

Datasheet - SE-P70-5000

Safety-related tactile sensor / Safety edges / SE-P70



Preferred typ



- Dirt and moisture in the profile are to a great extent compensated
- Insensitive to environmental conditions
- approx. 70 mm high

(Minor differences between the printed image and the original product may exist!)

Ordering details

| | |
|--------------------------|---------------|
| Product type description | SE-P70-5000 |
| Article number | 101172167 |
| EAN Code | 4030661300238 |

A safety edge system consists of individual components.
The components must be ordered separately.

Example:

Rubber profile, SE-P70-1250
 Al profile, SE-AL 20-1250
 Emitter/ Receiver SE-SET
 Safety-monitoring module, SE-304 C

Options:

Caps SE-T70; Sticker SE-G8406
 Other accessories


eCl@ss 27-27-34-01

Approval

Approval



Global Properties

| | |
|--|-------------------------------|
| Permanent light | Gummiprofil SE-P70 |
| Standards | EN ISO 13850 |
| Compliance with the Directives (Y/N)  | Yes |
| Materials | |
| - Material of the rubber profile | EPDM, 65 Shore A |
| Resistant to chemicals of the rubber material | |
| - International abbreviation | EPDM, 65 Shore A |
| - Chemical name | Ethylene-propylene terpolymer |
| - Resilience at 20°C | Good |
| - Resistance against permanent deformation | Good |
| - General resistance against atmospheric conditions | Excellent |
| - Resistance against ozone | Excellent |
| - Resistance against oil | low |
| - Resistance against fuel | low |
| - Resistance against solvents | low to satisfactory |
| - General resistance against acids | Good |
| Weight | 4840 |
| Coated profile (Y/N) | No |

Mechanical data

| | |
|---------------------|---------------------------------------|
| Mechanical life | 20.000.000 operations |
| max. permanent load | 500 on the operational switching zone |
| Response travel | max. 9 mm |
| After-travel | max. 18 mm |

Ambient conditions

| | |
|-------------------------------|--|
| Temperature resistance | |
| - min. Temperature resistance | -50 short duration -30 long duration |
| - max. Temperature resistance | +170 short duration +140 long duration |
| Protection class | IP67 |
| notice | The protection class IP 67 applies to the entire signal transmitter. |

Dimensions

| | |
|------------|---------------|
| Dimensions | |
| - Width | 25 mm |
| - Height | approx. 70 mm |
| - Length | 5000 mm |

notice

If a higher resistance is required, choose safety edge profiles with 20 µm plastic coating. The coating must be submitted to low mechanical loads only.

In the extremities of the safety edge at approx. 60 mm (SE 40) or 50 mm (SE 70) finger guard is not guaranteed. Upon actuation of this area, the transmitter/receiver is pushed into the lower profile section and the switching signal is evaluated, but the required forces are high though.

If this restriction is not acceptable for the specific application, constructive measures must be taken.

Ordering code

SE-P70 (1)-(2)-(3)

| | |
|----------------|--|
| (1) | |
| <i>without</i> | Profile uncoated |
| C | Profile coated |
| (2) | |
| <i>without</i> | Material: EPDM, 65 Shore A |
| NBR | Material: perbunan® NBR |
| (3) | |
| 1250 | Length 1250 mm |
| 2500 | Length 2500 mm |
| 5000 | Length 5000 mm (<i>Only for Profile uncoated</i>) |
| 10000 | Length 10000 mm (<i>Only for Profile uncoated</i>) |

Documents

Operating instructions and Declaration of conformity (jp) 263 kB, 09.09.2014

Code: mrl_se40-70_jp

Operating instructions and Declaration of conformity (fr) 218 kB, 03.12.2014

Code: mrl_se40-70_fr

Operating instructions and Declaration of conformity (it) 219 kB, 28.08.2014

Code: mrl_se40-70_it

Operating instructions and Declaration of conformity (de) 205 kB, 29.07.2014

Code: mrl_se40-70_de

Operating instructions and Declaration of conformity (cn) 258 kB, 24.06.2015

Code: mrl_se40-70_cn

Operating instructions and Declaration of conformity (es) 221 kB, 28.08.2014

Code: mrl_se40-70_es

Operating instructions and Declaration of conformity (nl) 201 kB, 16.10.2014

Code: mrl_se40-70_nl

Operating instructions and Declaration of conformity (en) 203 kB, 29.07.2014

Code: mrl_se40-70_en

Mounting and wiring instructions (de, en, fr) 30 kB, 30.04.2009

Code: m_se_p03

Force-travel diagram (en) 106 kB, 14.08.2009

Code: k_se_p02

Force-travel diagram (fr) 81 kB, 14.08.2009

Code: k_se_p03

Force-travel diagram (pt) 73 kB, 14.08.2009

Code: k_se_p10

Force-travel diagram (nl) 72 kB, 14.08.2009

Code: k_se_p04

Force-travel diagram (it) 72 kB, 14.08.2009

Code: k_se_p05

Force-travel diagram (es) 72 kB, 14.08.2009

Code: k_se_p09

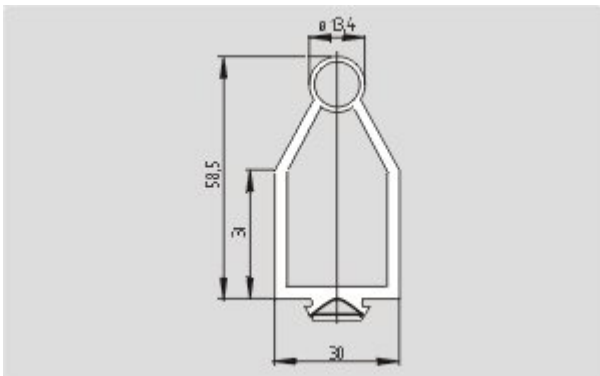
Force-travel diagram (de) 105 kB, 14.08.2009

Code: k_se_p01

Images



Product photo



Dimensional drawing (basic component)

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

Generiert am 13.02.2019 - 14:40:53h Kasbase 3.3.0.F.64I