

## Technical data sheet

### Safety sensor set

Part no.: 426691

MLC510-14-1200-1650-SB10



#### Contents

- Set consists of
- Technical data
- Part number code



## Set consists of

	Quantity	Part no.	Designation	Article	Description
	2	424422	BT-2SB10	Mounting bracket set	Contains: 2x BT-SB10 Design of mounting device: Mounting clamp Fastening, at system: Through-hole mounting Mounting bracket, at device: Clampable, On the lateral C-groove Type of mounting device: Swiveling Swivel range: -8 ... 8 ° Material: Metal
	1	68000112	MLC500T14-1200	Safety light curtain transmitter	Resolution: 14 mm Protective field height: 1,200 mm Operating range: 0 ... 6 m Connection: Connector, M12, Metal, 5 -pin
	1	68000116	MLC500T14-1650	Safety light curtain transmitter	Resolution: 14 mm Protective field height: 1,650 mm Operating range: 0 ... 6 m Connection: Connector, M12, Metal, 5 -pin
	1	68001112	MLC510R14-1200	Safety light curtain receiver	Function package: Basic Resolution: 14 mm Protective field height: 1,200 mm Response time: 26 ms Connection: Connector, M12, Metal, 5 -pin
	1	68001116	MLC510R14-1650	Safety light curtain receiver	Function package: Basic Resolution: 14 mm Protective field height: 1,650 mm Response time: 36 ms Connection: Connector, M12, Metal, 5 -pin

## Technical data

### Basic data

Series	MLC 500
Device type	Set (transmitter and receiver)
Application	Finger protection

### Functions

Functions	Automatic start/restart
	Range reduction
	Transmission channel changeover

### Characteristic parameters

Type	4, IEC/EN 61496
SIL	3, IEC 61508
SILCL	3, IEC/EN 62061
Performance Level (PL)	e, EN ISO 13849-1
PFH <sub>D</sub>	7.73E-09 per hour
Mission time T <sub>M</sub>	20 years, EN ISO 13849-1
Category	4, EN ISO 13849

### Protective field data

Resolution	14 mm
Protective field height	1,650 mm
Operating range	0 ... 6 m

### Mechanical data

Net weight	2,125 g
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### Certifications

Degree of protection	IP 65
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## Technical data

ECLASS 5.1.4	27272704
ECLASS 8.0	27272704
ECLASS 9.0	27272704
ECLASS 10.0	27272704
ECLASS 11.0	27272704
ECLASS 12.0	27272704
ECLASS 13.0	27272704
ECLASS 14.0	27272704
ECLASS 15.0	27272704
ECLASS 16.0	27272704
ETIM 5.0	EC002549
ETIM 6.0	EC002549
ETIM 7.0	EC002549
ETIM 8.0	EC002549
ETIM 9.0	EC002549
ETIM 10.0	EC002549

## Part number code

Part designation: **MLCxyy-za-hhhhei-ooo**

**MLC**                      **Safety light curtain**

<b>x</b>	<b>Series</b> 3: MLC 300 5: MLC 500
<b>yy</b>	<b>Function classes</b> 00: transmitter 01: transmitter (AIDA) 02: transmitter with test input 10: basic receiver - automatic restart 11: basic receiver - automatic restart (AIDA) 20: standard receiver - EDM/RES selectable 30: Extended receiver blanking/muting or gating 35: Extended receiver – Gating
<b>z</b>	<b>Device type</b> T: transmitter R: receiver
<b>a</b>	<b>Resolution</b> 14: 14 mm 20: 20 mm 30: 30 mm 40: 40 mm 90: 90 mm
<b>hhhh</b>	<b>Protective field height</b> 150 ... 3000: from 150 mm to 3000 mm
<b>e</b>	<b>Host/Guest (optional)</b> H: Host MG: Middle Guest G: Guest
<b>i</b>	<b>Interface (optional)</b> /A: AS-i
<b>ooo</b>	<b>Option</b> /V: high Vibration-proof EX2: explosion protection (zones 2 + 22) SPG: Smart Process Gating SPG RR: Smart Process Gating – Reduced resolution

### Note



A list with all available device types can be found on the Leuze website at [www.leuze.com](http://www.leuze.com).