

# DCC-1

Two-state pressure sensor.

INTRINSICALLY  
SAFE  
SECURITY SYSTEMS



## DESCRIPTION:

The DCC-1 two-state pressure sensor is a hydraulic component designed to indicate the exceedance of a specified pressure threshold of the working medium in hydraulic systems supplied with oil or oil-water emulsion. The indication is provided by the closing or opening of an electrical output contact. When the pressure falls below the preset threshold, the pressure transducer automatically returns to its default state and the contact switches back to its original position.

## PRODUCT FEATURES:

- operation without supply voltage;
- adjustable switching pressure;
- various types of hydraulic connections;
- multiple contact configuration options.

## APPLICATION AREAS:

- pump units;
- machines and equipment with hydraulic components;
- hydraulic power systems.



## TECHNICAL PARAMETERS:

Measurement range:	0,5 - 45 MPa
Process connection:	Stecko DN10, external thread: M20×1,5 or G1/2
Medium:	oil; oil-water emulsion; other media available on request
Output signal:	changeover contact 2 A / 30 V or switchable resistance (on request)
Electrical connection type:	Hirschmann G series; M12 straight; M12 angled; M16×1,5 cable gland
Dimensions (diameter × length):	ø30 × 120 mm
Operating temperature range:	-20°C to +60°C
IP rating:	IP67
Compliance:	PN-EN IEC 60079:2018-09; PN-EN 60079-11:2012; PN-EN 60079-31:2014-10; PN-EN 50303:2004/Ap1:2005
ATEX and IECEx certifications:	Ex: I M1 Ex ia I Ma; Ex: II 1G Ex ia IIC T6 Ga; Ex: II 1D Ex ta IIIC T80°C Da