

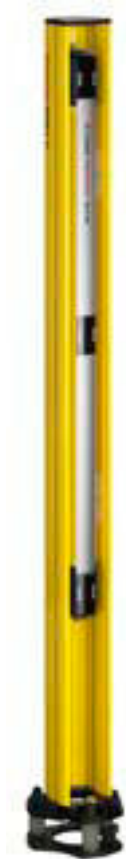
# Technical data sheet

## Safety sensor/transceiver set

Part no.: 426536  
MLD520-RT3-UDC-1600-S2

### Contents

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For illustration purposes only



## Set consists of

|                                                                                   | Quantity | Part no. | Designation | Article                                       | Description                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|----------|----------|-------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1        | 66557200 | MLD520-RT3  | Multiple light beam safety device transceiver | Operating range: 0.5 ... 6 m<br>Number of beams: 3 Piece(s)<br>Beam spacing: 400 mm<br>Response time: 25 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 |

### Functions

|                                |                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Functions                      | Configuration by means of wiring<br>Contactor monitoring (EDM), selectable<br>Start/restart interlock (RES), selectable |
| Integrated laser alignment aid | No                                                                                                                      |
| Integrated muting indicator    | No                                                                                                                      |
| Integrated status indicator    | No                                                                                                                      |

### 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 ... 6 m |
| Operating range in connection with MLD-XM03 | 0.5 ... 8 m |

### Optical data

|                 |            |
|-----------------|------------|
| Number of beams | 3 Piece(s) |
| Beam spacing    | 400 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                                                                                                                               |
|-------------------------------------------------------------------------------------|----------|----------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | 905068   | MLD-M003-UDC-1600-S2 | Safety sensor/deflecting mirror set | Series: MLD-UDC<br>Number of beams: 3 Piece(s)<br>Beam spacing: 400 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.