

Pressure switches



Pressure switches with diaphragms for compressors

MDR

Media: Air, water (MDR 3 ... RM and MDR 53, many other media also possible)
Protection class: IP 54 (MDR 2: IP 44)

Type without rotary switch	Type with rotary switch	Settings range	Press. conn.	Other conn.*	Switching capacity
MDR 2/11	MDR 2/11 K	4 - 12 bar	G 1/4"	3 x 1/4"	1-pin 230V-2.2kW
MDR 3/6	MDR 3/6 K	1.3 - 6 bar	G 1/2"	---	3-pole 230V-5.5kW / 400V-7.5kW
MDR 3/11	MDR 3/11 K	4 - 11 bar	G 1/2"	3 x 1/4"	3-pole 230V-5.5kW / 400V-7.5kW
MDR 3/16	MDR 3/16 K	6 - 16 bar	G 1/2"	3 x 1/4"	3-pole 230V-5.5kW / 400V-7.5kW
MDR 3/25	MDR 3/25 K	7.5 - 25 bar	G 1/2"	---	3-pole 230V-5.5kW / 400V-7.5kW
MDR 3/35	MDR 3/35 K	12 - 35 bar	G 1/2"	---	3-pole 230V-5.5kW / 400V-7.5kW
---	MDR 4S/11 K	4 - 11 bar	G 1/2"	1 x 1/4"	3-pole 230V-4.0kW / 400V-5.5kW
With roller type diaphragm for small pressure differences, enhanced medium tolerance					
MDR 3/6 RM	---	1 - 6 bar	G 1/2"	---	3-pole 230V-5.5kW / 400V-7.5kW
MDR 3/10 RM	MDR 3/10 K RM	3 - 10 bar	G 1/2"	---	3-pole 230V-5.5kW / 400V-7.5kW
MDR 3/16 RM	MDR 3/16 K RM	5 - 16 bar	G 1/2"	---	3-pole 230V-5.5kW / 400V-7.5kW

Type without pushbutton	Type with pushbutton**	Settings range	Press. conn.	Switching capacity
MDR 5/5	MDR 5/5 K	1.5 - 5 bar	G 1/2"	3-pin 230V-4kW / 400V-5.5kW
MDR 5/8	MDR 5/8 K	2 - 8 bar	G 1/2"	3-pin 230V-4kW / 400V-5.5kW
MDR 5/11	MDR 5/11 K	2 - 11 bar	G 1/2"	3-pin 230V-4kW / 400V-5.5kW
MDR 5/16	MDR 5/16 K	2.5 - 16 bar	G 1/2"	3-pin 230V-4kW / 400V-5.5kW

Control pressure switch for screw compressors				
MDR 53/8		1 - 8 bar	G 1/2"	1 changeover contact
MDR 53/11		6 - 11 bar	G 1/2"	1 changeover contact
MDR 53/16		6 - 16 bar	G 1/2"	1 changeover contact

* only for rotary switch type

! ** Only to be used with overload relays for switching on and off use

Overload relay (overload relays)

for MDR pressure switches

Type for MDR 3/... K	Settings range	Type for MDR 5/... K	Settings range
R 3/1,0	0.63 - 1 A	R 5/1,5	0.86 - 1.5 A
R 3/1,6	1 - 1.6 A	R 5/2,45	1.5 - 2.45 A
R 3/2,5	1.6 - 2.5 A	R 5/4,2	2.4 - 4.2 A
R 3/4	2.5 - 4 A	R 5/7	4 - 7 A
R 3/6,3	4 - 6.3 A	R 5/10,3	6.1 - 10.3 A
R 3/10	6.3 - 10 A	R 5/14	9 - 14 A
R 3/16	10 - 16 A	R 5/18	11 - 18 A
R 3/20*	16 - 20 A		
R 3/24*	20 - 24 A		

* higher switching capacity available on request

Accessories - replacement diaphragms

for MDR pressure switches

Type	For pressure switches
MDR MEM 2	MDR 2/...
MDR MEM 3	MDR 3/...
MDR MEM RM	MDR 3/... RM
MDR MEM 5	MDR 5/...

Accessories - replacement hoods

for MDR pressure switches

Type without rotary switch/pushbutton	Type with rotary switch/pushbutton	For pressure switches
MDRH 2	MDRH 2 K	MDR 2/...
MDRH 3	MDRH 3 K	MDR 3/...
MDRH 5	MDRH 5 K	MDR 5/...

Accessories - relief valves

for MDR pressure switches

Type	Operating pressure	For pressure switches
6 mm push-in fitting		
MDR ENTLAST 2	Up to 12 bar	MDR 2/...
6 mm cutting ring		
MDR ENTLAST 3/4	Up to 16 bar	MDR 3/... and MDR 4/...
MDR ENTLAST 5	Up to 16 bar	MDR 5/...



All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.