E-Mail info@sick.nl

**Norge**

Phone +47 67 81 50 00  
E-Mail sick@sick.no

**Österreich**

Phone +43 (0)22 36 62 28 8-0  
E-Mail office@sick.at

**Polska**

Phone +48 22 837 40 50  
E-Mail info@sick.pl

**România**

Phone +40 356 171 120  
E-Mail office@sick.ro

**Russia**

Phone +7-495-775-05-30  
E-Mail info@sick.ru

**Schweiz**

Phone +41 41 619 29 39  
E-Mail contact@sick.ch

**Singapore**

Phone +65 6744 3732  
E-Mail sales.gsg@sick.com

**Slovenija**

Phone +386 (0)1-47 69 990  
E-Mail office@sick.si

**South Africa**

Phone +27 11 472 3733  
E-Mail info@sickautomation.co.za

**South Korea**

Phone +82 2 786 6321/4  
E-Mail info@sickkorea.net

**Suomi**

Phone +358-9-25 15 800  
E-Mail sick@sick.fi

**Sverige**

Phone +46 10 110 10 00  
E-Mail info@sick.se

**Taiwan**

Phone +886 2 2375-6288  
E-Mail sales@sick.com.tw

**Türkiye**

Phone +90 (216) 528 50 00  
E-Mail info@sick.com.tr

**United Arab Emirates**

Phone +971 (0) 4 88 65 878  
E-Mail info@sick.ae

**USA/México**

Phone +1(952) 941-6780  
1 (800) 325-7425 – tollfree  
E-Mail info@sickusa.com

More representatives and agencies  
at [www.sick.com](http://www.sick.com)