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WIKA LOAD PIN F5301

Thin-film technology

F53011350001
Loadpin 0-5kN 4-20mA 1%



- Force range 5-200 kN
- Stainless steel / IP67
- Accuracy 1 or 2%
- Amplified output signal, 4-20 mA or 0-10 V DC
- ATEX / SIL3 approved options

PRODUCT DESCRIPTION

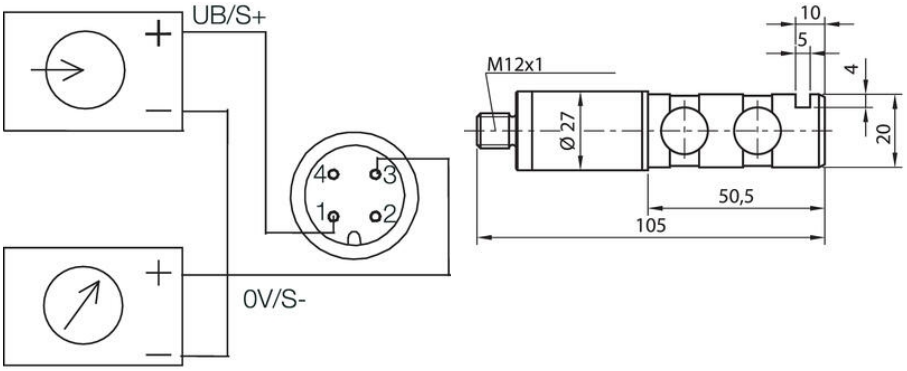
Compact force transducer, designed to be able to replace bolts and axle pins and obtain a continuous measurement of loads and forces in the application. The load stick has an integrated amplified output signal 4-20 mA or 0-10 V, also available with adjustable switching points. Robust measuring cell of thin film technology provides a long service life, good long-term stability and has good properties against shock and vibration. Standard M12 electrical connection for easy assembly. For use as a shoulder stick in e.g. machines, vehicles, loaders, lifting devices, cranes and lifts. The force transducer is made of stainless steel, which makes it very strong and resistant in corrosive and corrosive environments. The load cell meets protection class IP67.

Special designs:

- CANopen design
- SIL3 approved with 2-channel PC control
- 2 alternating output signals PNP alt. NPN
- Alternative dimensions and mountings
- Redundant system for high security
- Alternative electrical connections, output signals and accuracy
- EX-rated design

TECHNICAL DATA

Hysteresis	0.2 %
IP class	IP67
Material	Stainless steel
Power range max	5 kN
Power range min	0
Response time	1 ms
Storage temperature max	85 °C
Storage temperature min	-40 °C
Supply voltage dc max	30 V DC
Supply voltage dc min	10 V DC
Temperature operational max	80 °C
Temperature operational min	-40 °C


UB/S+
0V/S-
4
3
1
2
M12x1
Ø 27
10
5
4
20
50,5
105