



Safety light curtains miniTwin4

C4MT-05434ABB04DE0



Model Name > [C4MT-05434ABB04DE0](#)
Part No. > [1207307](#)



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:	540 mm
Weight:	195 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:	13 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 mm²
Mounting system type:	C-fix or L-fix bracket
Extension connection usage:	Cascade
Resolution:	34 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)
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.

The technical drawing illustrates the dimensions of the 600 Series Aluminum Extrusion in three views:

- Top View:** Shows a rectangular profile with a total width of 15 units. The distance from the centerline to the outer edge is 8.7 units.
- Side View:** Shows the extrusion's length, which is 5 units.
- End View:** Shows the cross-section of the extrusion. It features a central slot with a depth of 10 units and a bottom flange thickness of 4.5 units. The overall height of the extrusion is 32 units. A dimension of 8.5 units indicates the distance from the base to the center of the slot. A curved section on the right side has a radius of 23.8 units. A small dimension 'd' is also indicated at the bottom of the slot.

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