

/// MLD 500 Transceiver



With this type 4 design, all active components, such as transmitter, receiver and the integrated evaluation unit, are contained in a common housing. This reduces wiring considerably.



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

MLD 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)

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

MLD 510

These multiple light beam safety devices are equipped with an automatic restart.

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
- Options: integrated muting indicator

Industrial image processing

Part no.	Part description	Beam spacing	Number of beams	Operating range	Connection	Design
66537100	▶ MLD510-RT2	500 mm	2x	0.5 ... 8 m	Connector, M12, 5-pin, metal	
66500100	◀ MLD-M002	500 mm	2x			
66537101	▶ MLD510-RT2/A	500 mm	2x	0.5 ... 8 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work
66500100	◀ MLD-M002	500 mm	2x			

▶ Transceiver / ◀ Deflect. mirror
Included in delivery: sliding blocks

Accessories

Part no.	Part description	Beam spacing	Number of beams	Operating range	Connection	Design
66537102	▶ MLD510-RT2E/A	500 mm	2x	0.5 ... 8 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work, connection socket for external muting indicator
66500100	◀ MLD-M002	500 mm	2x			
66538101	▶ MLD510-RT2M/A	500 mm	2x	0.5 ... 8 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work, integrated muting indicator, integrated status indicator
66500100	◀ MLD-M002	500 mm	2x			
66538102	▶ MLD510-RT2ME/A	500 mm	2x	0.5 ... 8 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work, integrated muting indicator, integrated status indicator, connection socket for external muting indicator
66500100	◀ MLD-M002	500 mm	2x			
66537200	▶ MLD510-RT3	400 mm	3x	0.5 ... 6 m	Connector, M12, 5-pin, metal	
66500200	◀ MLD-M003	400 mm	3x	0.5 ... 6 m		
66500201	◀ MLD-XM03	400 mm	3x	0.5 ... 8 m		
66537201	▶ MLD510-RT3/A	400 mm	3x	0.5 ... 6 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work
66500200	◀ MLD-M003	400 mm	3x	0.5 ... 6 m		
66500201	◀ MLD-XM03	400 mm	3x	0.5 ... 8 m		
66537202	▶ MLD510-RT3E/A	400 mm	3x	0.5 ... 6 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work, connection socket for external muting indicator
66500200	◀ MLD-M003	400 mm	3x	0.5 ... 6 m		
66500201	◀ MLD-XM03	400 mm	3x	0.5 ... 8 m		
66538201	▶ MLD510-RT3M/A	400 mm	3x	0.5 ... 6 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work, 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		
66538202	▶ MLD510-RT3ME/A	400 mm	3x	0.5 ... 6 m	Connector, M12, 5-pin, metal	AS-Interface Safety at Work, integrated muting indicator, integrated status indicator, connection socket for external muting 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 520

These multiple light beam safety devices offer a selectable start/restart interlock (RES) and contactor monitoring (EDM).

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
- Options: integrated status indicator

Part no.	Part description	Beam spacing	Number of beams	Operating range	Connection	Design
66557100	▶ MLD520-RT2	500 mm	2x	0.5 ... 8 m	Connector, M12, 8-pin, metal	
66500100	◀ MLD-M002	500 mm	2x			
66558100	▶ MLD520-RT2M	500 mm	2x	0.5 ... 8 m	Connector, M12, 8-pin, metal	Integrated status indicator
66500100	◀ MLD-M002	500 mm	2x	0.5 ... 8 m		
66557200	▶ MLD520-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		
66558200	▶ MLD520-RT3M	400 mm	3x	0.5 ... 6 m	Connector, M12, 8-pin, metal	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 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

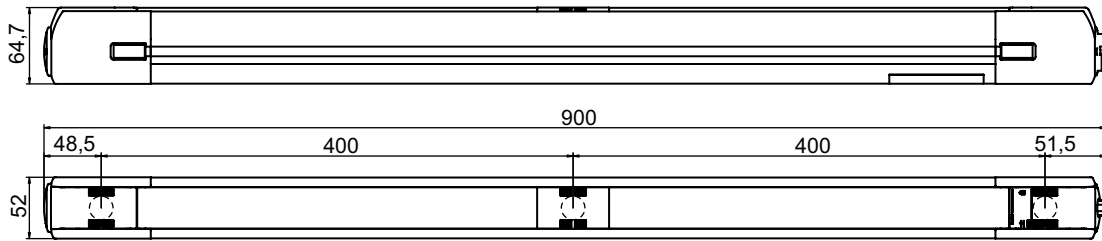
Identification

Data transmission / Control components

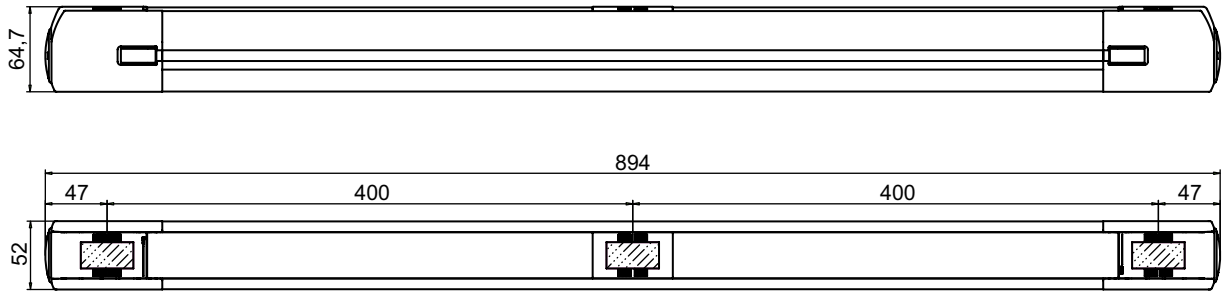
Industrial image processing

Accessories

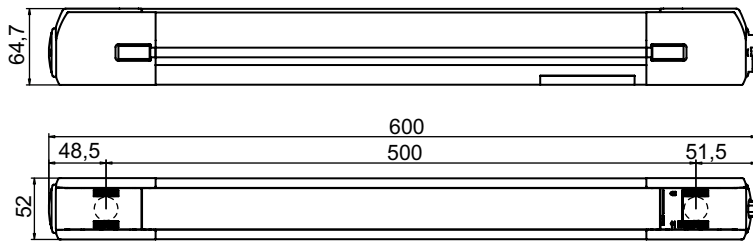
Dimensioned drawings: MLD 500 Transceiver



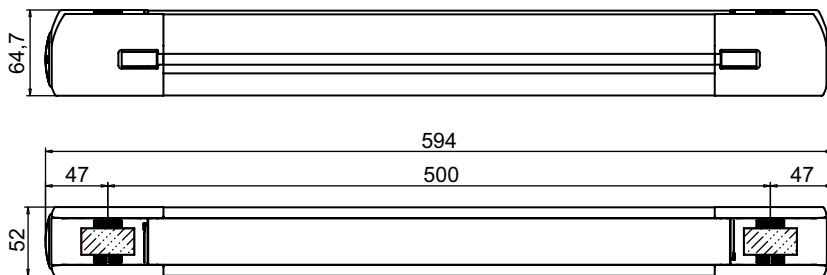
MLD 500 multiple light beam safety device, 3-beam, Transceiver



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