



PS116-T12-LR200-R200

- Pre-wired cable right, 2 m
- Slow action 1 Normally open contact (NO) / 2 Opener (NC)
- Thermoplastic enclosure
- Symmetric enclosure
- Protection class IP66, IP67
- plastic roller Ø 9,5 mm

Data

Ordering data

| | |
|-------------------------------|----------------------|
| Product type description | PS116-T12-LR200-R200 |
| Article number (order number) | 103006590 |
| EAN (European Article Number) | 4030661442396 |
| eCl@ss number, version 12.0 | 27-27-26-01 |
| eCl@ss number, version 11.0 | 27-27-26-01 |
| eCl@ss number, version 9.0 | 27-27-26-01 |
| ETIM number, version 7.0 | EC000030 |
| ETIM number, version 6.0 | EC000030 |

Approvals - Standards

| | |
|--------------|---------------------|
| Certificates | cULus CCC EAC |
|--------------|---------------------|

General data

| | |
|--------------------------------------|---|
| Standards | EN IEC 60947-5-1 |
| Terminal (mechanical) | right |
| Housing construction form | Norm construction design |
| Actuator type to EN 50047 | c |
| Enclosure material | Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated |
| Material of the contacts, electrical | Silver |
| Gross weight | 211 g |

General data - Features

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|------------------------------|-----|
| Safety functions | Yes |
| Number of auxiliary contacts | 1 |
| Number of safety contacts | 2 |

Safety classification

| | |
|--------------|----------------|
| Standards | EN ISO 13849-1 |
| Mission time | 20 Year(s) |

Safety classification - Safety outputs

| | |
|---|-----------------------|
| B _{10D} Normally-closed contact (NC) | 20,000,000 Operations |
|---|-----------------------|

Mechanical data

| | |
|-------------------------------|-----------------------|
| Actuating element | Roller plunger R200 |
| Mechanical life, minimum | 10,000,000 Operations |
| Actuating force, minimum | 10 N |
| Positive break force, minimum | 40 N |
| Actuating speed, minimum | 60 mm/min |

| | |
|---------------------------|---|
| Actuating speed, maximum | 0.5 m/s |
| Note (Actuating speed) | Actuating speed with actuating angle 30° to switch axis |
| Actuating torque, minimum | 0.2 Nm |
| Positive break torque | 0.6 Nm |

Mechanical data - Connection technique

| | |
|--------------------|---------------------|
| Termination | Cable, 6-pole |
| Length of cable | 2 m |
| Wire cross-section | 0.5 mm ² |
| Cable type | LiYY |

Mechanical data - Dimensions

| | |
|--------------------|---------|
| Length of sensor | 16.6 mm |
| Width of sensor | 31 mm |
| Height of sensor | 74.1 mm |
| Diameter of Castor | 9.5 mm |

Ambient conditions

| | |
|------------------------------|--------------|
| Degree of protection | IP67 IP66 |
| Ambient temperature, minimum | -30 °C |
| Ambient temperature, maximum | +80 °C |

Ambient conditions - Insulation values

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|---|-------|
| Rated insulation voltage U_i | 300 V |
| Rated impulse withstand voltage U_{imp} | 4 kV |

Electrical data

| | |
|--------------------------------------|------------------------|
| Thermal test current | 5 A |
| Required rated short-circuit current | 1,000 A |
| Utilisation category AC-15 | 240 VAC |
| Utilisation category AC-15 | 3 A |
| Utilisation category DC-13 | 24 VDC |
| Utilisation category DC-13 | 1.5 A |
| Switching element | NO contact, NC contact |
| Switching principle | Slow action |
| Bounce duration, maximum | 3 ms |
| Switching frequency | 5,000 /h |
| Switchover time, maximum | 5.5 ms |

Ordering code

Product type description:
PS116-(1)-(2)-(3)-(4)

(1)

| | |
|-------------|---|
| Z11 | Snap action 1 NO contact / 1 NC contact |
| Z02 | Snap action 2 NC contacts |
| Z12 | Snap action 1 NO contact / 2 NC contact |
| Z11R | Snap action 1 NO contact / 1 NC contact with latching |
| Z02R | Snap action 2 NC contacts with latching |
| Z12R | Snap action 1 NO contact / 2 NC contact with latching |
| T11 | Slow action 1 NO contact / 1 NC contact |
| T02 | Slow action 2 NC contacts |
| T20 | Slow action 2 NO contact |
| T12 | Slow action 1 NO contact / 2 NC contact |
| T21 | Slow action 2 NO contact / 1 NC contact |
| T03 | Slow action 3 NC contacts |

| | |
|--------------|--|
| T11UE | Slow action 1 NO contact / 1 NC contact with overlapping contacts |
| T02H | Slow action 2 NC contacts with staggered contacts |
| (2) | |
| L200 | Connecting cable bottom, cable length 2 m |
| LR200 | Connecting cable right, cable length 2 m |
| LR300 | Connecting cable right, cable length 3 m |
| LR500 | Connecting cable right, cable length 5 m |
| ST | Connector plug M12 - plastic - bottom |
| STR | Connector plug M12, right |
| (3) | |
| S200 | plunger S200 Ø 6 mm |
| R200 | Roller plunger R200 |
| K200 | Offset roller lever - plastic roller- width 5.3 mm - Ø 12 mm |
| K210 | Offset roller lever - plastic roller- width 5mm - Ø 14mm |
| K230 | Angle roller lever - plastic roller Ø 14 mm |
| K240 | Angle roller lever with plastic roller Ø 22 mm - right-bent |
| K250 | Angle roller lever with plastic roller Ø 22 mm - left-bent |
| H200 | Roller lever - plastic roller Ø 16 m - lever length 24 mm |
| N200 | Roller lever 2 mm Toothing (24...26mm) - Plastic roller Ø 20 mm - Width 9.8 mm |
| J200 | Rod lever - plastic - 200mm -Ø 6mm |
| (4) | |
| 0 | Material Castor/Lever: Plastic |
| 1 | Material Castor/Lever: Stainless steel |
| 2 | Material Castor/Lever: Brass |
| 3 | Material Castor/Lever: Aluminium |
| 4 | Material Castor/Lever: Steel |

Pictures

Product picture (catalogue individual photo)

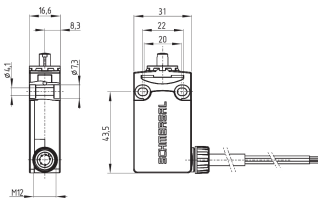


ID: kps1rf01

| 212.1 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667 px - 72 dpi

| 14.1 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi

Dimensional drawing basic component



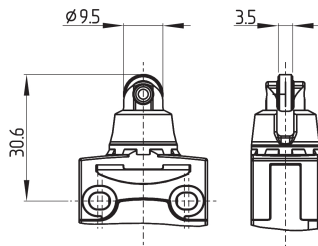
ID: kps11g04

| 246.1 kB | .ai | 200 x 200 mm - 566 x 566 px - 72 dpi

| 4.0 kB | .png | 74.083 x 44.803 mm - 210 x 127 px - 72 dpi

| 98.3 kB | .jpg | 352.778 x 214.136 mm - 1000 x 607 px - 72 dpi

Dimensional drawing actuator



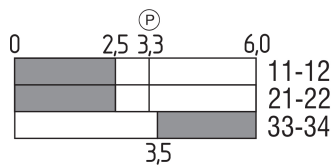
ID: kps11b02

| 352.8 kB | .ai | 126.86 x 84.573 mm - 359 x 239 px - 72 dpi

| 6.6 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi

| 143.9 kB | .jpg | 352.778 x 272.344 mm - 1000 x 772 px - 72 dpi

Switch travel diagram



ID: kps11s07

| 2.0 kB | .png | 74.083 x 36.689 mm - 210 x 104 px - 72 dpi

| 67.0 kB | .jpg | 352.778 x 173.919 mm - 1000 x 493 px - 72 dpi

Diagram

(5) BN 11 — 12 PK (6)
(1) GN 21 — 22 GY (2)
(3) YE 33 — 34 WH (4)

ID: kps16k09

| 1.3 MB | .cdr |

| 84.8 kB | .jpg | 352.778 x 97.367 mm - 1000 x 276 px - 72 dpi

| 3.9 kB | .png | 74.083 x 20.461 mm - 210 x 58 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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