



Ex-DNM10

Ex-DCM / Ex-DNM

Ex II 2G Ex d e IIC T6 Gb

Ex II 1/2D Ex ta/tb IIIC T80 °C Da/Db



SIL 2 according IEC 61508-2

Technical data

Pressure connection

External thread G 1/2 (pressure gauge connection) according to DIN 16 288 and internal thread G 1/4 according to ISO 228 Part 1.

Switching device

Robust housing (700) made of seawater-resistant diecast aluminium GD Al Si 12.

Protection class

IP 65, in vertical position.

Pressure sensor materials

Ex-DNM Metal bellows: 1.4571
Sensor housing: 1.4104
Ex-DCM4016/ Diaphragm: Perbunan
Ex-DCM4025 Sensor housing: 1.4301

Mounting position

Vertically upright.

Ambient temp. at switching device

-20...+60 °C

Max. medium temperature

The maximum medium temperature at the pressure sensor must not exceed the permitted ambient temperature at the switching device. Higher medium temperatures are possible provided the above limit values for the switching device are ensured by suitable measures (e.g. siphon).

Mounting

Directly on the pressure line (pressure gaugeconnection) or on a flat surface with two 4 mm Ø screws.

Switching pressure

Adjustable from outside with screwdriver.

Contact arrangement

Single-pole changeover switch.

Switching capacity	250 VAC		250 VDC	24 VDC
	(ohm)	(ind)	(ohm)	(ohm)
Ex-d	3 A	2 A	0.03 A	3 A

Product Summary

Type	Setting range	Switching differential (mean values)	Max. permissible pressure	Materials in contact with medium	Dimensioned drawing
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Switching differential not adjustable page 25 + 26

Ex-DCM4016	1...16 mbar	2 mbar	1 bar	Perbunan	4 + 11
Ex-DCM4025	4...25 mbar	2 mbar	1 bar	+ 1.4301	4 + 11

For other Ex-devices, see type series VCM, DNS, DDCM, DWR, DGM.

Type	Setting range	Switching differential (mean values)	Max. permissible pressure	Dimensioned drawing
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Ex-DNM10	1...10 bar	0.3 bar	25 bar	4 + 17
Ex-DNM63	16...63 bar	1.0 bar	130 bar	4 + 16

Calibration

The **Ex-DCM/Ex-DNM** series is calibrated for falling pressure. This means that the adjustable switching pressure on the scale corresponds to the switching point at falling pressure. The reset point is higher by the amount of the switching differential. (See also page 27, 1. Calibration at lower switching point).