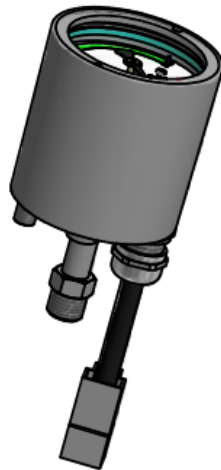


CDM 100 TECHNICAL FEATURES

TEMPERATURE COMPENSATED PRESSURE SWITCH WITH DIAL



1 Materials:

- 1.1 Housing material : EN AB-46100 powder coated RAL9006
- 1.2 Pressure connection material : AISI316L
- 1.3 Bellow material : AISI316L
- 1.4 Viewing glass material : polycarbonate glass, UV and ozone resistant
- 1.5 Inner o.rings material : EPDM70 peroxide cured
- 1.6 Pointer material : aluminium
- 1.7 Cable connection material: Polyamide
- 1.8 Conformity to RoHs directive 2011/65/CE

2 Electrical contacts data:

- 2.1 Contact execution: micro switch
- 2.2 Contact material: pure silver
- Withstand voltage:
 - 2kV, 50Hz for: connections against earth
 - 1kV, 50Hz over opened contacts
- 2.4 Minimum capacity of microswitch contacts:

Rated voltage - 15...+10% (V)	VDC	250	110
Capacity	I (R)	0.25A	0.50A
Capacity	I (L/R= 40ms)	0.10A	0.20A

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- 2.5 Impulse voltage: 5kV according to IEC62271-200
- 2.6 Electrical connection with encoded plug-in terminal block type
- 2.7 Life time :
 - mechanical > 10^7 operations
 - electrical > 50000 operations
- 2.8 Bounce-free type

3 Working conditions:

- 3.1 Mechanical stresses:
- 3.2 Shockproof 30G on 3 axis
- 3.3 Overpressure: x1.25 end of scale
- 3.4 Bursting pressure: 30 bar gauge

4.1 Environmental conditions:

Operating temperature:
 Standard : -25°C to +60°C
 Transport and storage : -40°C to 70°C

5 General features, performance, and accuracy

- 5.1 Temperature compensated pressure switch (patent pending)
- 5.2 Nominal diameter 60 mm
- 5.3 Up to 1 setting level
- 5.4 Independent from altitude
- 5.5 Case IP65 vent by Gore®
- 5.6 Main sensor leakage rate: 1×10^{-9} mbarxl/sec (helium tested)
- 5.7 Contact accuracy: ± 0.05 bar decreasing pressure
 display accuracy in decreasing of operating range (between the lower contact and the filling pressure):
 - between -25 / + 60° C: ± 0.05 bar in the operating range (L1 – filling pressure)
- 5.8 Reset of the contact: before the filling pressure rate
- 5.9 Measurement element vacuum proof
- 5.10 Protection degree (DIN EN 60529): IP65

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