

High performance pressure switches for AC currents

Overview



Type designation	MDR 1	MDR 1	MDR 11	MDR 11	MDR 2	MDR 21
Media *1	air	water	air	water	air / water	air / water
No. of poles	2 pole	2 pole	2 pole	2 pole	2 pole	2 pole
Contact function	2 N.C.	2 N.C.	2 N.C.	2 N.C.	2 N.C.	2 N.C.
Voltage	230 V	230 V	230 V	230 V	230 V	230 V
Motor switching capacity	4,0 kW	4,0 kW	4,0 kW	4,0 kW	2,2 kW	2,2 kW
Rated current	20 A	20 A	20 A	20 A	16 A	24 A
Flange types *2	G 1/4" F4 1/4" F4 3/8" F4 1/4" NPT Innerthread (Die-cast aluminium)	G 1/4" steel G 1/4" steel Ü	G 1/4" F4 1/4" F4 3/8" F4 1/4" NPT Innerthread (Die-cast aluminium)	G 1/4" steel G 1/4" steel Ü	G 1/4" F4 1/4" F4 3/8" F4 1/2" Innerthread (Die-cast aluminium)	G 1/4" F4 1/4" F4 3/8" F4 1/2" NPT
Pressure ranges (bar) Cut-out pressure from - to	1 2,5 - 11	1 2,5 - 6	1 2,5 - 11	1 2,5 - 6	2 1,5 - 12	2 1,5 - 12
Degree of Protection	IP 44	IP 44	IP 41/44	IP 41/44	IP 44	IP 41/44
Permissible media temperature: Air	-5...80 °C		-5...80 °C		-5...80 °C	-5...80 °C
Permissible media temperature: Water		70 °C		70 °C		
Max. cross-section (fine stranded)	2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ² *	2,5 mm ²	2,5 mm ²
Standard Cable glands	with PG 11 Z/ZK	with PG 11 Z/ZK	with PG 13,5 Z/ZK	with PG 13,5 Z/ZK	with 2 x WN *4 (Accessory PG11 – 13,5)	with 2 x WN *4 (Accessory PG11 – 13,5)
Standard On / Off lever	with/without EA	with/without EA	with EA	with EA	with/without EA	with/without EA
Standard Differential setting	with differential setting	with differential setting	with differential setting	with differential setting	with differential setting	with differential setting
Standard Delayed (AEV) Unloader valve (EV)	with AEV (Accessory EV)	without	with AEV (Accessory EV)	without	without (Accessory EV, AEV)	without (Accessory EV, AEV)
Type designation	KEMA	KEMA	CSA / UL / KEMA	CSA / UL / KEMA	KEMA	CSA / UL / KEMA

* Table refers to catalogue product

*1 Preferred / most used media, further media, see table on page 22 or on demand

*2 e.g. four-way flange F4 3/8" (main connection G3/8", additionally 3 x G 1/4" ports)

*3 Ü = switch need not be turned, use swivel nut for mounting

*4 WN = grommet