

DC



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

The DC mounting columns are used in order to mount Leuze electronic Multiple Light Beam Safety Devices and Safety Light Curtains. They permit an exact vertical and axial alignment, and protect the sensors from accidental damage.

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

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

ISO
9001

Accessories

The MS-DC/MC installation kit is optionally available for floor fastening.

Including spring elements made of synthetic material, it allows vertical and axial alignment.

Included in the accessory set are the floor braces, the nuts M10 DIN 6331 and the screws M6x8 for fixing the device in the column.

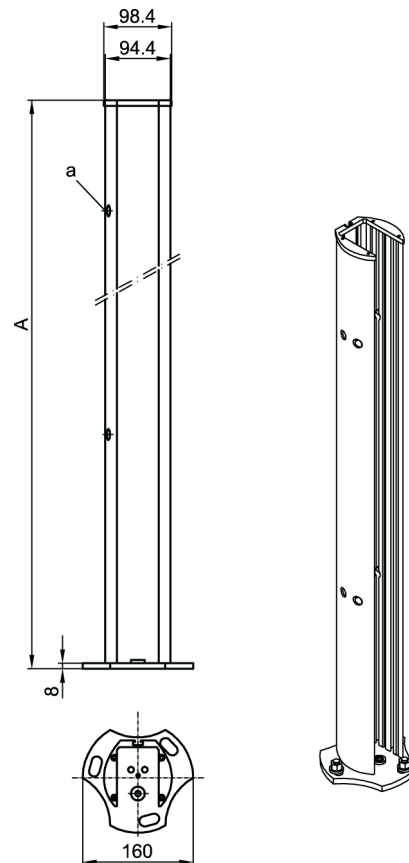
Special features

- Robust profile construction in an attractive design
- Easy to mount, adjustment can be quickly completed in just a few steps

Areas of application

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

Dimensional drawing



$a = \text{Ø } 16 \text{ mm}$ or $\text{Ø } 22 \text{ mm}$ (number of boreholes at the side depending on height of pillar)

Dimensional table

Type	Meas. A [mm]
DC-1000	1000
DC-1300	1200
DC-1600	1300
DC-1900	1900

Ordering information

Type	Art. no.
DC-1000*)	549410
DC-1300*)	549413
DC-1600*)	549416
DC-1900*)	549419

*) For the assembly of ECO, the ECO protection and assembly profile (part no. see chapter „accessories“) is required.

Accessories

Type	Art. no.
Protection and assembly 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, COMPACTplus and ROBUST in the UDC- or DC-column	520004

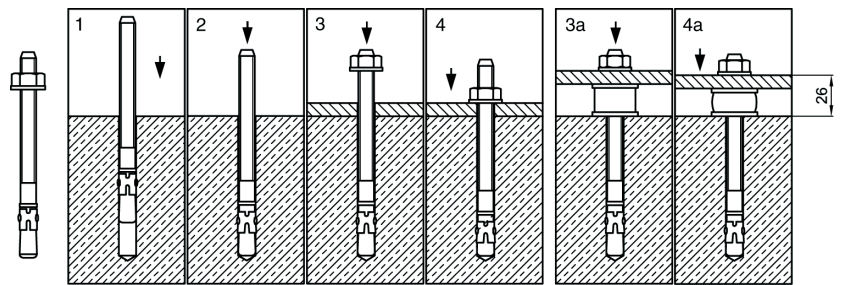
Mounting Instructions

Required parts and tools:

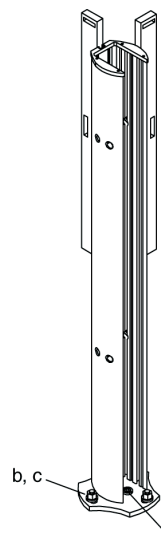
- In accessory set (Art. no. 430092); not included in delivery:
 - 3 floor braces, Würth M10-45/115
 - 3 nuts, M10 x 1,5 D
 - 2 screws, M6 x 8
- 6 mm Allen-type wrench
- 10 mm socket wrench with max. 16 mm outside diameter
- 16 mm hexagonal wrench
- Spirit level
- Electric drill with a 10 mm stone drill bit
- Laser alignment aid (recommended for multi-sided safeguarding and long-distance ranges): LA-78UDC (Art. no. 520004) for COMPACT, COMPACTplus and ROBUST

Procedure:

1. Pre-mount the devices in the DC device column. Use M6x8 screws.
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 (3a/4a = set floor braces with accessory set)



6. Set up the columns, (fig. 3 and 3a: tighten slightly), 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 = nuts M10 x 1,5 DIN 6331
 c = 3 drillings in the floor for floor braces, Ø 10 mm

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 the weak signal indicator on the devices does not light up.