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## РЕЛЕ ДАВЛЕНИЯ

Технические характеристики на  
серию EX-DDCM





Ex-DDCM1 (stainless steel sensor)

## Ex - DDCM

Ex II 2G Ex d e IIC T6 Gb

Ex II 1/2D Ex ta/tb IIIC T80 °C Da/Db



SIL 2 according to IEC 61508-2

### Technical data

**Pressure connection**  
Internal thread G 1/4

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

**Degree of protection**  
IP 65

**Pressure sensor materials**  
Ex-DDCM014-16:  
Ex-Pressure bellows of 1.4571  
Sensor housing of 1.4305.  
DDCM252-6002:  
Perbunan diaphragm.  
Aluminium sensor housing.

**Mounting position**  
vertically upright.

**Ambient temperature 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 or on a flat surface with two 4 mm Ø screws.  
Note the connection of pressurized lines:  
P (+) = high pressure  
S (-) = low pressure

**Switching pressure**  
Adjustable from outside with screwdriver.

**Scale**  
Type DDCM252-6002 without graduation. Set according to pressure gauge.

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

Type	Setting range (differential pressure)	Switching differential (mean values)	Max.** permissible pressure	Materials in contact with medium	Dimensioned drawing
<b>Switching differential not adjustable</b>					<b>page 21 + 22</b>
<b>Ex-DDCM252*</b>	4...25 mbar	2 mbar	0.5 bar		
<b>Ex-DDCM662*</b>	10...60 mbar	15 mbar	1.5 bar	Aluminium	3 + 20
<b>Ex-DDCM1602*</b>	20...160 mbar	20 mbar	3 bar	+ Perbunan	
<b>Ex-DDCM6002*</b>	100...600 mbar	35 mbar	3 bar		
<b>Ex-DDCM014*</b>	-0.1...0.4 bar	0.15 bar	15 bar		
<b>Ex-DDCM1</b>	0.2...1.6 bar	0.13 bar	15 bar	stainless steel	
<b>Ex-DDCM4*</b>	1...4 bar	0.2 bar	25 bar	1.4305 +	3 + 21
<b>Ex-DDCM6</b>	0.5...6 bar	0.2 bar	15 bar	1.4571	
<b>Ex-DDCM16</b>	3...16 bar	0.6 bar	25 bar		

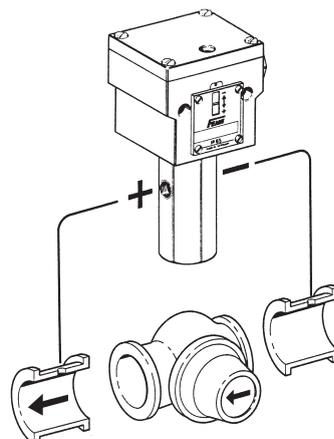
\* without graduation (only ± scale)

\*\* also loadable on one side

**+ Accessories:** · Threaded joint with male adapter union G 1/4"/8 mm MAU8/Ms and MAU8/Nst page 145  
· Valve combinations VKD3 and VKD5, page 14

### Calibration

The **Ex-DDCM** 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 17, 1. Calibration at lower switching point).



### Pump monitoring application example

The differential pressure switch (e.g. Ex-DDCM1) monitors differential pressure through the pump. The system shuts down if values fall below an adjustable switching threshold. Pump monitoring does not depend on the static pressure in the system.

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