

Sensor, Series ST9

- 9 mm groove
- Plug, M8, 3-pin
- Reed electronic PNP
- Direct mounting for series KHZ



Ambient temperature min./max.	See table below
Protection class	IP67, IP65
Switching point precision	±0,1 mT
Nominal current, actuated state	7 mA
Quiescent current (without load)	3 mA
Min./max. DC operating voltage	See table below
Min./max. AC operating voltage	See table below
LED status display	See table below
Vibration resistance	60 g (50 ... 2000 Hz)
Shock resistance	100 g / 11 ms

Technical data

Part No.		for	Type of contact	Min./max. DC operating voltage
0830100486		KHZ	Reed	10 ... 30 V DC
0830100487		KHZ	electronic PNP	12 ... 36 V DC

Part No.	Min./max. AC operating voltage	Voltage drop U at I _{max}
0830100486	10 ... 30 V AC	I*Rs
0830100487	-	≤ 2,0 V

Part No.	DC switching current, max.	AC switching current, max.
0830100486	0,13 A	0,2 A
0830100487	0,2 A	-

Part No.	Ambient temperature min./max.	Switching capacity	Protective resistor for reed
0830100486	-20 ... 80 °C	3 W / 5 VA	27 Ω
0830100487	-10 ... 70 °C	-	-

Part No.	Max. switching frequency	Operating current, not switched	LED status display
0830100486	-	-	Yellow
0830100487	2000 Hz	3 mA	Yellow Yellow

Part No.	Version
0830100486	Protected against polarity reversal
0830100487	Protected against polarity reversal short circuit resistant

Technical information

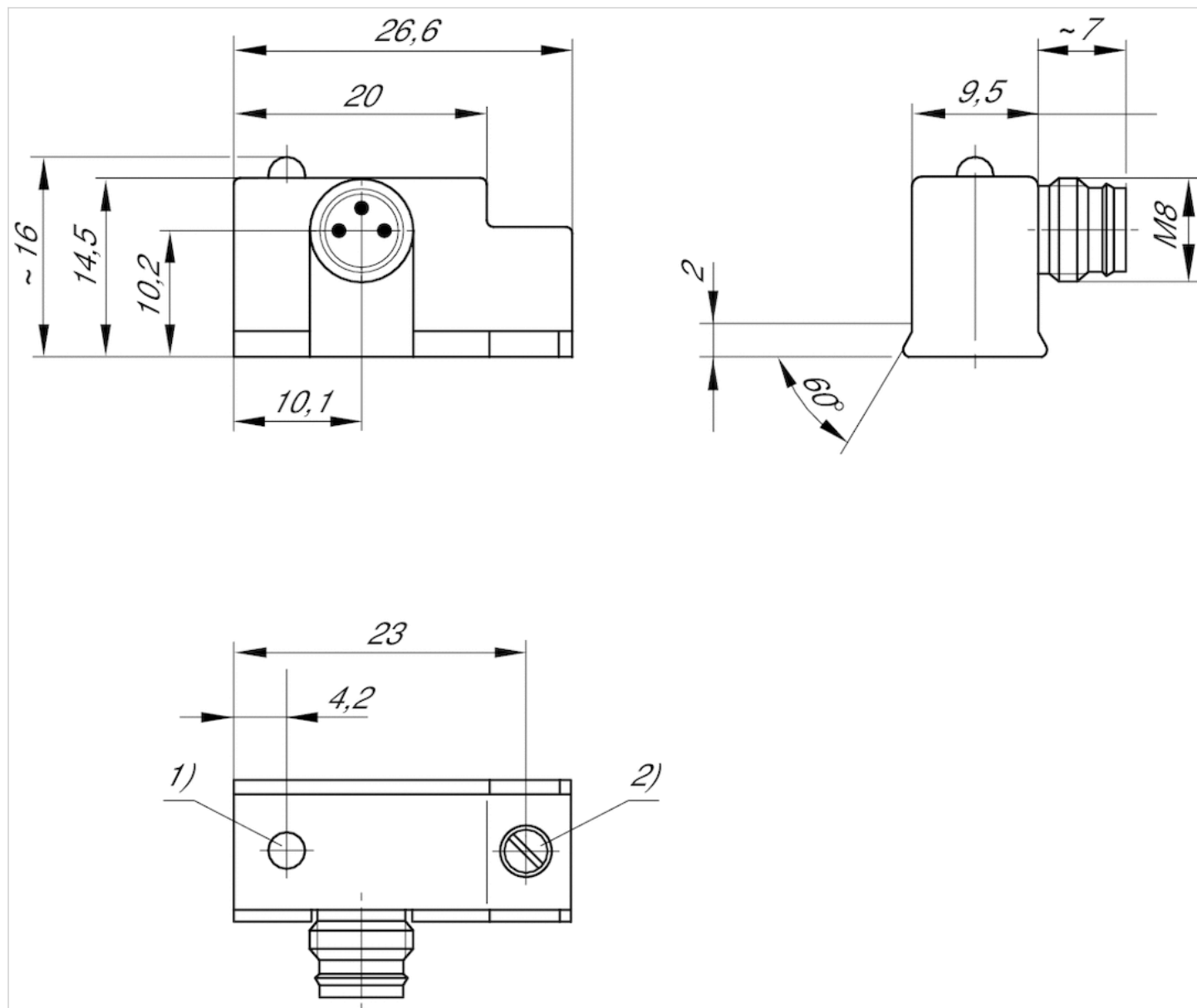
If reed sensors are used, we recommend using a short-circuit protective device (SCPD).

Technical information

Material	
Housing	Polyamide

Dimensions

Dimensions



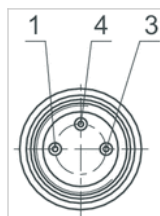
1) LED

2) Clamping screw

M8: combination plug can be combined with valve plug connectors Ø6.5 mm and M8.

Pin assignments

Pin assignments





Pin	1	3	4
Allocation	(+)	(-)	(OUT)