

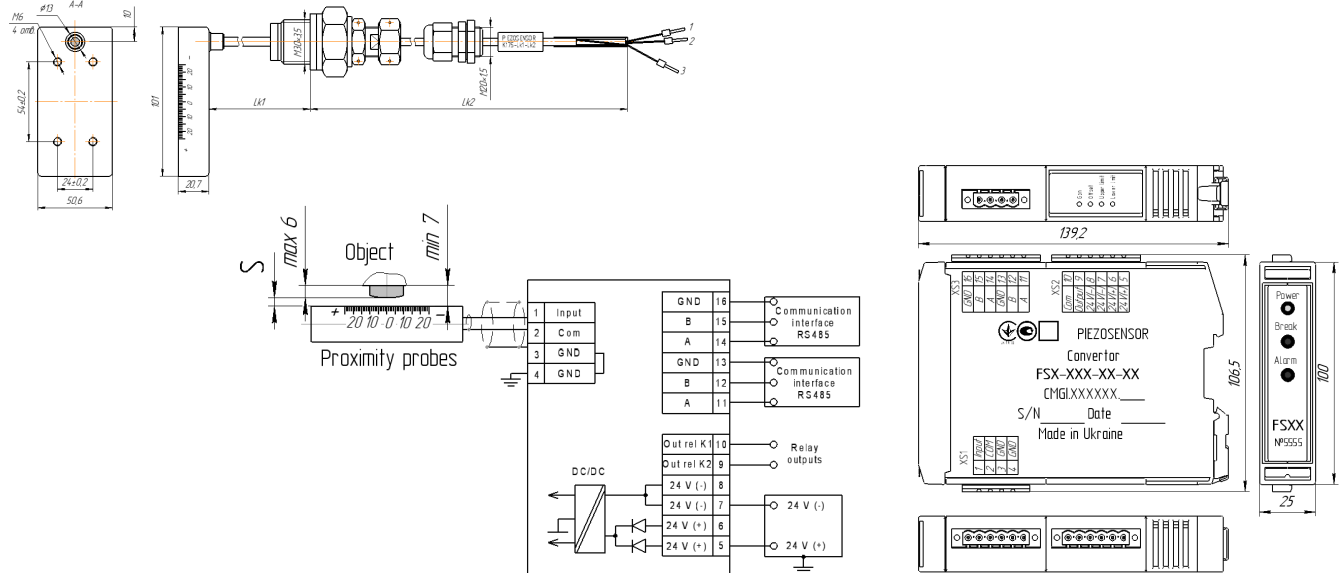
DISPLACEMENT CONVERTER OF SAFETY STRIKER

K/FSB



K/FSB is designed to convert movement of safety circuit breakers into a current signal. Complete with secondary devices K/FSB allows to measure displacements (striker reach).

K/FSB consists of an eddy-current converter K with a connecting cable and an FSB signal conditioner.



Eddy-current converter K, signal conditioner FSB, functional diagram.

Options	Meaning
Sensing distance to the measuring surface, mm	3.0 ± 0.5
Measuring displacement, mm	6
Striker diameter, mm	20 (26)
Permissible displacement of the striker relative to the initial position, mm	± 15
Output signal, mA	4 to 20
Relay switching delay time, s	0.5
Output resistance, Ohm	100 to 500
Output relay contact parameters:	
- switched DC voltage, V	34
- switching voltage of alternating current, V	115
- switched power, W	0.35
Working temperature range, °C:	0 to 180
- proximeters	(- 40 to 180)
- converters	0 to 70
Supply voltage, V	24 ± 6
Current consumption, mA	150
Length of signal cable, m	250
Size FSB, mm	150 × 118 × 45
Size proximeters, mm	101 × 51 × 21
Total length cable, m	1.0 to 15 with a multiplicity of 0.5
Cable length from proximeters to cable gland, m	from 0.5 to 5 with a multiplicity of 0.5
Weight proximeters with a cable 14 m long in a metal hose, kg	2.8
Weight converters, kg,	0.3