



Safety light curtains MiniTwin2

C2MT-08414BBC04FEO



Model Name > [C2MT-08414BBC04FE0](#)
Part No. > [1207878](#)



At a glance

- Type 2 (IEC 61496), PL d (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 ... 8 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: | ✓ |
| 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 ... 6 m |
| Scanning range typ.: | 0 m ... 8 m |
| Housing length: | 840 mm |
| Weight: | 300 g |
| Test rate (internal test): | 47 /s (EN ISO 13849) |
| Maximum demand rate: | 28 /min (EN ISO 13849) ¹⁾ |
| 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 ²⁾ |
| 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 2 (IEC 61496) |
| Safety integrity level: | SIL2 (IEC 61508), SILCL2 (IEC 62061) |
| Category: | Category 2 (EN ISO 13849) |
| Performance level: | PL d EN ISO 13849 |
| PFHd: | Cascaded systems: 5.2 * 1E-08 (EN ISO 13849) |
| TM (mission time): | 20 a |
| Protection class: | III (EN 61140) |
| Cable length: | 700 mm |
| Enclosure rating: | IP 65 |
| Shock resistance: | 10 g, 16 ms (IEC 60068-2-29) |
| Housing cross-section: | 15 mm x 32 mm |

¹⁾ Between two demands on a safety-related response of the device, at least 100 internal or external tests must be carried out. ²⁾ Standalone devices, no cascaded systems. Other response times see operating instructions.

Dimensional drawing



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