

MLC 500 Type 4 safety light curtains



General characteristics MLC 500

Type 4 / Cat. 4, PL e / SIL 3
Resolution [mm] 14, 20, 30, 40, 90
Protective field height 150 – 3,000 mm
Response time 3 – 64 ms
Operating range, maximum 6 – 20 meter
Connection type M12

Function class	MLC510	MLC520	MLC530	MLC530SPG
	Basic	Standard	Extended	Smart Process Gating
Range reduction on the transmitter	X	X	X	X
Switchable transmission channels	X	X	X	X
LED indicators	X	X	X	X
7-segment display w/ integrated alignment aid	-	X	X	X
Automatic start/restart	X	X	X	-
Start/restart interlock (RES)	-	X	X	X
Contacting monitoring (EDM)	-	X	-	-
Beam blanking, fixed or floating	-	-	X	X
Muting function, integrated	-	-	X	X
Device linking (safety switch or OSSDs)	-	-	X	-
Scan modes (DoubleScan, MaxiScan)	-	-	X	-
Versions for special applications				
Cascadable up to 3 devices	-	X	-	-
AIDA version	X	-	-	-
AS-i Safety interface	X	-	-	-
⚠ marking EN60079 (group II, cat. 3D and 3G)	-	X	-	-
Protection classes IP67/IP69K (mounted in tube)	X	-	-	-
Extra shock / vibration resistant	X	X	X	-

*Ask about our Single/Multi-Beam Safety Devices for Access Guarding or Safety Scanners for Area Guarding

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GREAT LAKES®
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A MEMBER OF THE KENDALL GROUP

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**ASSEMBLED IN
MICHIGAN**

Leuze Electronic Light Curtains
Safety at Work

*think modular * easy handling * power reserve*

**2 YEAR
WARRANTY**

MLC510 basic series / MLC520 has 7 segment display & EDM / MLC530 has 7 segment display & Blanking & Muting

	Length mm	MLC510 Receiver Basic Function	MLC520 Receiver Standard Function	MLC530 Receiver Extended Function	MLC500 Emitter for MLC510R/520R/530R
Resolution 14mm Range 0-6meters	150	MLC510R14-150	MLC520R14-150	MLC530R14-150	MLC500T14-150
	300	MLC510R14-300	MLC520R14-300	MLC530R14-300	MLC500T14-300
	450	MLC510R14-450	MLC520R14-450	MLC530R14-450	MLC500T14-450
	600	MLC510R14-600	MLC520R14-600	MLC530R14-600	MLC500T14-600
	750	MLC510R14-750	MLC520R14-750	MLC530R14-750	MLC500T14-750
	900	MLC510R14-900	MLC520R14-900	MLC530R14-900	MLC500T14-900
	1050	MLC510R14-1050	MLC520R14-1050	MLC530R14-1050	MLC500T14-1050
	1200	MLC510R14-1200	MLC520R14-1200	MLC530R14-1200	MLC500T14-1200
	1350	MLC510R14-1350	MLC520R14-1350	MLC530R14-1350	MLC500T14-1350
	1500	MLC510R14-1500	MLC520R14-1500	MLC530R14-1500	MLC500T14-1500
	1650	MLC510R14-1650	MLC520R14-1650	MLC530R14-1650	MLC500T14-1650
	1800	MLC510R14-1800	MLC520R14-1800	MLC530R14-1800	MLC500T14-1800
	1950	MLC510R14-1950	MLC520R14-1950	MLC530R14-1950	MLC500T14-1950
	2100	MLC510R14-2100	MLC520R14-2100	MLC530R14-2100	MLC500T14-2100
	2250	MLC510R14-2250	MLC520R14-2250	MLC530R14-2250	MLC500T14-2250
	2400	MLC510R14-2400	MLC520R14-2400	MLC530R14-2400	MLC500T14-2400
	2550	MLC510R14-2550	MLC520R14-2550	MLC530R14-2550	MLC500T14-2550
	2700	MLC510R14-2700	MLC520R14-2700	MLC530R14-2700	MLC500T14-2700
Resolution 30mm Range 0-9meters	2850	MLC510R14-2850	MLC520R14-2850	MLC530R14-2850	MLC500T14-2850
	3000	MLC510R14-3000	MLC520R14-3000	MLC530R14-3000	MLC500T14-3000
	150	MLC510R30-150	MLC520R30-150	MLC530R30-150	MLC500T30-150
	225	MLC510R30-225	MLC520R30-225	MLC530R30-225	MLC500T30-225
	300	MLC510R30-300	MLC520R30-300	MLC530R30-300	MLC500T30-300
	450	MLC510R30-450	MLC520R30-450	MLC530R30-450	MLC500T30-450
	600	MLC510R30-600	MLC520R30-600	MLC530R30-600	MLC500T30-600
	750	MLC510R30-750	MLC520R30-750	MLC530R30-750	MLC500T30-750
	900	MLC510R30-900	MLC520R30-900	MLC530R30-900	MLC500T30-900
	1050	MLC510R30-1050	MLC520R30-1050	MLC530R30-1050	MLC500T30-1050
	1200	MLC510R30-1200	MLC520R30-1200	MLC530R30-1200	MLC500T30-1200
	1350	MLC510R30-1350	MLC520R30-1350	MLC530R30-1350	MLC500T30-1350
	1500	MLC510R30-1500	MLC520R30-1500	MLC530R30-1500	MLC500T30-1500
	1650	MLC510R30-1650	MLC520R30-1650	MLC530R30-1650	MLC500T30-1650
	1800	MLC510R30-1800	MLC520R30-1800	MLC530R30-1800	MLC500T30-1800
	1950	MLC510R30-1950	MLC520R30-1950	MLC530R30-1950	MLC500T30-1950
	2100	MLC510R30-2100	MLC520R30-2100	MLC530R30-2100	MLC500T30-2100
	2250	MLC510R30-2250	MLC520R30-2250	MLC530R30-2250	MLC500T30-2250
2400	MLC510R30-2400	MLC520R30-2400	MLC530R30-2400	MLC500T30-2400	
2550	MLC510R30-2550	MLC520R30-2550	MLC530R30-2550	MLC500T30-2550	
2700	MLC510R30-2700	MLC520R30-2700	MLC530R30-2700	MLC500T30-2700	
2850	MLC510R30-2850	MLC520R30-2850	MLC530R30-2850	MLC500T30-2850	
3000	MLC510R30-3000	MLC520R30-3000	MLC530R30-3000	MLC500T30-3000	

Brackets sold separately
(2) BT-2HF - Standard Applications
(2) BT-2HF-S - High Vibration Applications

Cordsets for MLC500

KDS-M12-5A-P1-xxx

Cordsets for MLC510

KDS-M12-5A-P1-xxx

Cordsets for MLC520

KDS-M12-8A-P1-xxx

Cordsets for MLC530

KDS-M12-8A-P1-xxx

xxx= Length

020 = 2meter

050 = 5meter

100 = 10meter

250 = 25meter

500 = 50meter

Recommended Safety Relay

MLC510 Receivers

MSI-SR4B-01

MLC520 Receivers

MSI-RM2B-01

MLC530 Receivers

MSI-SR4B-01

MLC500-T14-900

Type / Function classes
500 / 510 / 520 / 530

Protective field height: 150 - 3000

Resolution: 14, 20, 30, 40, 90

T: Transmitter
R: Receiver

*Example

Accessories