

Overview



Type designation	MDR 3	MDR 4	MDR 4 SD	MDR 4 SU	MDR 5
Media ^{*1}	Air and water	Air and water	Air and water	Air and water	Air and water
No. of poles	3 pole	3 pole	3 pole	3 pole	3 pole
Contact function	3 NC	3 NC	3 NC	3 NO	3 NC
Voltage ^{*3}	400 V	400 V	400 V	400 V	400 V
Motor switching capacity	7,5 kW (11 kW ^{*6})	5,5 kW	5,5 kW	4 kW	5,5 kW
Rated current	24 A	20 A	20 A	16 A	16 A
Flange types ^{*2}	G 1/2" G 1/4" F4 1/2" F4 3/8" F4 1/4" F4 1/4" NPT Innerthread - Die-cast aluminium	G 1/2" G 1/4" G 1/2" + G 1/4" F4 1/2" F4 3/8" F4 1/4" Innerthread - Die-cast aluminium	G 1/2" G 1/4" Innerthread - Die-cast aluminium	G 1/2" Innerthread - Die-cast aluminium	G 1/2" G 1/2" + G 1/4" Innerthread - Die-cast aluminium - Stainless steel - brass
Pressure ranges (bar) Cut-out pressure from - to	5 1,3 - 35	3 1,5 - 16	2 1,5 - 11	3 1,5 - 16	5 1,5 - 45
Degree of protection	IP 54	IP 44	IP 44	IP 44	IP 54 / IP 65 ^{*5}
Permissible media temperature: Air	-5...80 °C	-5...80 °C	-5...80 °C	-5...80 °C	-5...80 °C
Permissible media temperature: Water	80 °C	80 °C	80 °C	80 °C	80 °C
max. cross-section (fine stranded)	4,0 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²
Standard Cable glands	with 2 x WN ^{*4} (Accessory PG11 - 16)	with 2 x WN ^{*4} (Accessory PG11 - 13,5)	with 2 x WN ^{*4} (Accessory PG11 - 13,5)	with 2 x WN ^{*4} (Accessory PG11 - 13,5)	without (Accessory M 20)
Standard On / Off lever	with/without EA	with/without EA	without EA	without EA	with/without EA
Standard Differential setting	with differential setting with	with differential setting	with differential setting	with differential setting	with differential setting
Type designation	CSA / UL / KEMA	KEMA			KEMA
Standard delayed (AEV) – unloader valve (EV)	without (Accessory EV, AEV)	without (Accessory EV, AEV)	without (Accessory EV, AEV)	without (Accessory EV, AEV)	without (Accessory EV, AEV)

* 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} Higher voltages on demand

^{*4} WN = grommets

^{*5} Special execution without on / off switch

^{*6} 11 kW on request