

# High performance pressure switches for 3-phase currents



## Overview



Type designation*	MDR 3	MDR 4 S	MDR 4 SD	MDR 4 SU	MDR 5
Media * <sup>1</sup>	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 * <sup>3</sup>	400 V	400 V	400 V	400 V	400 V
Motor switching capacity	7.5 kW (11 kW)	5.5 kW	5.5 kW	4 kW	5.5 kW
Rated current	24 A	20 A	20 A	16 A	25 A
Flange types * <sup>2</sup>	G 1/2" G 1/4" F4 1/2" F4 3/8" F4 1/4" F4 1/4" NPT	G 1/2" G 1/4" G 1/2" + G 1/4"	G 1/2" G 1/4"	G 1/2"	G 1/2" G 1/2" + G 1/4"
Pressure ranges (bar)	5	3	2	3	4
Cut-out pressure from - to	1.3 – 35	1.5 – 16	1.5 – 11	1.5 – 16	1.5 – 16
Degree of Protection	IP 54	IP 44	IP 44	IP 44	IP 54
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 <sup>2</sup>	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Standard Cable glands	with 2 x WN * <sup>4</sup> (Accessory PG11 - 16)	with 2 x WN * <sup>4</sup> (Accessory PG11 - 13)	with 2 x WN * <sup>4</sup> (Accessory PG11 - 13)	with 2 x WN * <sup>4</sup> (Accessory PG11 - 13)	without (Accessory PG11 - 16)
Standard On / Off lever	with/without EA	with/without EA	without EA	without EA	with/without EA
Standard Differential setting	with differential setting	with differential setting	with differential setting	with differential setting	with differential setting
Standard delayed (AEV) – unloader valve (EV)	without (accessory EV, AEV)	without (accessory EV, AEV)	without (accessory EV, AEV)	without	without (accessory EV, AEV)

\* Table refers to catalogue product

\*<sup>1</sup> Preferred / most used media, further media, see table on page 2.11 or on demand

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

\*<sup>3</sup> Higher voltages on demand

\*<sup>4</sup> WN = grommets