



Safety light curtains MiniTwin2

C2MT-05414BBC03DB0



Model Name > C2MT-05414BBC03DB0
Part No. > 1207930



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:	540 mm
Weight:	195 g
Test rate (internal test):	58 /s (EN ISO 13849)
Maximum demand rate:	34 /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:	14 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
Maximum connection cable cross-section:	0.34 mm ²
Mounting system type:	O-fix bracket
Extension connection usage:	Stand alone
Resolution:	14 mm
Protective field height:	540 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:	Standalone system: 2.4 * 1E-08 (EN ISO 13849)
TM (mission time):	20 a
Protection class:	III (EN 61140)
Cable length:	350 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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