

UDC



Mountings columns for Safety Light Curtains and Multiple Light Beam Safety Devices

The mounting columns UDC are used in order to mount Leuze Multiple Light Beam Safety Devices and Safety Light Curtains in a freestanding position. Not only do they allow a precise vertical and axial alignment, but they also protect the sensors from damage.

The UDC-1000 can handle 2-beam COMPACT, COMPACT*plus*, ROBUST Multiple Light Beam Safety Devices or Safety Light Curtains with protected heights of up to 900 mm.

The UDC-1300 is designed for 3- or 4-beam Multiple Light Beam Safety Devices or Safety Light Curtains with protected heights of up to 1200 mm.

ISO
9001

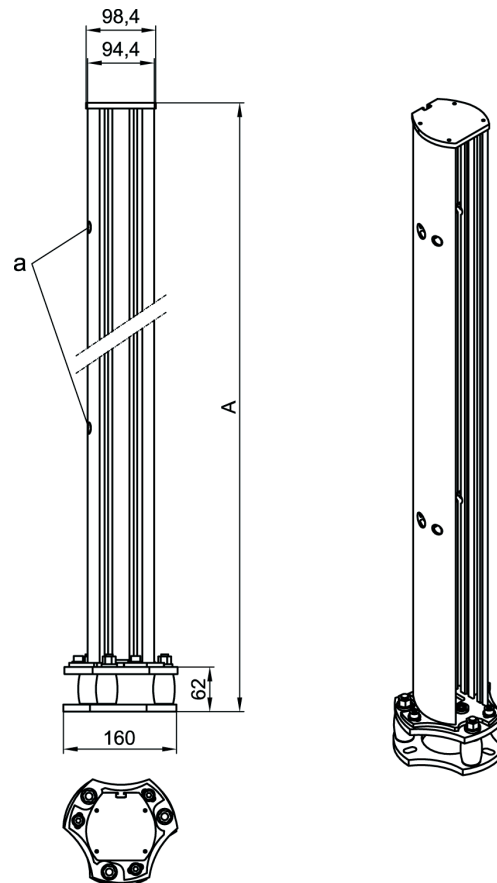
Special features

- Robust profile construction in an attractive design
- Special spring elements automatically reset the position in case of mechanical impacts
- Includes a complete assembly kit for both device and floor mounting
- Easy to mount; vertical and axial adjustment can be quickly completed in just a few steps

Areas of application

Free-standing floor mounting with Multiple Light Beam Safety Device COMPACT, COM-PACT*plus*, ROBUST or Safety Light Curtains COMPACT, COMPACT*plus*, SOLID or ECO with mounting profile.

Dimensional drawing



a = \varnothing 16 mm or \varnothing 22 mm (number of boreholes at the side is depending on column height)

Dimensional table

Type	Mea. A [mm]
UDC-1000	1060
UDC-1300	1360
UDC-1600	1660
UDC-1900	1960

Ordering information

Type	Art. no.
UDC-1000*	549810
UDC-1300*	549813
UDC-1600*	549816
UDC-1900*	549819

*) The protective mounting profile ECO (part no. see chapter "accessories") is necessary to mount ECO.

Accessories

Type	Art. no.
Protective mounting profile for ECO-150	426701
ECO-225	426702
ECO-300	426703
ECO-450	426704
ECO-600	426706
ECO-750	426707
ECO-900	426709
ECO-1050	426710
ECO-1200	426712
LA-78UDC, laser alignment aid for COMPACT, COMPACT <i>plus</i> and ROBUST in the UDC- or DC-column	520004
Cover plate open on top for outgoing cable or for oversized units, included in the scope of delivery	346172

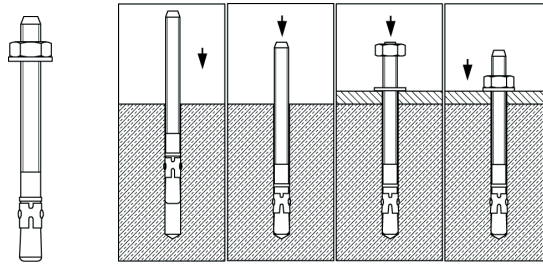
Mounting Instructions

Required parts and tools:

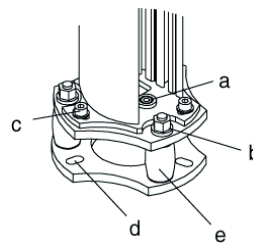
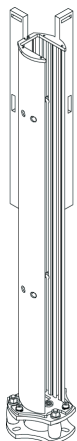
- Accessory set UDC (Part No. 430089, ..90, ..91; included in the scope of delivery with the UDC)
- 6 mm Allen-type wrench
- 10 mm socket wrench with max. 16 mm outside diameter
- 16 mm hexagonal wrench
- 17 mm hexagonal wrench
- Spirit level
- Electric drill with a 10 mm stone drill bit
- Laser alignment aid (recommended for multi-sided safeguarding and long-distance ranges): LA-78UDC (Part No. 520004) for COMPACT, COMPACT*plus* and ROBUST

Procedure:

1. Pre-mount the devices in the UDC device column. Use M6x8 screws (accessory set).
2. Determine the mid-points for mounting the columns by using the base plate and mark them on the floor.
3. Beginning at the mid-points, mark the connecting lines on the floor for a length of approx. 90 mm.
4. Place the drill template on each mid-point, orienting it according to the connecting lines. Mark the hole positions.
5. Drill mounting holes 80 mm deep and insert floor braces.



6. Set up the columns, screw them firmly into place, adjust roughly using the level (a) and make the electrical connection.
7. Using the adjustment screws (b), adjust the vertical position of the floor columns, checking the adjustment with the spirit level.



- a = level
- b = vertical adjustment screws
- c = Allen-type screws
- d = 3 drillings in the floor for floor braces (Ø 10 mm)
- e = plastics spring element with automatic retraction

8. Mount the laser alignment aid on top or at the bottom side of the device in the column and switch it on. Loosen the Allen-type screws (c). Rotate the column until the laser light spot hits the center of the adjacent column or deflection mirror. To do this loosen the screws for fixing the device in the column, align the device in the height and tighten the screws again. Then tighten the Allen-type screws again (c).
9. Switch on the devices and ensure that they are adjusted appropriately. Optimal adjustment has been achieved when neither the contamination indicator nor the weak signal indicator on the devices does light up.