



the sensor people



Part no.: 68002221 MLC520R20-2100 Safety light curtain receiver















Figure can vary

Contents

- · Technical data
- Dimensioned drawings
- Electrical connection
- Circuit diagrams
- Operation and display
- Suitable transmitters
- · Part number code
- Notes
- Accessories



Technical data

Series MLC 500 Device type Receiver Contains 2x BT-NC siding block Application Hand protection Functions Function package Standard Functions Contactor monitoring (EDM) Startification interiox (RES) Startification interiox (RES) Transmission channel changeover Transmission channel changeover Characteristic parameters Type Type 4 , IEC/EN 81496 SIL 3 , IEC 61508 SILL 3 , IEC/EN 82061 Performance Level (PL) e , EN ISO 13849-1 PFHp 7,735-09 per hour Mission time Tim 20 years , EN ISO 13849-1 Category 4 , EN ISO 13849 Protective field data Resolution 20 mm Protective field height 2,100 mm Protective field height Synchronization Optical between transmitter and receiver Electrical data Synchronization Optical between transmitter and receiver Electrical dat	Basic data	
Device type		MI C 500
Contains 2x BT-NC sliding block Application Hand protection Functions Function package Standard Functions Contactor monitoring (EDM) Startrestart interfock (RES) Transmission channel changeover Characteristic parameters Type 4, IEC/EN 61496 SIL 3, IEC 61508 SILC 3, IEC/EN 62061 Performance Level (PL) e, EN ISO 13849-1 PFHg 7,735-09 per hour Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849 Protective field data Resolution 20 mm Protective field height 2,100 mm Cptical data Synchronization Optical between transmitter and receiver Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs Switching voltage logh, min. 18 V Switching voltage logh, min. Switching voltage logh, min. Switching voltage logh, min. Switching voltage (byp. max) Switching voltage (byp. max) Switching voltage (byp. max) Switching voltage (byp. max) Switching voltage, byp. 22.5 V		
Application Hand protection Functions Function package Standard Contactor monitoring (EDM) Startrestar interlock (RES) Transmission channel changeover Characteristic parameters Type 4. IEC/EN 61496 SIL 3. IEC 61508 SILC 3. IEC 61508 SILC 3. IEC 61508 SILC 4. EN ISO 13849-1 Performance Level (PL) e. EN ISO 13849-1 PFHp 7.73E-09 per hour Mission time TM 20 years , EN ISO 13849-1 Category 4. EN ISO 13849 Protective field data Resolution 20 mm Protective field height 2,100 mm Cptical data Synchronization Optical between transmitter and receiver Performance data Supply voltage Ug 24 V , DC , -20 20 % Current consumption, max 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs Switching voltage logh, min. 18 V Switching voltage, lyp. 22.5 V		
Functions Function package Functions Contactor monitoring (EDM) Start/restart interlock (RES) Transmission channel changeover Characteristic parameters Type 4. IEC/EN 61496 SIL 3. IEC 61508 SILC 3. IEC 61508 SILC 3. IEC 61508 SILC 4. EN ISO 13849-1 Performance Level (PL) 6. EN ISO 13849-1 PFIHp 7.73E-09 per hour Mission time TM 20 years , EN ISO 13849-1 Category 4. EN ISO 13849 Protective field date Resolution 20 mm Protective field height 2,100 mm Optical data Synchronization Optical data Synchronization Optical data Synchronization Optical data Supply voltage Us Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs Type Digital switching voltage ligh, min. Switching voltage low, max. 2. 5 V Switching voltage low, max. 2. 5 V Switching voltage low, max. 2. 5 V Switching voltage low, max. Switching voltage low, max. 2. 5 V Switching voltage low, max. Switching voltage low, max. 2. 5 V		
Function package Slandard Functions Contactor monitoring (EDM) Start/restail interlock (RES) Transmission channel changeover Characteristic parameters Type 4, IEC/EN 61496 SIL 3, IEC 61508 SILC 3, IEC 61508 SILC 3, IEC/EN 62061 Performance Level (PL) e, EN ISO 13849-1 PFHb 7,73E-09 per hour Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849 Protective field date Resolution 20 mm Protective field height 2,100 mm Coptical date Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Synchronization Overvoltage protection Short circuit protected Inputs Number of digital switching inputs 3 Piece(s) Switching violage ligh, min. 18 V Switching voltage low, max. 2,5 V	Application	Halla protestion
Function package Slandard Functions Contactor monitoring (EDM) Start/restail interlock (RES) Transmission channel changeover Characteristic parameters Type 4, IEC/EN 61496 SIL 3, IEC 61508 SILC 3, IEC 61508 SILC 3, IEC/EN 62061 Performance Level (PL) e, EN ISO 13849-1 PFHb 7,73E-09 per hour Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849 Protective field date Resolution 20 mm Protective field height 2,100 mm Coptical date Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Synchronization Overvoltage protection Short circuit protected Inputs Number of digital switching inputs 3 Piece(s) Switching violage ligh, min. 18 V Switching voltage low, max. 2,5 V		
Functions Contactor monitoring (EDM) Startrestant interlock (RES) Transmission channel changeover Characteristic parameters Type		
Startrestart interlock (RES) Transmission channel changeover Characteristic parameters Type		
Transmission channel changeover Characteristic parameters Type	Functions	Start/restart interlock (RES)
Type		
Type		
SIL	Characteristic parameters	
SILCL 3 , IEC/EN 62061 Performance Level (PL) e , EN ISO 13849-1 PFHp	Туре	4 , IEC/EN 61496
Performance Level (PL) e, EN ISO 13849-1 PFHD 7.73E-09 per hour Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849 Protective field data Resolution 20 mm Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V, DC, -20 20 % Current consumption, max. 150 mA Fuse 1puts Number of digital switching inputs 3 Piece(s) Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	SIL	3 , IEC 61508
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 20 mm Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V	SILCL	3 , IEC/EN 62061
Mission time TM 20 years , EN ISO 13849-1 Category 4 , EN ISO 13849 Protective field data Resolution 20 mm Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage low, max. 2.5 V	Performance Level (PL)	e , EN ISO 13849-1
Category 4 , EN ISO 13849 Protective field data Resolution 20 mm Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 12 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage low, max. 2.5 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	PFH_D	7.73E-09 per hour
Protective field data Resolution 20 mm Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage low, max. 2.5 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Mission time T _M	20 years , EN ISO 13849-1
Resolution 20 mm Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage low, max. 2.5 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Category	4 , EN ISO 13849
Resolution 20 mm Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage low, max. 2.5 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V		
Protective field height 2,100 mm Optical data Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs Type Digital switching input Switching voltage low, max. Switching voltage low, max. Switching voltage, typ. 22.5 V	Protective field data	
Optical data Synchronization Optical between transmitter and receiver Electrical data Overvoltage protection Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Resolution	20 mm
Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Protective field height	2,100 mm
Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V		
Synchronization Optical between transmitter and receiver Electrical data Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Optical data	
Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs Type Digital switching input Switching voltage high, min. Switching voltage low, max. Switching voltage, typ. 24 V , DC , -20 20 % 24 V , DC , -20 20 % Digital switching input Digital switching input 18 V Switching voltage low, max. 2.5 V Switching voltage, typ.		Optical between transmitter and receiver
Protective circuit Overvoltage protection Short circuit protected Performance data Supply voltage UB Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs Type Digital switching input Switching voltage high, min. Switching voltage low, max. Switching voltage, typ. 24 V , DC , -20 20 % 24 V , DC , -20 20 % Digital switching input Digital switching input 18 V Switching voltage low, max. 2.5 V Switching voltage, typ.		
Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Electrical data	
Short circuit protected Performance data Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Protective circuit	Overvoltage protection
Supply voltage UB 24 V , DC , -20 20 % Current consumption, max. 150 mA Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V		Short circuit protected
Current consumption, max. Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V		
Fuse 2 A semi time-lag Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Supply voltage U _B	24 V , DC , -20 20 %
Inputs Number of digital switching inputs 3 Piece(s) Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Current consumption, max.	150 mA
Number of digital switching inputs Switching inputs Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Fuse	2 A semi time-lag
Switching inputsTypeDigital switching inputSwitching voltage high, min.18 VSwitching voltage low, max.2.5 VSwitching voltage, typ.22.5 V	Inputs	
Type Digital switching input Switching voltage high, min. 18 V Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Number of digital switching inputs	3 Piece(s)
Switching voltage high, min.18 VSwitching voltage low, max.2.5 VSwitching voltage, typ.22.5 V	Switching inputs	
Switching voltage low, max. 2.5 V Switching voltage, typ. 22.5 V	Туре	Digital switching input
Switching voltage, typ. 22.5 V	Switching voltage high, min.	18 V
	Switching voltage low, max.	2.5 V
Voltage type DC	Switching voltage, typ.	22.5 V
	Voltage type	DC



Outputs			
Number of safety-related switching outputs (OSSDs)	2 Piece(s)		
Safety-related switching outputs			
Туре	Safety-related switching output OSSD		
Switching voltage high, min.	18 V		
Switching voltage low, max.	2.5 V 22.5 V		
Switching voltage, typ.			
Voltage type	DC		
Current load, max.	380 mA 2,000 μH		
Load inductivity			
Load capacity	0.3 μF		
Residual current, max.	0.2 mA		
Residual current, typ.	0.002 mA		
Voltage drop	1.5 V		
Safety-related switching output 1			
Assignment	Connection 1, pin 5		
Switching element	Transistor , PNP		
Safety-related switching output 2			
Assignment	Connection 1, pin 6		
Switching element	Transistor , PNP		
ning			
sponse time	36 ms		
start delay time	100 ms		
onnection			
mber of connections	1 Piece(s)		
	1 Piece(s)		
mber of connections	1 Piece(s) Connector		
mber of connections Connection 1			
mber of connections Connection 1 Type of connection	Connector		
mber of connections Connection 1 Type of connection Function	Connector Machine interface		
mber of connections Connection 1 Type of connection Function Thread size	Connector Machine interface M12		
mber of connections Connection 1 Type of connection Function Thread size Material	Connector Machine interface M12 Metal		
mber of connections Connection 1 Type of connection Function Thread size Material No. of pins	Connector Machine interface M12 Metal		
mber of connections Connection 1 Type of connection Function Thread size Material No. of pins Cable properties	Connector Machine interface M12 Metal 8 -pin		
mber of connections Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ.	Connector Machine interface M12 Metal 8 -pin 0.25 mm²		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max.	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max.	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max. Permissible cable resistance to load, max.	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max. Permissible cable resistance to load, max.	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m 200 Ω		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max. Permissible cable resistance to load, max.	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m 200 Ω		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max. Permissible cable resistance to load, max.	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m 200 Ω 29 mm x 2,166 mm x 35.4 mm Metal , Aluminum		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max. Permissible cable resistance to load, max. Cachanical data mension (W x H x L) using material ms cover material atterial of end caps	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m 200 Ω 29 mm x 2,166 mm x 35.4 mm Metal , Aluminum Plastic / PMMA Diecast zinc		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max. Permissible cable resistance to load, max. Achanical data mension (W x H x L) susing material sterial of end caps st weight	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m 200 Ω 29 mm x 2,166 mm x 35.4 mm Metal , Aluminum Plastic / PMMA Diecast zinc 2,250 g		
Connection 1 Type of connection Function Thread size Material No. of pins Cable properties Permissible conductor cross section, typ. Length of connection cable, max. Permissible cable resistance to load, max. Cachanical data mension (W x H x L) using material ms cover material atterial of end caps	Connector Machine interface M12 Metal 8 -pin 0.25 mm² 100 m 200 Ω 29 mm x 2,166 mm x 35.4 mm Metal , Aluminum Plastic / PMMA Diecast zinc		



Type of display	7-segment display LED
Number of LEDs	2 Piece(s)

Environmental data	
Ambient temperature, operation	-30 55 °C
Ambient temperature, storage	-30 70 °C
Relative humidity (non-condensing)	0 95 %

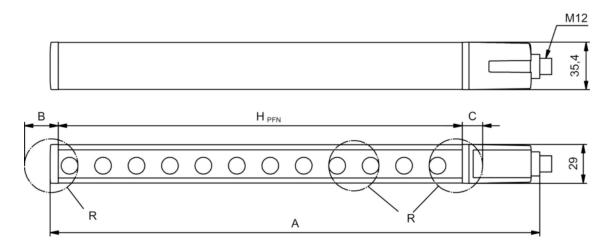
Certifications		
Degree of protection	IP 65	
Protection class	III	
Certifications	c CSA US c TÜV NRTL US S Mark TÜV Süd	
Vibration resistance	50 m/s²	
Shock resistance	100 m/s²	
US patents	US 6,418,546 B	

Classification	
Customs tariff number	85365019
eCl@ss 8.0	27272704
eCl@ss 9.0	27272704
ETIM 5.0	EC002549
ETIM 6.0	EC002549

Dimensioned drawings

All dimensions in millimeters

Calculation of the effective protective field height Hpfe = Hpfn + B + C



HPFE Effective protective field height = 2117 mm HPFN Nominal protective field height = 2100 mm

A Total height = 2166 mm

B 7 mm

C 10 mm

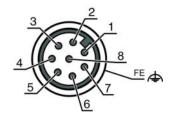


R Effective protective field height HPFE goes beyond the dimensions of the optics area to the outer borders of the circles labeled with R.

Electrical connection

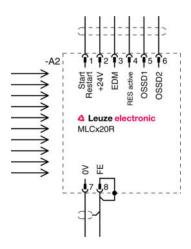
Connection 1	
Type of connection	Connector
Function	Machine interface
Thread size	M12
Туре	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded
Connector housing	FE/SHIELD

Pin	Pin assignment	Conductor color
1	IO1	White
2	VIN1	Brown
3	IN3	Green
4	IN4	Yellow
5	OSSD1	Gray
6	OSSD2	Pink
7	VIN2	Blue
8	IN8	Red



Circuit diagrams

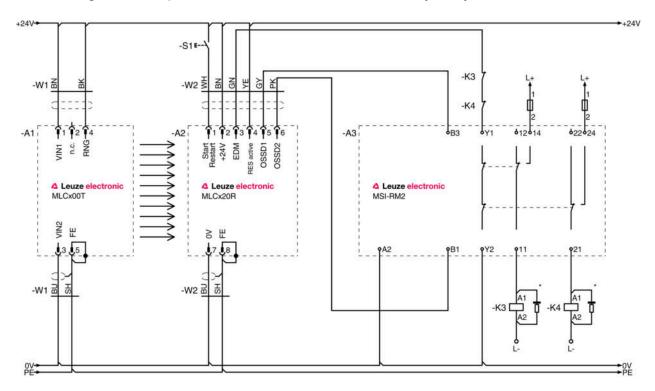
Connection diagram receiver



- VIN1 = +24 V, VIN2 = 0 V: transmission channel C1
- VIN1 = 0 V, VIN2 = +24 V: transmission channel C2



Circuit diagram example with downstream MSI-RM2 safety relay



Operation and display

LEDs

LED	Display	Meaning
1	Off	Device switched off
	Red, continuous light	OSSD off
	Red, flashing, 1 Hz	External error
	Red, flashing, 10 Hz	Internal error
	Green, flashing, 1 Hz	OSSD on, weak signal
	Green, continuous light	OSSD on
2	Off	RES deactivated or RES activated and enabled or RES blocked and protective field interrupted
	Yellow, continuous light	RES activated and blocked but ready to be unlocked - protective field free and linked sensor is enabled if applicable

Suitable transmitters

Part no.	Designation	Article	Description
68000221	MLC500T20-2100	Safety light curtain transmitter	Resolution: 20 mm Protective field height: 2,100 mm Operating range: 0 15 m Connection: Connector, M12, Metal, 5 -pin



Part number code

Part designation: MLCxyy-za-hhhhei-ooo

MLC	Safety light curtain
х	Series: 3: MLC 300 5: MLC 500
уу	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
z	Device type: T: transmitter R: receiver
а	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
е	Host/Guest (optional): H: Host MG: Middle Guest G: Guest
i	Interface (optional): /A: AS-i
000	Option: /V: high Vibration-proof EX2: explosion protection (zones 2 + 22) SPG: Smart Process Gating

Note

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

Notes

Observe intended use!

- The product may only be put into operation by competent persons.
- Only use the product in accordance with its intended use.

Accessories

Connection technology - Connection cables

Part no.	Designation	Article	Description
50135128	KD S-M12-8A- P1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 8 -pin Connection 2: Open end Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR

Leuze electronic GmbH + Co. KG, In der Braike 1, 73277 Owen Phone: +49 7021 573-0, Fax: +49 7021 573-199



Mounting technology - Swivel mounts

	Part no.	Designation	Article	Description
P.C.	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

Services

Part no.	Designation	Article	Description
S981050	CS40-I-140	Safety inspection "Safety light barriers"	Details: Checking of a safety light barrier application in accordance with current standards and guidelines. Inclusion of the device and machine data in a database, production of a test log per application. Conditions: It must be possible to stop the machine, support provided by customer's employees and access to the machine for Leuze employees must be ensured. Restrictions: Travel costs and accommodation expenses charged separately and according to expenditure.
S981046	CS40-S-140	Start-up support	Details: For safety devices including stopping time measurement and initial inspection. Conditions: Devices and connection cables are already mounted, price not including travel costs and, if applicable, accommodation expenses. Restrictions: Max. 2 h., no mechanical (mounting) and electrical (wiring) work performed, no changes (attachments, wiring, programming) to third-party components in the nearby environment.

Note

A list with all available accessories can be found on the Leuze electronic website in the Download tab of the article detailed page.