



Safety light curtains miniTwin4

C4MT-08414ABB04FE0



Model Name > C4MT-08414ABB04FE0
Part No. > 1207127



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Compact cross section (15 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 to 1200 mm
- Typical scanning ranges 0 ... 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 device communication via EFI/SDL: | - |

Technical data

| | |
|--|--|
| Scanning range from ... to: | 0 m ... 4 m |
| Scanning range typ.: | 0 m ... 5 m |
| Housing length: | 840 mm |
| Weight: | 300 g |
| Ambient operating temperature from ... to: | -20 °C ... 55 °C |
| Vibration resistance (checked to): | 5 g (IEC 60068-2-6) |
| Oscillation frequency from ... to: | 10 Hz ... 55 Hz |
| Response time: | 17 ms ¹⁾ |
| 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 ² |
| Mounting system type: | C-fix or L-fix bracket |
| Extension connection usage: | Cascade |
| Resolution: | 14 mm |
| Protective field height: | 840 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: | 700 mm |
| Enclosure rating: | IP 65 (EN 60529) |
| Shock resistance: | 10 g, 16 ms (IEC 60068-2-29) |
| Housing cross-section: | 15 mm x 32 mm |

¹⁾ Standalone devices, no cascaded systems. Other response times see operating instructions.

Dimensional drawing



Australia

Phone +61 3 9457 0600
1800 334 802 – 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 sac@sick.com.br

Canada

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

Ceská 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 kundenservice@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 +972-4-6801000
E-Mail info@sick-sensors.com

Italia

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

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

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

Nederlands

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

Norge

Phone +47 67 81 50 00
E-Mail austefjord@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 admin@sicksgp.com.sg

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 8865 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