

Control pressure switch



Overview



Type designation	MDR F..H Die-cast aluminum	MDR-F..Y Plastic	MDR-F..HE Stainless steel	MDR-F..HH High pressure	MDR-F.. Reset function
Contact function	1 SPDT*2	1 SPDT*2	1 SPDT*2	1 SPDT*2	1 SPDT*2
Voltage	230 V	230 V	230 V	230 V	230 V
Motor switching capacity	0.55 kW	0.55 kW	0.55 kW	0.55 kW	0.55 kW
Current AC 15	4 A	4 A	4 A	4 A	4 A
Flange types Standard (bold)	G 3/8" G 1/2" G 1/4" 1/4" NPT Inner thread (Die-cast aluminum)	G 3/8" Inner thread (plastic)	G 1/4" Inner thread (Stainless steel)	G 3/8" Inner thread (Stainless steel + throttle)	G 3/8" Further flanges on demand
Pressure ranges (bar) Cut-out pressure from - to	6 0.11 - 32	5 0.11 - 16	2 1 - 30	3 8 - 250	as MDR-F..H further pressure ranges on demand
Degree of Protection	IP 54 / IP 65	IP 54 / IP 65	IP 54 / IP 65	IP 54 / IP 65	IP 54 / IP 65
Cable glands	WN / M 20	WN / M 20	WN / M 20	WN / M 20	WN / M 20
Permissible media temperature	70 °C	70 °C	200 °C	70 °C	70 °C

*2 = SPDT with gold-flashed contacts for special applications on demand

Control pressure switch



Overview



Type designation	MDR 43	MDR 53	FF 142	FFg 142	PS 1
Contact function	1 NC 1 NO	1 SPDT*2	2 SPDT's*2	2 SPDT's*2	1 SPDT*2
Voltage	230 V	230 V	230 V	230 V	230 V
Motor switching capacity	1.1 kW	0.55 kW	0.55 kW	0.55 kW	1.1 kW
Current AC 15	8 A	4 A	6 A	6 A	10 A
Flange types	G 1/2" G 1/4" Inner thread (Die-cast aluminum)	G 1/2" Inner thread (Die-cast aluminum)	G 3/8" Inner thread (Plastic) G 1/4" Outer thread (Steel)	G 3/8" Inner thread (Plastic) G 1/4" Outer thread (Steel)	G 1/4" Inner thread (Bronze)
Pressure ranges	4	4	7	6	6
Cut-out pressure from ... to	0.5 - 16 bar	0.3 - 16 bar	-0.4 - 40 bar	-0.4 - 40 bar	-0.8 - 31
Degree of Protection	IP 44	IP 54	IP 55	IP 65	IP 44
Cable glands	PG 11 – 13.5	PG 11 – 16	PG 13.5	PG 13.5	PG 13.5
Permissible media temperature	80 °C	80 °C	- 30 .. + 70 °C	- 30 .. + 70 °C	-50..+70 °C

*2 = SPDT with gold-flashed contacts for special applications on demand