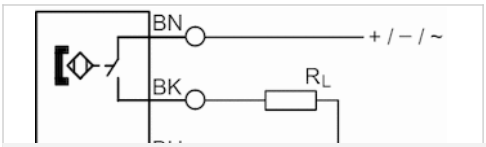
Sensor, Series ST6

- 6 mm T-slot
- with cable
- Plug, M8, 3-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	CE declaration of conformity, cULus, RoHS
Ambient temperature min./max.	-30 ... 80 °C
Protection class	IP65, IP67
Switching point precision mT	±0,1
Nominal current, actuated state	30 mA
Quiescent current (without load)	8 mA
Min./max. DC operating voltage	10 ... 30 V DC
Min./max. AC operating voltage	See table
Hysteresis	≥ 0,2 mT
Switching logic	NO (make contact)
Switching capacity	Reed, 2-pin: max. 10 W, Reed, 3-pin: max. 6 W
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms

Technical data

Part No.		for	Type of contact	Cable length L	Min./max. AC operating voltage
R412022868		PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	0,3 m	10 ... 30 V AC
R412022872		PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	0,3 m	10 ... 30 V AC
R412022858		PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic PNP	0,3 m	-
R412022851		PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic NPN	0,3 m	-

Part No.	Voltage drop U at Imax	DC switching current, max.	AC switching current, max.	Max. switching frequency
R412022868	I*Rs	0,13 A	0,13 A	400 Hz
R412022872	I*Rs	0,3 A	0,5 A	400 Hz
R412022858	≤ 2,5 V	0,13 A	-	1000 Hz
R412022851	≤ 2,5 V	0,13 A	-	1000 Hz

Part No.	Operating current, not switched	Operating current, switched
R412022868	-	-
R412022872	-	-
R412022858	8 mA	30 mA
R412022851	8 mA	30 mA

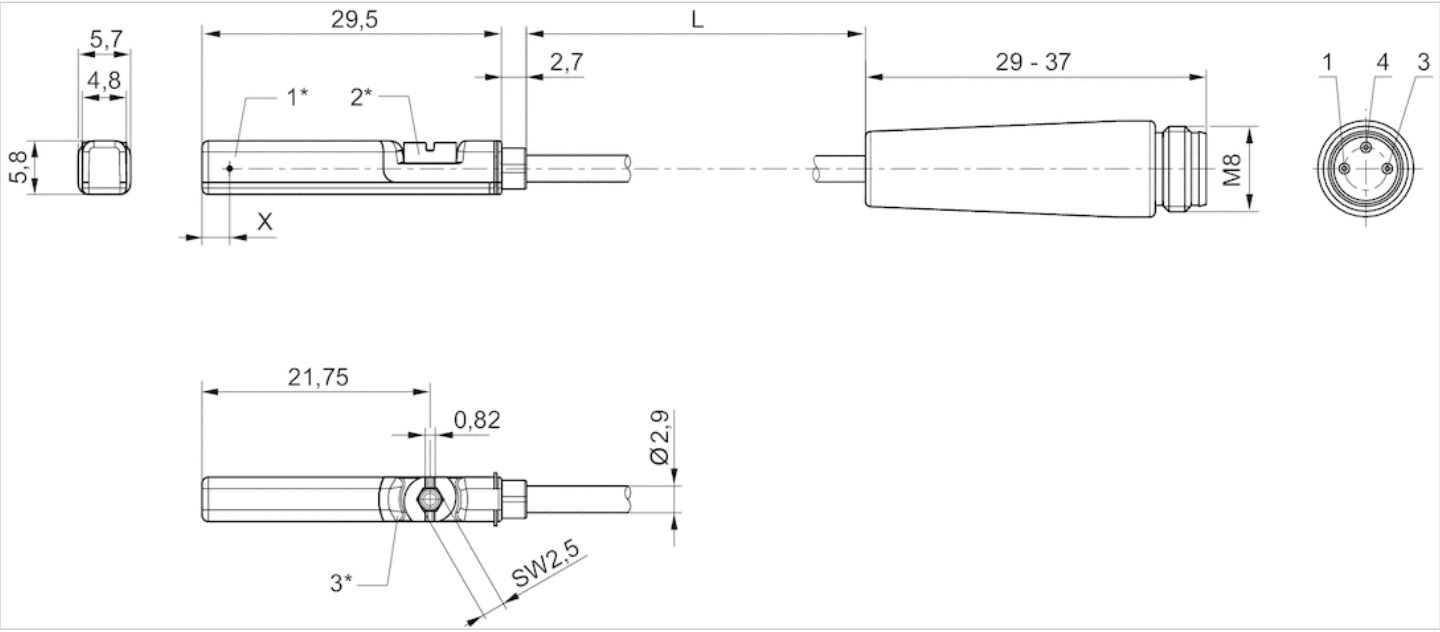
Part No.	Version
R412022868	Protected against polarity reversal
R412022872	Protected against polarity reversal
R412022858	short circuit resistant, Protected against polarity reversal
R412022851	short circuit resistant, Protected against polarity reversal

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane
Locking screw	Stainless steel

Dimensions

Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = electronic: 11,6 mm, Reed: 8,3 mm
Pin assignment:1 = (+)3 = (-)4 = (OUT)