

## Technical data sheet

### Safety sensor set

Part no.: 426697

MLC510-30-1800.1-SB10



#### Contents

- Set consists of
- Technical data
- Part number code



## Set consists of

Quantity	Part no.	Designation	Article	Description
3	424422	BT-2SB10	Mounting bracket set	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	68000318	MLC500T30-1800	Safety light curtain transmitter	Resolution: 30 mm Protective field height: 1,800 mm Operating range: 0 ... 10 m Connection: Connector, M12, Metal, 5 -pin
1	68026318	MLC510R30-1800.1	Safety light curtain receiver	Function package: Basic Resolution: 30 mm Protective field height: 1,800 mm Response time: 32 ms Connection: Connector, M12, Metal, 5 -pin

## Technical data

### Basic data

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

### Functions

Functions	Automatic start/restart
	DoubleScan
	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	30 mm
Protective field height	1,800 mm
Operating range	0 ... 10 m

## Part number code

Part designation: MLCxyy-za-hhhhei-ooo

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

x	Series
	3: MLC 300
	5: MLC 500

### Certifications

Degree of protection	IP 65
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### Classification


Customs tariff number	85365019
<b>ECLASS 5.1.4</b>	27272704
<b>ECLASS 8.0</b>	27272704
<b>ECLASS 9.0</b>	27272704
<b>ECLASS 10.0</b>	27272704
<b>ECLASS 11.0</b>	27272704
<b>ECLASS 12.0</b>	27272704
<b>ECLASS 13.0</b>	27272704
<b>ECLASS 14.0</b>	27272704
<b>ECLASS 15.0</b>	27272704
<b>ETIM 5.0</b>	EC002549
<b>ETIM 6.0</b>	EC002549
<b>ETIM 7.0</b>	EC002549
<b>ETIM 8.0</b>	EC002549
<b>ETIM 9.0</b>	EC002549
<b>ETIM 10.0</b>	EC002549

# Part number code

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

<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).