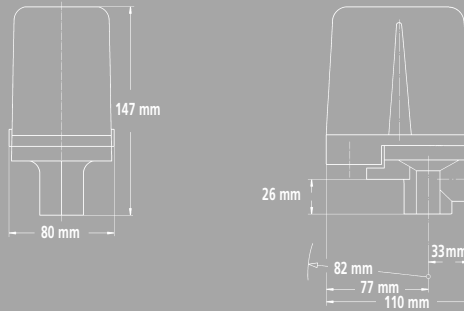


Control pressure switch MDR 53



max. cut-out pressure 16 bar

Control current; high switching accuracy



TYPES

Control pressure switch
1 change-over

Order reference	ON / OFF Switchknob	Pressure range P _{OFF} (bar)	Flange	Weight (g)	Part No.
MDR 53 EAA BAAA 075A080 XXX XXX	-	0.5 - 8	1/2"	740	213079
MDR 53 GAA BAAA xxxA110 XXX XXX*	-	6 - 11	1/2"	780	216919
MDR 53 HAA BAAA 155A160 XXX XXX	-	6 - 16	1/2"	780	213086
MDR 53 NAA BAAA xxxA030 XXX XXX**	-	up to 3	1/2"	740	213130
MDR 53 OAA BAAA xxxA080 XXX XXX**	-	up to 8	1/2"	740	213147

* xxx = Cut-out pressure is preset, cut-in pressure is the tightest possible pressure differential.

** xxx = Cut-out pressure is preset, cut-in pressure is the tightest possible pressure differential and pressure-resistant up to 25 bar, SO-Type. A screw plug is also supplied.

Cable glands for retrofit assembly to be ordered separately, see Accessories!

TECHNICAL DATA

acc. to DIN EN 60947
UL / CSA

Rated insulation voltage U _i	250 V
Rated operating voltage U _e (AC 15)	250 V
Rated operating current I _e (AC 15)	4 A
Electrical life (AC 15) Cycles	> 2 x 10 ⁵
Mechanical life Cycles	> 2 x 10 ⁵
Max. electrical cycles Cycles/h	120
Max. mechanical cycles Cycles/h	1200

Rated operating current I _e	10 A
Bursting strength P _z	> 40 bar
Permissible medium temperature Air	-5...+ 80 °C
Permissible medium temperature Water	+ 80 °C
Protection acc. to EN 60529	IP 54
Conductor cross-section 1 ... flexible cable 1 x	2.5 mm ²
Conductor cross-section 1 ... rigid cable 1 x	2.5 mm ²

DIAPHRAGM MEDIA RESISTANCE

resistance

Acetylene · Alcohol · Butane · Natural gas · Crude oil · Venigar
Anti-freezing agent · Glycol · Marsh gas · Carbon oxide
Carbon dioxide · Laughing gas · Air (clean, oily) · Sea water
Methane · Motor oils · Nitroglycerine · Propane
Testing media ASTM I · Roasting gases · Sulfar dioxide
Silicon oils · Washing powder · Water · Hydrogen

Control pressure switch MDR 53



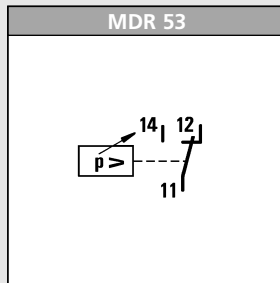
ACCESSORIES



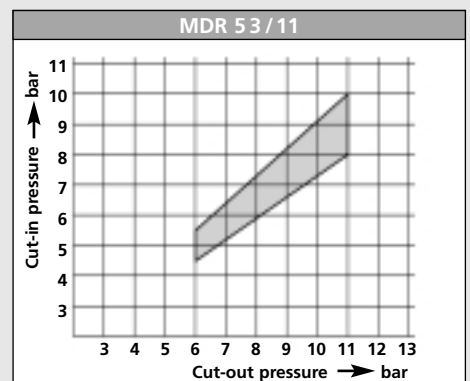
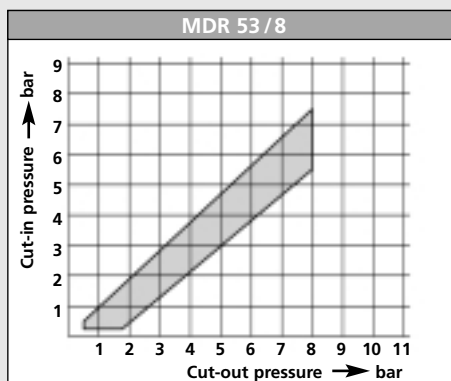
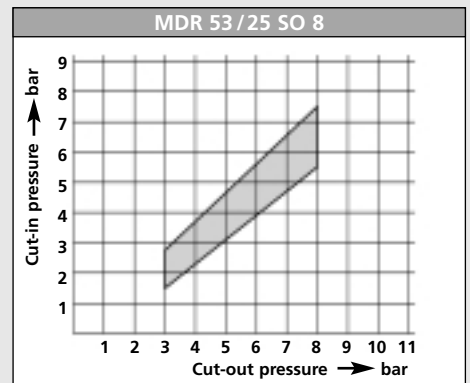
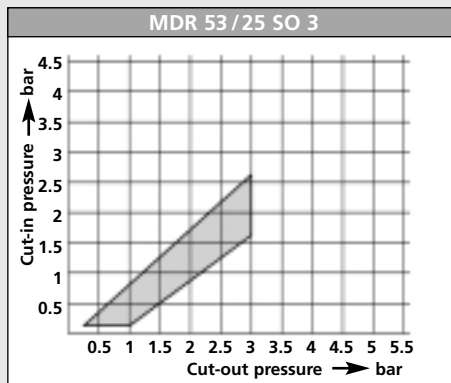
Pg 16 V

Order reference	Description	Weight (g)	Part No.
Cable glands			
WN 5	Screw plug PG 16	6	201953
PG 16 V	complete	12	201960
PG 16 Z	with strain relief	12	201977
PG 16 ZK	with strain relief and cable support	12	201984
PG 16/13,5 Z	reduced to PG 13.5 with strain relief	12	202004
PG 16/13,5 ZK	reduced to PG 13.5 with strain relief and cable support	12	202011
PG 16/11 V	reduced to PG 11	12	201991
MW5	Wall-mounting adapter	120	230045
Cover			
H5 Cover	Cover without push-buttons	130	230052

CIRCUIT DIAGRAM



PRESSURE DIAGRAMS



Control pressure switch MDR 53



PRESSURE DIAGRAMS

