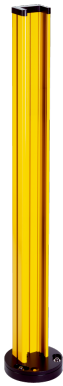


# PP4-C128110000000

Device columns

**MOUNTING SYSTEMS**

**SICK**  
Sensor Intelligence.



### Ordering information

| Type              | part no. |
|-------------------|----------|
| PP4-C128110000000 | 2139649  |

Other models and accessories → [www.sick.com/Device\\_columns](http://www.sick.com/Device_columns)

### Detailed technical data

#### Features

|                                          |                                                                                                                                                                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>                       | PP4 protective column for mounting suitable variants of the deTec and deTem product families. Protects the devices from mechanical influences from three sides.                                                                                                                      |
| <b>Mounting system type</b>              | Mechanical anchoring to the floor                                                                                                                                                                                                                                                    |
| <b>Items supplied</b>                    | 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 |
| <b>Column height</b>                     | 1,284.5 mm                                                                                                                                                                                                                                                                           |
| <b>Suitable for device variants</b>      |                                                                                                                                                                                                                                                                                      |
| deTec safety light curtain               | Protective field height ≤ 1,050 mm                                                                                                                                                                                                                                                   |
| deTem safety light-beam sensor           | 4 beams, distance of lowest beam from floor: 300 mm                                                                                                                                                                                                                                  |
| <b>Compatible brackets</b>               |                                                                                                                                                                                                                                                                                      |
| FlexFix                                  | ✓                                                                                                                                                                                                                                                                                    |
| Flat-Mount                               | ✓ <sup>1)</sup>                                                                                                                                                                                                                                                                      |
| Swivel-Mount                             | ✓ <sup>1)</sup>                                                                                                                                                                                                                                                                      |
| <b>Additional options</b>                | Enables additional accessories, such as muting arms, to be installed.                                                                                                                                                                                                                |
| Muting sensor protection left (2140187)  | ✓                                                                                                                                                                                                                                                                                    |
| Muting sensor protection right (2140186) | ✓                                                                                                                                                                                                                                                                                    |
| Muting arm adapter (2140086)             | ✓                                                                                                                                                                                                                                                                                    |
| <b>Height of first beam above ground</b> | 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

|                                    |                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Alignment</b>                   | 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               | ✓                                                                                                                           |
| <b>Setscrews for leveling</b>      | ✓                                                                                                                           |
| <b>Spirit level</b>                | ✓                                                                                                                           |

|             |   |
|-------------|---|
| Cable entry | ✓ |
|-------------|---|

## Mechanics

|                 |                                 |                           |
|-----------------|---------------------------------|---------------------------|
| <b>Material</b> | 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                       |
|                 | <b>Dimensions</b>               | See dimensional drawing   |
|                 | L1                              | 1,224 mm <sup>1)</sup>    |
|                 | L2                              | 1,284.5 mm <sup>2)</sup>  |
|                 | Cross-section of column profile | 101.6 mm x 81 mm          |
|                 | Diameter of base plate          | 195 mm                    |
| <b>Weight</b>   |                                 | 6.35 kg                   |

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

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

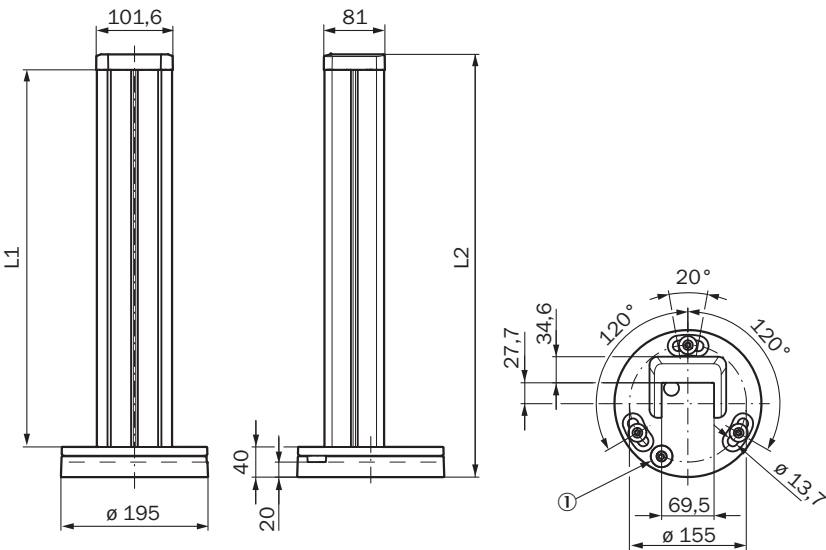
## Ambient data

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

## Classifications

|                       |          |
|-----------------------|----------|
| <b>ECLASS 5.0</b>     | 27279202 |
| <b>ECLASS 5.1.4</b>   | 27279202 |
| <b>ECLASS 6.0</b>     | 27279202 |
| <b>ECLASS 6.2</b>     | 27279202 |
| <b>ECLASS 7.0</b>     | 27279202 |
| <b>ECLASS 8.0</b>     | 27279202 |
| <b>ECLASS 8.1</b>     | 27279202 |
| <b>ECLASS 9.0</b>     | 27273701 |
| <b>ECLASS 10.0</b>    | 27273701 |
| <b>ECLASS 11.0</b>    | 27273701 |
| <b>ECLASS 12.0</b>    | 27273701 |
| <b>ETIM 5.0</b>       | EC001941 |
| <b>ETIM 6.0</b>       | EC001941 |
| <b>ETIM 7.0</b>       | EC001941 |
| <b>ETIM 8.0</b>       | EC001941 |
| <b>UNSPSC 16.0901</b> | 39111609 |

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                                                             |
| 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                                                             |

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)