Technical data sheet

Safety sensor set

Part no.: 426671

MLC510-14-600-B

For Illustration purposes only

Contents

The Sensor People

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eng • 2026-02-09

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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	68000106	MLC500T14-600	Safety light curtain transmitter	Resolution: 14 mm Protective field height: 600 mm Operating range: 0 ... 6 m Connection: Connector, M12, Metal, 5 -pin
1	68001106	MLC510R14-600	Safety light curtain receiver	Function package: Basic Resolution: 14 mm Protective field height: 600 mm Response time: 14 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_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	14 mm
Protective field height	600 mm
Operating range	0 ... 6 m

Mechanical data

Net weight	1,785 g

Certifications

Degree of protection	IP 65

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

Part number code

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

MLC	**Safety light curtain**
x	**Series** 3: MLC 300 5: MLC 500

Part number code

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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
↳ A list with all available device types can be found on the Leuze website at www.leuze.com.