

## Technical data sheet

### Safety sensor set

Part no.: 66900024

MLDSET-M1-1600L

#### Contents

- Set consists of
- Technical data
- Notes
- Accessories



For illustration purposes only



## Set consists of

	Quantity	Part no.	Designation	Article	Description
	1	520151	AC-SCM5U-BT	Sensor connection module	Suitable for: MLD 330, MLD 530 multiple light beam safety devices Supply voltage: 24 V, DC, -20 ... 20 % Number of connections: 5 Piece(s) Connection: Cable with connector, M12, 500 mm Type of fastening: Mounting plate, Groove mounting
	1	66500100	MLD-M002	Deflecting mirror	Number of beams: 2 Piece(s) Beam spacing: 500 mm Type of fastening: Groove mounting, Mounting on Device Column, Swivel mount
	1	66568100	MLD530-RT2M	Multiple light beam safety device transceiver	Special version: Integrated muting indicator, Integrated status indicator Operating range: 0.5 ... 8 m Number of beams: 2 Piece(s) Beam spacing: 500 mm Response time: 50 ms Connection: Connector, M12, Metal, 8 -pin
	1	426526	Set-AC-MLX.2-2SA	Muting sensor set	Suitable for: MLD 500, MLD 300 multiple light beam safety devices Operating range: 0.05 ... 4 m Type of fastening: Supplied mounting bracket Type of muting sensors: PRK 25C retro-reflective photoelectric sensors Number of muting sensors: 2 Piece(s) Number of reflectors: 2 Piece(s)
	2	549853	UDC-1600-S2	Device column	Functions: Mounting and protection of light curtains and multiple light beam devices, Adjustable, 3 directions Column height without foot: 1,600 mm

## Technical data

### Basic data

Series	MLDSET
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### Special version

Special version	Integrated muting indicator
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### Functions

Functions	Alternative connection for second muting signal Contactor monitoring (EDM), selectable Muting enable function Muting-timeout extension Start/restart interlock (RES), selectable
Integrated laser alignment aid	No
Reflective element for laser alignment aid	No
Integrated muting indicator	Yes
Integrated status indicator	Yes
Muting type	Sequence controlled 2-sensor muting

### 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 <sub>D</sub>	6.6E-09 per hour
Mission time T <sub>M</sub>	20 years, EN ISO 13849-1
Category	4, EN ISO 13849

### Protective field data

Operating range	0 ... 8 m
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### Optical data

Number of beams	2 Piece(s)
Beam spacing	500 mm

### Mechanical data

Net weight	19,236 g
Type of muting sensors	PRK 25C retro-reflective photoelectric sensors
With device column	Yes
Number of muting sensors	2 Piece(s)
Column height without foot	1,600 mm

## Technical data

Customs tariff number	85365019
ECLASS 5.1.4	27272703
ECLASS 8.0	27272703
ECLASS 9.0	27272703
ECLASS 10.0	27272703
ECLASS 12.0	27272703
ECLASS 13.0	27272703
ECLASS 14.0	27272703
ECLASS 15.0	27272703
ECLASS 16.0	27272703
ETIM 5.0	EC001832
ETIM 6.0	EC001832
ETIM 7.0	EC001832
ETIM 8.0	EC001832
ETIM 9.0	EC001832
ETIM 10.0	EC001832

## Notes

<b>Observe intended use!</b>	
	<ul style="list-style-type: none"> <li>↪ The product may only be put into operation by competent persons.</li> <li>↪ Only use the product in accordance with its intended use.</li> </ul>

## Accessories

### Connection technology - Connection cables

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

Note	
	<ul style="list-style-type: none"> <li>↪ A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.</li> </ul>