

//MULTIPLE LIGHT BEAM SAFETY DEVICES

WHEN FUNCTIONALITY BECOMES ECONOMICAL

Multiple light beam safety devices with muting function ensure constant personnel protection (access guarding) with unobstructed material infeed, e. g., in conveyor systems. Options such as the integrated laser alignment aid, an integrated muting indicator and the patented swivel mount for easy fastening and alignment round out the program.

/// MLD 500 transmitter/receiver



This type 4 series can be used both for access guarding as well as for applications with muting. Through various function classes (MLD 510, 520, 530, 535), the optimum design can always be selected. Configuration via PC or DIP switch is not necessary.



PART NUMBER CODES – MLD 500, MLD 300 multiple light beam safety devices

M L D 3 0 0 T 2 L -

Type

MLD Multiple light beam safety device

Series

3 MLD 300
5 MLD 500

Function

00 Transmitter
10 Automatic restart
12 External testing (MLD 300 only)
20 Start/restart interlock selectable, contactor monitoring selectable
30 2-sensor muting (timing controlled, sequence controlled)
35 4-sensor muting (timing controlled)

Device type

T Transmitter
R Receiver
RT Transceiver
xT Transmitter for high range
xR Receiver for high range

No. of beams

2 2-beam
3 3-beam
4 4-beam

Option

L Integrated laser alignment aid
M Integrated indicator
E Connection socket for external muting indicator (AS-i models only)

Safety-related switching outputs (OSSD), connection system

- Transistor output, M12 plug
A Integrated AS-i interface, M12 plug, (safety bus system)

MLD 530

Many functions, such as start/restart interlock, contactor monitoring, timing controlled 2-sensor muting and sequence controlled 2-sensor muting, ensure great flexibility.

Benefits:

- The configuration is simply performed by means of wiring, i.e. no software, PC or DIP switch are necessary
- Use at ambient temperatures as low as -30°C is possible
- Start/restart interlock (RES), selectable
- Contactor monitoring (EDM), selectable
- Configurable operating modes
- Integrated muting function, no additional muting module is necessary
- 2-sensor muting, (timing controlled, sequence controlled)
- Options: integrated muting indicator, 7-segment display

Part no.	Part description	Beam spacing	Number of beams	Operating range	Connection	Design
66567100	► MLD530-RT2	500 mm	2x	0.5 ... 8 m	Connector, M12, 8-pin, metal	
66500100	◄ MLD-M002	500 mm	2x			
66568100	► MLD530-RT2M	500 mm	2x	0.5 ... 8 m	Connector, M12, 8-pin, metal	Integrated muting indicator, integrated status indicator
66500100	◄ MLD-M002	500 mm	2x			
66567200	► MLD530-RT3	400 mm	3x	0.5 ... 6 m	Connector, M12, 8-pin, metal	
66500200	◄ MLD-M003	400 mm	3x	0.5 ... 6 m		
66500201	◄ MLD-XM03	400 mm	3x	0.5 ... 8 m		
66568200	► MLD530-RT3M	400 mm	3x	0.5 ... 6 m	Connector, M12, 8-pin, metal	Integrated muting indicator, integrated status indicator
66500200	◄ MLD-M003	400 mm	3x	0.5 ... 6 m		
66500201	◄ MLD-XM03	400 mm	3x	0.5 ... 8 m		

► Transceiver / ◄ Deflect. mirror
Included in delivery: sliding blocks

MLD 535

Through extensive functions, such as start/restart interlock, contactor monitoring, timing controlled 2-sensor muting, sequence controlled 2-sensor muting and timing controlled 4-sensor muting, these multiple light beam safety devices can be used in different areas.

Benefits:

- The configuration is simply performed by means of wiring, i.e. no software, PC or DIP switch are necessary
- Use at ambient temperatures as low as -30°C is possible
- Start/restart interlock (RES), selectable
- Contactor monitoring (EDM), selectable
- Configurable operating modes
- Integrated muting function, no additional muting module is necessary
- 2-sensor muting, (timing controlled, sequence controlled)
- Timing controlled 4-sensor muting
- Options: integrated muting indicator, 7-segment display

Part no.	Part description	Beam spacing	Number of beams	Operating range	Connection	Design
66577100	► MLD535-RT2	500 mm	2x	0.5 ... 8 m	Connector, M12, 8-pin, metal	
66500100	◄ MLD-M002	500 mm	2x			
66578100	► MLD535-RT2M	500 mm	2x	0.5 ... 8 m	Connector, M12, 8-pin, metal	Integrated muting indicator, integrated status indicator
66500100	◄ MLD-M002	500 mm	2x			
66577200	► MLD535-RT3	400 mm	3x	0.5 ... 6 m	Connector, M12, 8-pin, metal	
66500200	◄ MLD-M003	400 mm	3x	0.5 ... 6 m		
66500201	◄ MLD-XM03	400 mm	3x	0.5 ... 8 m		
66578200	► MLD535-RT3M	400 mm	3x	0.5 ... 6 m	Connector, M12, 8-pin, metal	Integrated muting indicator, integrated status indicator
66500200	◄ MLD-M003	400 mm	3x	0.5 ... 6 m		
66500201	◄ MLD-XM03	400 mm	3x	0.5 ... 8 m		

► Transceiver / ◄ Deflect. mirror
Included in delivery: sliding blocks

Switching sensors

Measuring sensors

Products for safety at work

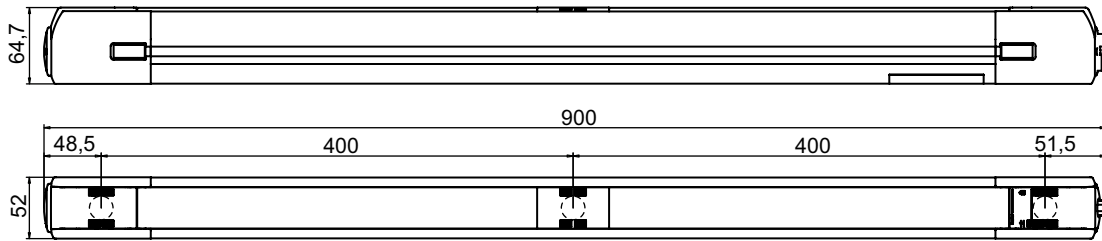
Identification

Data transmission / Control components

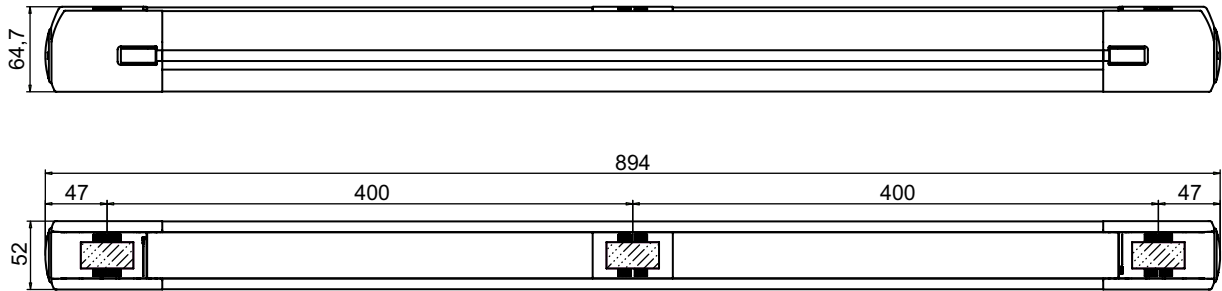
Industrial image processing

Accessories

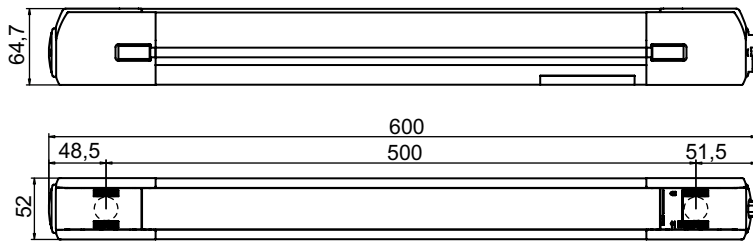
Dimensioned drawings: MLD 500 Transceiver



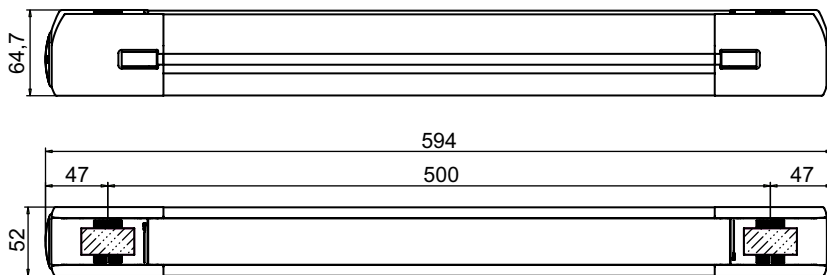
MLD 500 multiple light beam safety device, 3-beam, Transceiver



MLD-M multiple light beam safety device, 3-beam, deflecting mirror



MLD 500 multiple light beam safety device, 2-beam, Transceiver



MLD-M multiple light beam safety device, 2-beam, deflecting mirror