

# Technical data sheet

## Safety sensor/transceiver set

Part no.: 426313  
MLD535-RT2M-UDC-1600-S2

### Contents

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For illustration purposes only



## Set consists of

|                                                                                                                                                                                                                                                       | Quantity | Part no. | Designation | Article                                       | Description                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | 1        | 520144   | AC-SCM7U-BT | Sensor connection module                      | Suitable for: MLD 335, MLD 535 multiple light beam safety devices<br>Supply voltage: 24 V, DC, -20 ... 20 %<br>Number of connections: 7 Piece(s)<br>Connection: Cable with connector, M12, 500 mm<br>Type of fastening: Mounting plate |
|                                                                                                                                                                                                                                                       | 1        | 66578100 | MLD535-RT2M | Multiple light beam safety device transceiver | Special version: Integrated muting indicator, Integrated status indicator<br>Operating range: 0.5 ... 8 m<br>Number of beams: 2 Piece(s)<br>Beam spacing: 500 mm<br>Response time: 50 ms<br>Connection: Connector, M12, Metal, 8 -pin  |
|                                                                                                                                                                                                                                                       | 1        | 549853   | UDC-1600-S2 | Device column                                 | Functions: Mounting and protection of light curtains and multiple light beam devices, Adjustable, 3 directions<br>Dimensions: 160 mm x 1,660 mm x 149 mm<br>Column height without foot: 1,600 mm                                       |

## Technical data

### Basic data

|             |             |
|-------------|-------------|
| Series      | MLD-UDC     |
| Device type | Transceiver |

### Special version

|                 |                             |
|-----------------|-----------------------------|
| Special version | Integrated muting indicator |
|-----------------|-----------------------------|

### Functions

|                                |                                                                                                                                                                                                                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Functions                      | Alternative connection for second muting signal<br>Configuration by means of wiring<br>Contactor monitoring (EDM), selectable<br>Muting enable function<br>Muting-timeout extension<br>Sequence controlled 2-sensor muting<br>Start/restart interlock (RES), selectable<br>Timing controlled 4-sensor muting |
| Integrated laser alignment aid | No                                                                                                                                                                                                                                                                                                           |
| Integrated muting indicator    | Yes                                                                                                                                                                                                                                                                                                          |
| Integrated status indicator    | Yes                                                                                                                                                                                                                                                                                                          |

### 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 | 0.5 ... 8 m |
|-----------------|-------------|

### Optical data

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

### Mechanical data

|                            |          |
|----------------------------|----------|
| With device column         | Yes      |
| Column height without foot | 1,600 mm |

### Certifications

### Classification

|                       |          |
|-----------------------|----------|
| 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 |
| ETIM 5.0              | EC001832 |
| ETIM 6.0              | EC001832 |
| ETIM 7.0              | EC001832 |
| ETIM 8.0              | EC001832 |
| ETIM 9.0              | EC001832 |
| ETIM 10.0             | EC001832 |

## Suitable deflecting mirrors

|                                                                                   | Part no. | Designation          | Article                                 | Description                                                                                                                               |
|-----------------------------------------------------------------------------------|----------|----------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | 905066   | MLD-M002-UDC-1600-S2 | Safety sensor/<br>deflecting mirror set | Series: MLD-UDC<br>Number of beams: 2 Piece(s)<br>Beam spacing: 500 mm<br>With device column: Yes<br>Column height without foot: 1,600 mm |

## 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<br>Connector, LED: No<br>Connection 2: Open end<br>Shielded: Yes<br>Cable length: 5.000 mm<br>Sheathing material: PUR |

#### Note



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