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## РЕЛЕ ДАВЛЕНИЯ

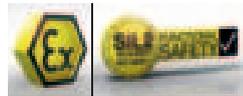
Технические характеристики на  
серию EX-DWR





# Ex - DWR

- 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

Ex-DWR25

## Technical data

### Pressure connection

External thread G 1/2 (pressure gauge connection) to DIN 16 288 and internal thread G 1/4 to ISO 228 Part 1 (for gas applications internal thread permissible only up to 4 bar).

### Switching device

Rugged housing (700) made of seawater-resistant diecast aluminium.

### Materials

Pressure bellows: Material no. 1.4571  
 Sensor housing: Material no. 1.4104  
 Switch housing: GD Al Si 12 (DIN 1725)

### Mounting position

Vertically upright

### Ambient temperature at switching device

-20 to +60°C.  
 Medium temperature -25 to +60°C. 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 gauge connection) or on a flat surface with two 4 mm Ø screws.

### Calibration

The DWR series is calibrated for rising pressure. This means that the adjustable switching pressure on the scale corresponds to the switching point at rising pressure. The reset point is lower by the amount of the switching differential. (See also page 23, 2. Calibration at upper switching point).

### Bursting pressure

For all types ≥ 100 bar, verified by TÜV test.

Switching capacity	Contact arrangement Single pole switching switch			
	150 VAC	250 VDC	24 VDC	
	(ohm)	(ind)	(ohm)	(ohm)
Ex-d	3 A	2 A	0.03 A	3 A

**Degree of protection** IP 65, only vertically upright

**Ex protection**  
 EEx de IIC T6

## Component tested for

**Steam** Systems according to TRD 604  
**Hot water** Systems according to DIN  
**Fuel gases** EN12828 DVGW Worksheet G 260  
**Pressure tank** DIN EN764-7

## Function

Pressure monitor or pressure limiter (with external interlock)

## Direction of action

**For maximum and minimum pressure monitoring (DWFS, SDBFS)**

## Sensor

**"of special construction"** by testing with 2 million cycles.

## Product Summary

Type	Setting	range	Maximum	Dimen-
Switching		differential	working	sioned
		(mean values)	pressure	drawing
<b>Switching differential not adjustable</b>				<b>page 21 + 22</b>
<b>Ex-DWR06</b>	0.1...0.6 bar	0.04 bar	6 bar	4 + 15
<b>Ex-DWR1</b>	0.2...1.6 bar	0.06 bar		
<b>Ex-DWR3</b>	0.2...2.5 bar	0.1 bar	16 bar	4 + 18
<b>Ex-DWR6</b>	0.5...6 bar	0.2 bar		
<b>Ex-DWR625</b>	0.5...6 bar	0.25 bar	25 bar	4 + 17
<b>Ex-DWR16</b>	3...16 bar	0.5 bar		
<b>Ex-DWR25</b>	4...25 bar	1.0 bar	63 bar	4 + 16
<b>Ex-DWR40</b>	8...40 bar	1.3 bar		

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