



- 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**

PCC-3

Technical data

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

$U_i = 30 \text{ V AC/DC}$, $I_i = 2 \text{ A}$, $L_i = 7 \mu\text{H}$

Output signal

switchable contact: 2A/30V AC/DC or contact-switchable resistance

Connecting resistance of the connection

5×10^5 cykli

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



I M1 Ex ia I

CE-type examination certificate

KDB 04ATEX150

Conformity mark



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