

DATA SHEET

PP4-C1181100000000

Device columns  
Mounting systems

**SICK** Sensor Intelligence



MOUNTING SYSTEMS

PP4-C118110000000

ORDERING INFORMATION

| Type              | part no.                |
|-------------------|-------------------------|
| PP4-C118110000000 | <a href="#">2139647</a> |

Further device versions and accessories at [www.sick.com/Device\\_columns](http://www.sick.com/Device_columns)

DETAILED TECHNICAL DATA

FEATURES

|                                   |                                                                                                                                                                                                                                                                                      |                                                                                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                       | PP4 protective column for mounting suitable variants of the deTec and deTem product families. Protects the devices from mechanical influences from three sides.                                                                                                                      |                                                                                                                                                |
| Mounting system type              | Mechanical anchoring to the floor                                                                                                                                                                                                                                                    |                                                                                                                                                |
| Items supplied                    | PP4 device column with pre-assembled alignment plate and removable end cap<br>Base plate with spirit level, fine alignment wheel and setscrews<br>M8 screws and washers for mounting the alignment plate on the base plate<br>Alignment clamp<br>Operating instructions for download |                                                                                                                                                |
| Column height                     | 1,184.5 mm                                                                                                                                                                                                                                                                           |                                                                                                                                                |
| Suitable for device variants      | deTec safety light curtain<br>deTem safety light-beam sensor                                                                                                                                                                                                                         |                                                                                                                                                |
|                                   |                                                                                                                                                                                                                                                                                      | Protective field height ≤ 900 mm<br>3 beams, distance of lowest beam from floor: 300 mm<br>4 beams, distance of lowest beam from floor: 200 mm |
| Compatible brackets               | FlexFix                                                                                                                                                                                                                                                                              | ✓                                                                                                                                              |
|                                   | Flat-Mount                                                                                                                                                                                                                                                                           | ✓ <sup>1)</sup>                                                                                                                                |
|                                   | Swivel-Mount                                                                                                                                                                                                                                                                         | ✓ <sup>1)</sup>                                                                                                                                |
| Additional options                | Enables additional accessories, such as muting arms, to be installed.                                                                                                                                                                                                                |                                                                                                                                                |
|                                   | Muting sensor protection left (2140187)                                                                                                                                                                                                                                              | ✓                                                                                                                                              |
|                                   | Muting sensor protection right (2140186)                                                                                                                                                                                                                                             | ✓                                                                                                                                              |
|                                   | Muting arm adapter (2140086)                                                                                                                                                                                                                                                         | ✓                                                                                                                                              |
| Height of first beam above ground | 200 mm, 300 mm                                                                                                                                                                                                                                                                       |                                                                                                                                                |

<sup>1)</sup> The flat mount and swivel mount brackets are attached at the top and bottom of the device. A correspondingly higher column must therefore be selected for installation.

FUNCTIONS

|           |                                                                                                                             |   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|---|
| Alignment | The complete alignment process involves leveling the base plate and rotating the alignment plate at the foot of the column. |   |
|           | Alignment aid mark (–45°, 0°, 45°)                                                                                          | ✓ |
|           | Fine alignment wheel                                                                                                        | ✓ |

|                        |   |
|------------------------|---|
| Setscrews for leveling | ✓ |
| Spirit level           | ✓ |
| Cable entry            | ✓ |

## MECHANICS

|            |                                 |                           |
|------------|---------------------------------|---------------------------|
| Material   | Column profile                  | Aluminum (powder-coating) |
|            | Alignment plate                 | Aluminum (powder-coating) |
|            | Base plate                      | Aluminum (powder-coating) |
|            | Fine alignment wheel            | PA6                       |
|            | Alignment clamp                 | PA6                       |
|            | End cap                         | ABS                       |
| Dimensions | See dimensional drawing         |                           |
|            | L1                              | 1,124 mm <sup>1)</sup>    |
|            | L2                              | 1,184.5 mm <sup>2)</sup>  |
|            | Cross-section of column profile | 101.6 mm x 81 mm          |
|            | Diameter of base plate          | 195 mm                    |
| Weight     | 5.96 kg                         |                           |

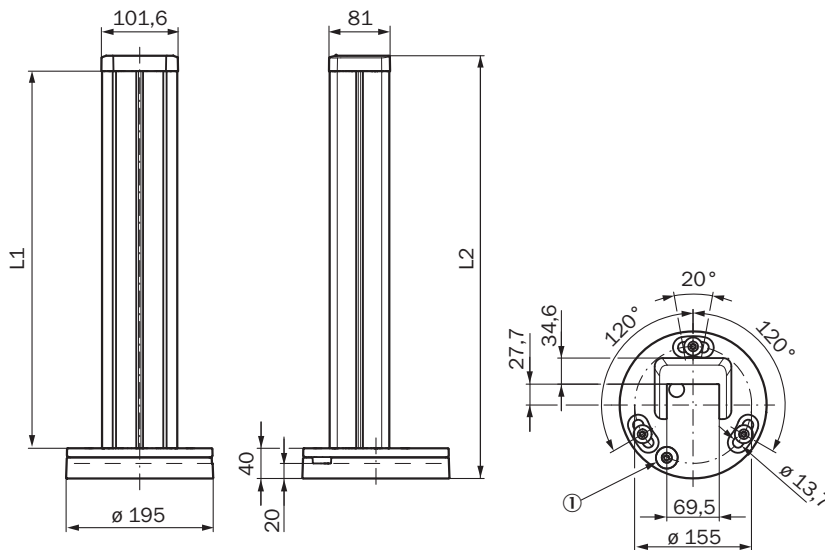
<sup>1)</sup> L1 = Column profile height.

<sup>2)</sup> L2 = Column height (incl. base plate, alignment plate and end cap).

## AMBIENT DATA

|                     |                   |
|---------------------|-------------------|
| Storage temperature | -30 °C ... +70 °C |
|---------------------|-------------------|

## DIMENSIONAL DRAWING PP4 PROTECTIVE COLUMN



Dimensions in mm (inch)

① Fine alignment wheel

| Type              | Part no. | L1 = Column profile height | L2 = Column height (incl. base plate, alignment plate and end cap) |
|-------------------|----------|----------------------------|--------------------------------------------------------------------|
| PP4-C098110000000 | 2139645  | 924                        | 984,5                                                              |
| PP4-C108110000000 | 2139646  | 1024                       | 1084,5                                                             |
| PP4-C118110000000 | 2139647  | 1124                       | 1184,5                                                             |
| PP4-C128110000000 | 2139649  | 1224                       | 1284,5                                                             |
| PP4-C141110000000 | 2139650  | 1350                       | 1410,5                                                             |

| Type              | Part no. | L1 = Column profile height | L2 = Column height (incl. base plate, alignment plate and end cap) |
|-------------------|----------|----------------------------|--------------------------------------------------------------------|
| PP4-C156110000000 | 2139651  | 1500                       | 1560,5                                                             |
| PP4-C171110000000 | 2139652  | 1650                       | 1710,5                                                             |
| PP4-C186110000000 | 2139653  | 1800                       | 1860,5                                                             |
| PP4-C201110000000 | 2139654  | 1950                       | 2010,5                                                             |
| PP4-C216110000000 | 2139655  | 2100                       | 2160,5                                                             |
| PP4-C231110000000 | 2139656  | 2250                       | 2310,5                                                             |

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at [www.sick.com/2139647](http://www.sick.com/2139647)



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Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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