

Sensor, Series ST6

- 6 mm T-slot
- with cable
- open cable ends, 2-pin
- UL certification
- Reed
- Direct mounting for series PRA, PRE, CCI, KPZ, SSI, GPC, CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, RTC, TRR












Certificates

| | |
|----------------------------------|-------------------|
| Ambient temperature min./max. | -30 ... 80 °C |
| Protection class | IP65, IP67, IP69K |
| Switching point precision mT | ±0,1 |
| Nominal current, actuated state | 30 mA |
| Quiescent current (without load) | 8 mA |
| Min./max. DC operating voltage | See table |
| Min./max. AC operating voltage | See table |
| Hysteresis | ≥ 0,2 mT |
| Switching logic | NO (make contact) |
| LED status display | Yellow |
| Vibration resistance | 10 - 55 Hz, 1 mm |
| Shock resistance | 30 g / 11 ms |

CE declaration of conformity, cULus, RoHS



Technical data

| Part No. | | for | Type of contact | Cable length L | Min./max. DC operating voltage |
|------------|---|-----------------------------------|-----------------|----------------|--------------------------------|
| R412022866 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | Reed | 3 m | 10 ... 230 V DC |
| R412022869 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | Reed | 3 m | 10 ... 30 V DC |
| R412022870 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | Reed | 5 m | 10 ... 30 V DC |
| R412022871 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | Reed | 10 m | 10 ... 30 V DC |
| R412022853 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | electronic PNP | 3 m | 10 ... 30 V DC |
| R412022855 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | electronic PNP | 5 m | 10 ... 30 V DC |
| R412022857 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | electronic PNP | 10 m | 10 ... 30 V DC |
| R412022849 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | electronic NPN | 3 m | 10 ... 30 V DC |
| R412022850 |  | PRA, PRE, CCI, KPZ, SSI, GPC, CVI | electronic NPN | 5 m | 10 ... 30 V DC |

| Part No. | Min./max. AC operating voltage | Voltage drop U at I _{max} | DC switching current, max. | AC switching current, max. |
|------------|--------------------------------|------------------------------------|----------------------------|----------------------------|
| R412022866 | 10 ... 230 V AC | I*Rs | 0,13 A | 0,13 A |
| R412022869 | 10 ... 30 V AC | I*Rs | 0,3 A | 0,5 A |
| R412022870 | 10 ... 30 V AC | I*Rs | 0,3 A | 0,5 A |
| R412022871 | 10 ... 30 V AC | I*Rs | 0,3 A | 0,5 A |
| R412022853 | - | ≤ 2,5 V | 0,13 A | - |
| R412022855 | - | ≤ 2,5 V | 0,13 A | - |
| R412022857 | - | ≤ 2,5 V | 0,13 A | - |
| R412022849 | - | ≤ 2,5 V | 0,13 A | - |
| R412022850 | - | ≤ 2,5 V | 0,13 A | - |

| Part No. | Switching capacity | Max. switching frequency | Operating current, not switched |
|------------|---|--------------------------|---------------------------------|
| R412022866 | Reed, 2-pin: max. 10 W, Reed, 3-pin: max. 6 W | 400 Hz | - |
| R412022869 | Reed, 2-pin: max. 10 W, Reed, 3-pin: max. 6 W | 400 Hz | - |
| R412022870 | Reed, 2-pin: max. 10 W, Reed, 3-pin: max. 6 W | 400 Hz | - |
| R412022871 | Reed, 2-pin: max. 10 W, Reed, 3-pin: max. 6 W | 400 Hz | - |
| R412022853 | - | 1000 Hz | 8 mA |
| R412022855 | - | 1000 Hz | 8 mA |
| R412022857 | - | 1000 Hz | 8 mA |
| R412022849 | - | 1000 Hz | 8 mA |
| R412022850 | - | 1000 Hz | 8 mA |

| Part No. | Operating current, switched | Version | Fig. | |
|------------|-----------------------------|--|--------|----|
| R412022866 | - | Protected against polarity reversal | Fig. 1 | 1) |
| R412022869 | - | Protected against polarity reversal | Fig. 2 | 2) |
| R412022870 | - | Protected against polarity reversal | Fig. 2 | 2) |
| R412022871 | - | Protected against polarity reversal | Fig. 2 | 2) |
| R412022853 | 30 mA | short circuit resistant, Protected against polarity reversal | Fig. 2 | 2) |
| R412022855 | 30 mA | short circuit resistant, Protected against polarity reversal | Fig. 2 | 2) |
| R412022857 | 30 mA | short circuit resistant, Protected against polarity reversal | Fig. 2 | 2) |
| R412022849 | 30 mA | short circuit resistant, Protected against polarity reversal | Fig. 2 | 2) |
| R412022850 | 30 mA | short circuit resistant, Protected against polarity reversal | Fig. 2 | 2) |

Technical information

No cULus certification for 230 V variant.

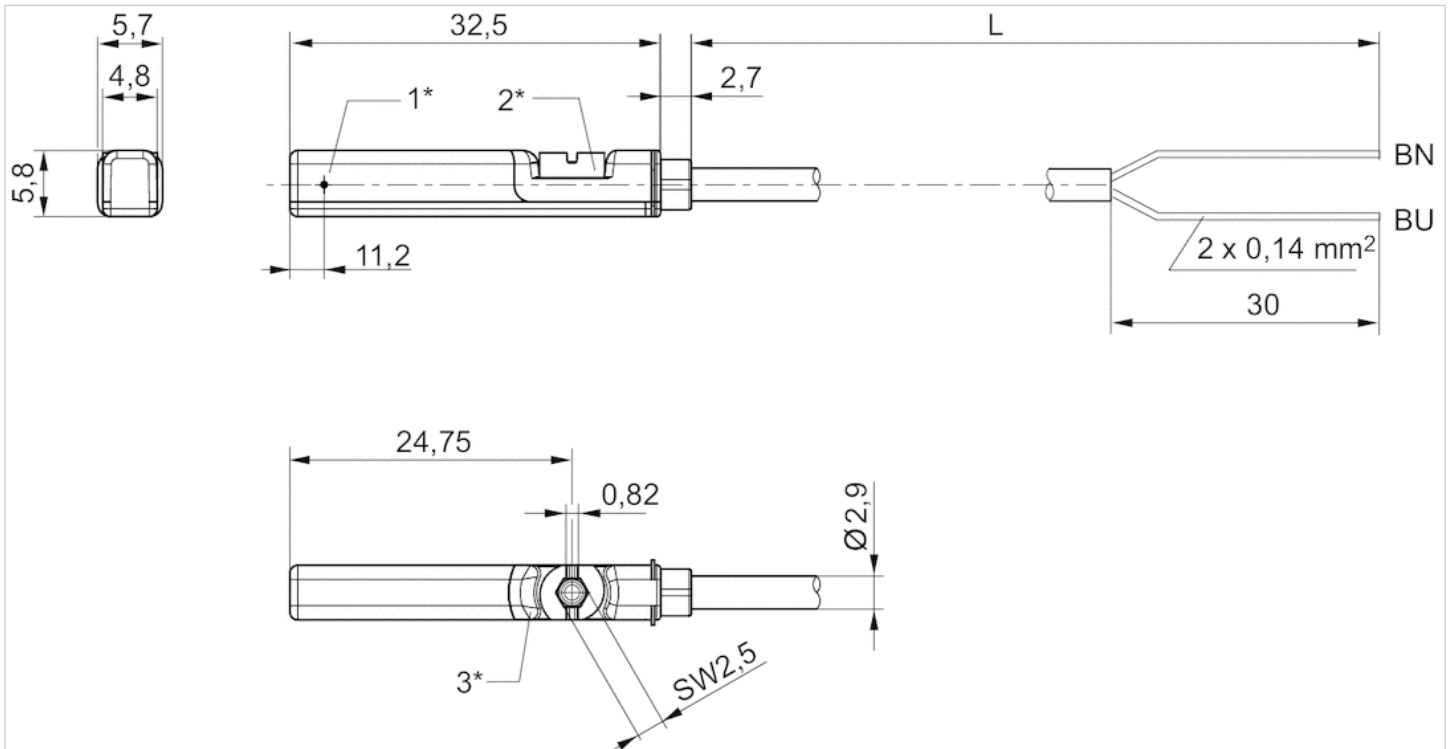
Technical information

Material

| | |
|---------------|-----------------|
| Housing | Polyamide |
| Cable sheath | Polyurethane |
| Locking screw | Stainless steel |

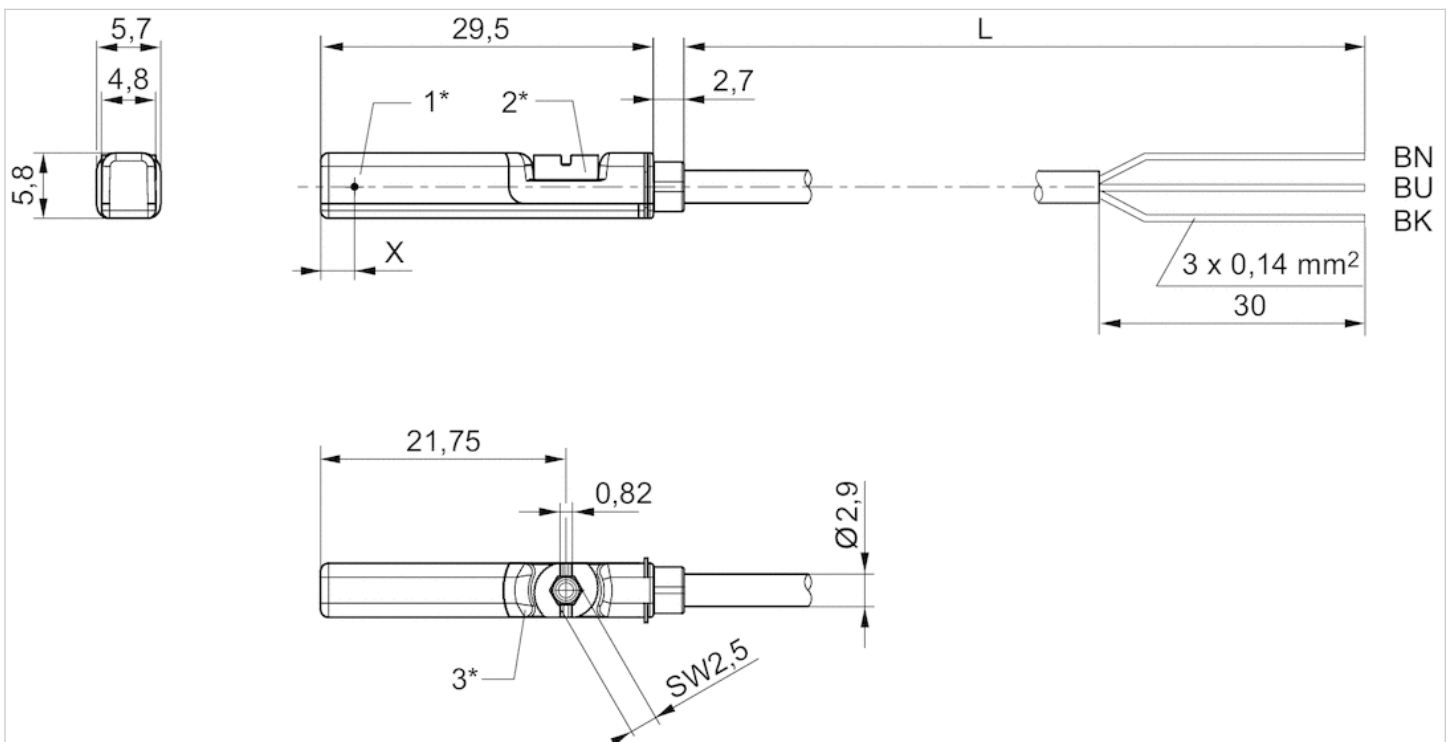
Dimensions

Fig. 1



1* = switching point 2* = locking screw 3* = LED window, transparent
 L = cable length BN=brown, BU=blue

Fig. 2



1* = switching point 2* = locking screw 3* = LED window, transparent
 L = cable length BN = brown, BK = black, BU = blue
 X = electronic: 11.6 mm

