

Technical data sheet

Safety sensor set

Part no.: 426683

MLC510-30-1050-B






Contents

- Set consists of
- Technical data
- Part number code



Set consists of

	Quantity	Part no.	Designation	Article	Description
	2	429393	BT-2HF	Mounting bracket set	Contains: 2x BT-HF swivel mount, 1 cylinder for mounting on the light curtain Fastening, at system: Through-hole mounting Mounting bracket, at device: Clampable Type of mounting device: Turning, 360° Material: Metal, Plastic
	1	68000310	MLC500T30-1050	Safety light curtain transmitter	Resolution: 30 mm Protective field height: 1,050 mm Operating range: 0 ... 10 m Connection: Connector, M12, Metal, 5 -pin
	1	68001310	MLC510R30-1050	Safety light curtain receiver	Function package: Basic Resolution: 30 mm Protective field height: 1,050 mm Response time: 10 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 Range reduction Transmission channel changeover
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Characteristic parameters

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

Protective field data

Resolution	30 mm
Protective field height	1,050 mm
Operating range	0 ... 10 m

Mechanical data

Net weight	3,570 g
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Certifications

Degree of protection	IP 65
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Classification

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
UNSPSC 26.08	46171620

Part number code

Part designation: MLCxyy-za-hhhhei-ooo

MLC **Safety light curtain**

x	Series 3: MLC 300 5: MLC 500
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Part number code

MLC **Safety light curtain**

yy	Function classes 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
z	Device type T: transmitter R: receiver
a	Resolution 14: 14 mm 20: 20 mm 30: 30 mm 40: 40 mm 90: 90 mm
hhhh	Protective field height 150 ... 3000: from 150 mm to 3000 mm
e	Host/Guest (optional) H: Host MG: Middle Guest G: Guest
i	Interface (optional) /A: AS-i
ooo	Option /V: high Vibration-proof EX2: explosion protection (zones 2 + 22) SPG: Smart Process Gating SPG RR: Smart Process Gating – Reduced resolution

Note

	<p>A list with all available device types can be found on the Leuze website at www.leuze.com.</p>
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