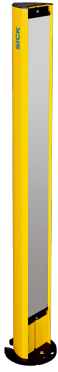


Mirror columns with protective field height mirror

Smart multi-sided protection of the area around hazardous points

SICK
Sensor Intelligence.



Technical data overview

| | |
|-----------------------------|--|
| Model | PM3 mirror column with protective field height mirror PM4 Mirror Column (depending on type) |
| Suitable for | Safety light curtains Safety light-beam sensors |
| Column height | 994.5 mm ... 2,419 mm (depending on type) |
| Material | Aluminum (powder-coating) |
| Mounting system type | Mechanical anchoring to the floor |
| Mirror length | 802 mm ... 2,213 mm (depending on type) |
| Mirror width | 125 mm |

Product description

Free choice of location ensures safety:

Mirror columns from SICK are used in areas in which multi-sided protection of hazardous points, such as machining centers, is required. The right solution is to combine multiple light beam safety devices or safety light curtains with mirror columns to deflect the light beam. Several sides of a machine can be protected with just one pair of sensors, which reduces wiring effort significantly. It is easy to adjust the deflector mirrors, which are mounted in stable columns. Unimpeded access for feeding operations and tool and program changes is another advantage compared to a mechanical fence and results in higher productivity.

At a glance

- Free-standing mounting solution
- Compact, rugged design and extremely high stability
- Simple mounting and adjustment
- Large reflector surface for efficient multi-sided protection via beam deflection and high availability
- Mirror columns in various lengths
- With a continuous mirror for safety light curtains and for multiple light beam safety devices with any number of beams

Your benefits

- Multi-sided protection using deflector mirrors eliminates additional active devices, which reduces cabling effort and costs
- Increased productivity due to unhindered access to the system while maintaining protection

Fields of application

- Automotive industry
- Machine tool industry
- Handling machines
- Robot stations

Ordering information

Other models and accessories → www.sick.com/Mirror_columns_with_protective_field_height_mirror

- **Description:** PM3 mirror column with fixed mirror for beam deflection., Allows multi-sided access protection.
- **Items supplied:** PM3 mirror column with pre-assembled base plate

| Column height | Suitable for deTec safety light curtain | Suitable for C2000, C4000 and M4000 Curtain safety light curtain | Suitable for de-Tem safety light-beam sensor | Suitable for M2000 and M4000 safety light-beam sensor | Type | Part no. |
|---------------|---|--|--|---|-----------------|----------|
| 1,281.5 mm | Protective field height ≤ 1,050 mm | Protective field height ≤ 1,050 mm | Any | Any | PM3C13-00030000 | 1043453 |
| 1,569 mm | Protective field height ≤ 1,350 mm | Protective field height ≤ 1,350 mm | Any | Any | PM3C15-00030000 | 1077525 |
| 1,716.5 mm | Protective field height ≤ 1,500 mm | Protective field height ≤ 1,500 mm | Any | Any | PM3C17-00030000 | 1043454 |
| 2,016.5 mm | Protective field height ≤ 1,650 mm | Protective field height ≤ 1,650 mm | Any | Any | PM3C19-00030000 | 1043455 |
| 2,216.5 mm | Protective field height ≤ 1,800 mm | Protective field height ≤ 1,800 mm | Any | Any | PM3C20-00030000 | 1043456 |
| 2,269 mm | Protective field height ≤ 1,950 mm | Protective field height ≤ 1,800 mm | Any | Any | PM3C22-00030000 | 1093216 |
| 2,419 mm | Protective field height ≤ 2,100 mm | Protective field height ≤ 1,800 mm | Any | Any | PM3C24-00030000 | 1093217 |

- **Description:** PM4 mirror column with fixed mirror for beam deflection., Allows multi-sided access protection.
- **Items supplied:** PM4 mirror column with pre-assembled alignment plate and removable end cap, Base plate with spirit level, fine alignment wheel and setscrews, M8 screws and washers for mounting the alignment plate on the base plate, Operating instructions for download

| Column height | Suitable for deTec safety light curtain | Suitable for de-Tem safety light-beam sensor | Type | Part no. |
|---------------|---|--|-------------------|----------|
| 994.5 mm | Protective field height ≤ 750 mm | 2 beams, distance of lowest beam from floor: 400 mm | PM4-A099110000000 | 1138910 |
| 1,094.5 mm | Protective field height ≤ 750 mm | 3 beams, distance of lowest beam from floor: 200 mm | PM4-A109110000000 | 1138911 |
| 1,194.5 mm | Protective field height ≤ 900 mm | 3 beams, distance of lowest beam from floor: 300 mm 4 beams, distance of lowest beam from floor: 200 mm | PM4-A119110000000 | 1138912 |
| 1,294.5 mm | Protective field height ≤ 1,050 mm | 4 beams, distance of lowest beam from floor: 300 mm | PM4-A129110000000 | 1138913 |
| 1,474.5 mm | Protective field height ≤ 1,200 mm | Any | PM4-A147110000000 | 1138914 |
| 1,625.5 mm | Protective field height ≤ 1,350 mm | Any | PM4-A162110000000 | 1138915 |
| 1,774.5 mm | Protective field height ≤ 1,500 mm | Any | PM4-A177110000000 | 1138916 |

Mirror columns with protective field height mirror

| Column height | Suitable for deTec safety light curtain | Suitable for deTem safety light-beam sensor | Type | Part no. |
|---------------|---|---|-------------------|----------|
| 1,924.5 mm | Protective field height \leq 1,650 mm | Any | PM4-A192110000000 | 1138917 |
| 2,074.5 mm | Protective field height \leq 1,800 mm | Any | PM4-A207110000000 | 1138918 |
| 2,224.5 mm | Protective field height \leq 1,950 mm | Any | PM4-A222110000000 | 1138919 |
| 2,374.5 mm | Protective field height \leq 2,100 mm | Any | PM4-A237110000000 | 1138920 |

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