

PCC-3

Threshold pressure sensor



Signalling the pressure state of the medium in hydraulic systems of machines and devices operating in mining excavations

- adapted to work in the difficult conditions in the underground of mines
- signalling the exceeded pressure values of the medium in hydraulic systems supplied with oil or oil-in-water emulsion
- measuring range measuring range 0,1 ÷ 45 MPa



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Threshold pressure sensor

TECHNICAL DATA

✓ Metrological parameters	
- pressure setup range	0,1...45 MPa
- maximum pressure	60 MPa
- accuracy of threshold pressure setup	1%
- hysteresis	5 ÷ 10% of the set threshold pressure
- threshold pressure	set by producer
✓ Electrical parameters	
- admissible input parameters	$U_i = 30 \text{ V DC}$, $I_i = 2 \text{ A}$, $L_i = 7 \mu\text{H}$
- output signal	switchable contact: 2 A/30V AC/DC or contact-switchable resistance
- connecting resistance of the connection	5x10 ⁵ cycles
✓ Working conditions	
- working temperature	+5°C...+60°C
- medium	oil, oil-in-water emulsion
✓ Mechanical parameters	
- size	Ø30x135 mm
- weight	about 0.5 kg
- cable length	according to client's requirements, max. 10 m
- process connection	Stecko DN10, metric thread or unified screw thread
- casing protection degree	IP 65

Signalling the pressure state of the medium in hydraulic systems of machines and devices operating in mining excavations.

Anti-explosion structure

CE-type examination certificate

Conformity mark 



I M1 Ex ia I
II 2D Ex ia IIIB T105°C Db

KDB 04ATEX150