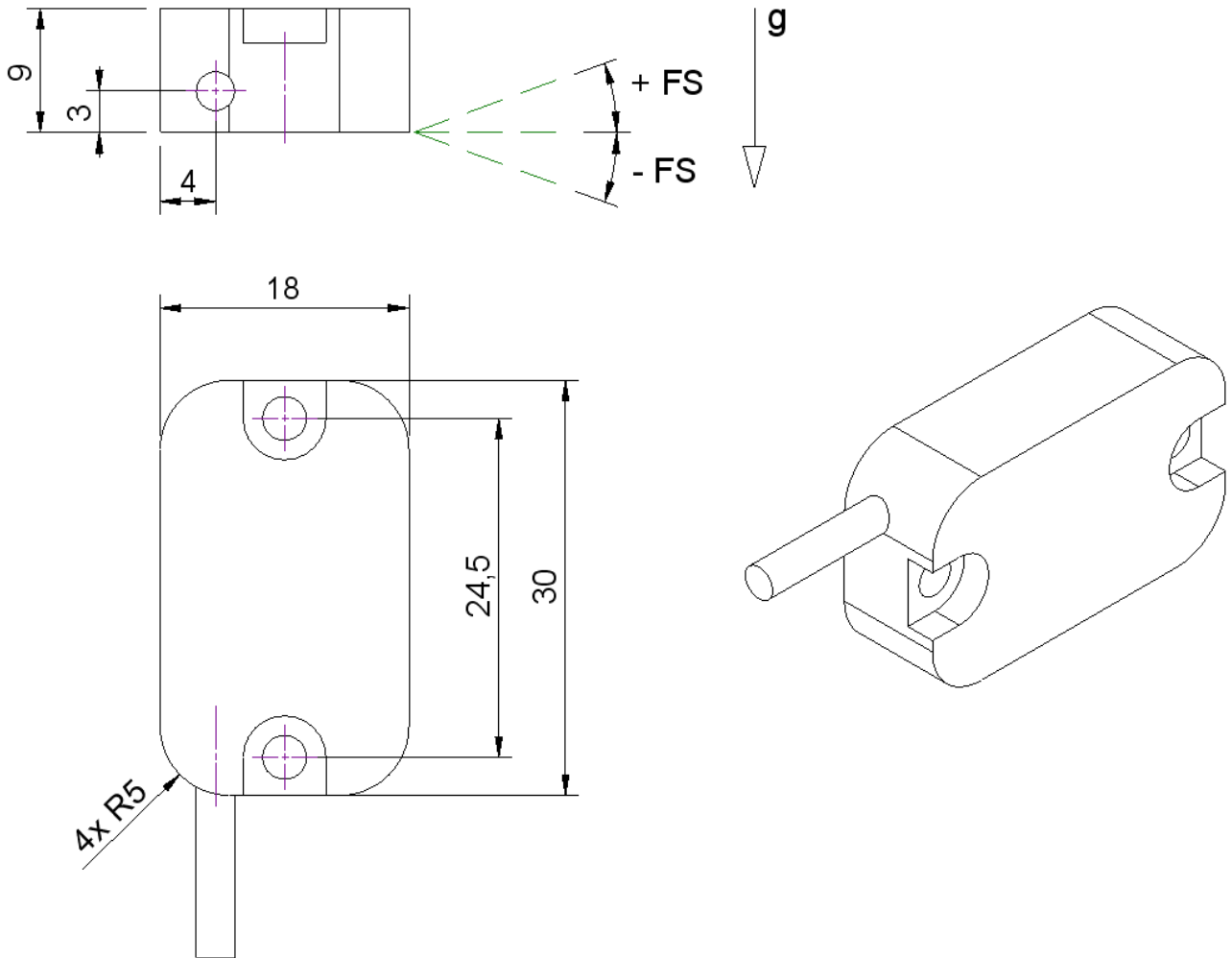


IS28 ± 15 Degree, ± 30 Degree



Description

Dimensions



Technical Data

Basis Data

Type	Inclination sensor
Maximum acceleration	20000 g
Limit frequency	10 Hz
Material	Aluminium alloy

Electrical Data

Characteristic value differential	840 mV/V/FS
Offset of +Ud and -Ud at 0 degree	+Us/2 V
Minimum resistive load against GND	10 kOhm
Maximum capacitive load against GND	20 nF
Rated range of excitation voltage f	4.75 ... 5 V
Operating range of excitation voltage f	4.75 ... 5.25 V
Current consumption	5 mA

Precision

Accuracy class	0,5%
Relative linearity error	0.4 %RD
Temperature effect on zero signal	0.02 %FS/°C
Temperature effect on characteristic value	0.013 %RD/°C
Cross-sensitivity	4 %FS
Long-term stability	0.004 Grad

Connection Data

Connection type	4 conductor open
Name of the connection	STC-31V-4
Cable length	3 m

Temperature

Rated temperature range f	-25 ... 85 °C
Operating temperature range f	-40 ... 120 °C
Storage temperature range f	-55 ... 125 °C



Pin Configuration

Symbol	Description	Wire colour
+Us	positive bridge supply	red
-Us	negative bridge supply	black
+Ud	positive bridge output	green
-Ud	negative bridge output	white

*Pressure load: positive output signal.
Shield- transparent.*