

Pressure switches 30 A/F

Technical details

M.7
30 A/F

Suco

Temperature resistance of sealing materials:	NBR (in diaphragm pressure switch)	-40 °C ... +100 °C
	NBR (in piston pressure switch)	-30 °C ... +100 °C
	EPDM	-30 °C ... +120 °C
	FKM (in diaphragm pressure switch)	-5 °C ... +120 °C
	FKM (in piston pressure switch)	-15 °C ... +120 °C
Switching frequency:	200 / min	
Mechanical life expectancy:	1,000,000 cycles (for diaphragm pressure switches, life expectancy value only applies for switching pressures up to 50 bar)	
Pressure rise rate:	≤ 1 bar/ms	
Hysteresis:	Type 0159:	approx. 10 ... 30 % (not adjustable)
	Types 0161, 0162, 0175:	approx. 10 ... 30 % (factory adjustable)
Vibration resistance:	10 g; 5 ... 200 Hz sine wave; DIN EN 60068-2-6	
Shock resistance:	294 m/s ² ; 14 ms half sine wave; DIN EN 60068-2-27	
Housing material:	Aluminium	
Protection class:	IP65 with Socket device fitted, otherwise IP00	
Weight	Types 0159, 0161, 0162:	approx. 240 g
	Type 0175:	approx. 310 g

Electrical values	0159	0161 / 0162 / 0175
Rated working voltage U_e :	Rated working current I_e :	
250V AC 50/60 Hz, AC 12	2.5 A	5 A
250V AC 50/60 Hz, AC 14	1 A	1 A
24V DC, DC 12 / DC 13	2 / 2 A	3.5 / 3.5 A
50V DC, DC 12 / DC 13	1 / 0.5 A	2 / 1 A
75V DC, DC 12 / DC 13	0.75 / 0.4 A	1 / 0.5 A
125V DC, DC 12 / DC 13	0.3 / 0.2 A	0.3 / 0.2 A
250V DC, DC 12 / DC 13	0.3 / 0.2 A	0.25 / 0.2 A
Rated insulation voltage U_i :	300 V	
Rated impulse withstand voltage U_{imp} :	2.5 kV	
Conventional thermal current I_{th} :	6 A	
Switching overvoltage:	< 2.5 kV	
Rated frequency:	DC and 50/60 Hz	
Nominal current of short-circuit mechanism:	to 2.5 A	to 6.3 A
Conditional short-circuit current:	< 350 A	
Tightening torque of terminal screws:	< 0.35 Nm	
Connector cross-section:	0.5 - 1.5 mm ²	

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