



- 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 0,1 – 45 MPa

**SIGNALLING
THE PRESSURE STATE
OF THE MEDIUM
IN HYDRAULIC SYSTEMS
OF MACHINES
AND DEVICES OPERATING
IN MINING
EXCAVATIONS**

The PCC-3 threshold pressure sensor has been designed to signal the exceeded pressure values of the medium in hydraulic systems supplied by oil or oil-in-water emulsion.

Electrical parameters

Admissible input parameters	$U_i = 30\text{ V AC/DC}$, $I_i = 2\text{ A}$, $L_i = 7\text{ }\mu\text{H}$
Output signal	switchable contact: 2A/30V AC/DC or contact-switchable resistance
Connecting resistance of the connection	$5 \times 10^5\text{ }\Omega$

Metrological parameters

Pressure setup range	0,1 ... 45 MPa
Maximum pressure	60 MPa
Accuracy of threshold pressure setup	1%
Hysteresis	5% of the set threshold pressure
Process connection	Stecko DN10, metric thread or unified screw thread

Working conditions

Working temperature	+5°C ... +60°C
Medium	oil, oil-in-water emulsion

Mechanical parameters

Size	30 × 135 mm
Weight	about 0,5 kg
Cable length	according to client's requirements, max. 10 m
Casing protection degree	IP65

■ Flexible setpoint

Anti-explosion structure



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CE-type examination certificate

KDB 04ATEX150

Conformity mark



ORDERS TO: