



since 1893

# Control pressure switch MDR 43

Controls &amp; Solutions

...the inventor of the pressure switch



## Control pressure switch MDR 43

**Max. cut-out pressure 16 bar**  
**Transparent cover**  
**1 N.C. + 1 N.O.**  
**Acc. to EN 60947**

### Type overview MDR 43

Order reference	ON / OFF Rotary knob	Pressure range $P_{OFF}$ in bar	Flange	Weight in g	Part No.
MDR-43 BAA BAAA xxxxA020 XAA XXX	-	0,5 - 3	1/2"	420	212775
MDR-43 BBA BAAA xxxxA020 XAA XXX	-	0,5 - 3	1/4"	420	212782
MDR-43 DAA BAAA xxxxA040 XAA XXX	-	2,5 - 6	1/2"	420	212799
MDR-43 DBA BAAA xxxxA040 XAA XXX	-	2,5 - 6	1/4"	420	212805
MDR-43 GAA BAAA xxxxA090 XAA XXX	-	5 - 11	1/2"	420	212812
MDR-43 GBA BAAA xxxxA090 XAA XXX	-	5 - 11	1/4"	420	212829
MDR-43 HAA BAAA xxxxA120 XAA XXX	-	8 - 16	1/2"	420	212836
MDR-43 HBA BAAA xxxxA120 XAA XXX	-	8 - 16	1/4"	420	212843

Cut-in pressure is  
tightest possible      ↑      The cut-out pressure is preset  
pressure differential

Cable glands for retrofit assembly to be ordered separately, see accessories

### Technical Data MDR 43

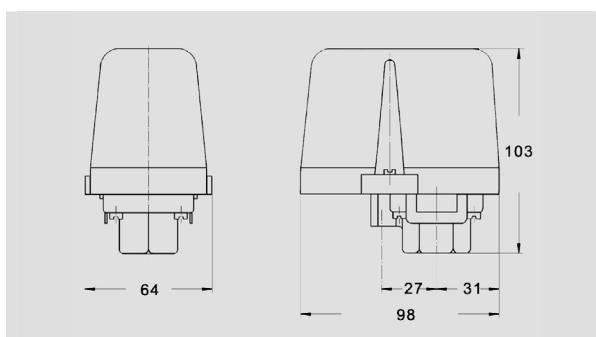
Technical Data MDR 43 acc. to EN 60947	
Rated insulation voltage $U_i$	500 V
Rated operating voltage $U_e$ (AC 15)	250 V
Rated operating current $I_e$ (AC 15)	8 A
Rated operational current $I_e$ (max)	10 A
Electrical life (AC 15) Cycles	$> 1.5 \times 10^5$
Mechanical life Cycles	$> 1 \times 10^6$
Max. electrical cycles Cycles/h	120
Max. mechanical cycles Cycles/h	600
Bursting strength $P_z$	$> 60$ bar

Technical Data MDR 43 acc. to EN 60947	
Permissible medium temperature Air	- 30...+ 80 °C
Permissible medium temperature Water	+ 80 °C
Conductor cross-section 1 .. flexible cable 1 x / 2 x	2.5 / 2.5mm <sup>2</sup>
Conductor cross-section 1 rigid cable 1 x / 2 x	2.5 / 2.5mm <sup>2</sup>

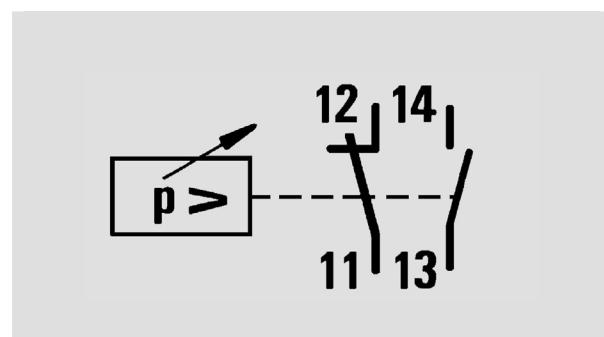
Diaphragm media resistance MDR 43	
Acetylene, Butane, Natural gas, Petroleum, Vinegar 25 %, Glycerol, Carbon dioxide, Air, Propane, Sulphur dioxide, Silicon oil, Water, Distilled water, Hydrogen, Sea water	resistant

A detailed overview of diaphragm media resistance for all pressure switches can be found on page 2.11.

### Dimensions / Circuit Diagrams MDR 43



Pressure switch MDR 43



## Accessories MDR 43

Order reference	Description	Weight in g	Part No.
<b>WN</b>	<b>Cable glands</b>		
<b>PG 11 G</b>	Grommet	6	<b>200888</b>
<b>PG 11 V</b>	Conduits for mounting cable glands (inner thread)	6	<b>200895</b>
<b>PG 11 Z</b>	Cable glands complete	12	<b>200901</b>
<b>PG 11 ZK</b>	With strain relief	12	<b>200925</b>
<b>PG 13,5 G</b>	With strain relief and cable support	12	<b>200918</b>
<b>PG 13,5 V</b>	Conduits for mounting cable glands (inner thread)	6	<b>200963</b>
<b>PG 13,5 Z</b>	Cable glands complete	12	<b>200932</b>
<b>PG 13,5 ZK</b>	With strain relief	12	<b>200956</b>
<b>PG 13,5 ZK</b>	With strain relief and cable support	12	<b>200949</b>
<b>MW 4</b>	Mounting bracket for MDR 4 and MDR 43	65	<b>230021</b>
<b>H43</b> (Cover MDR 43)	<b>Cover</b> Cover (Transparent)	70	<b>230038</b>

## Wall-mounting bracket / Cable glands MDR 43



MW 4

WN

PG .. G

PG .. V

PG .. Z

PG .. ZK

## Pressure Diagrams MDR 43

