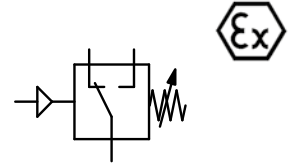


Description	The pressure switch closes or opens an electrical contact when the desired pressure is reached. When the pressure falls below the adjusted setpoint, the contact will be reset.	
Media	compressed air or non-corrosive gases	
Overpressure	see chart for max. static pressure,	Switch contact SPDT switch
Contact load	DS34: 1 A at 230 V AC,	dynamic pressures are 50% lower
ATEX version	DS34: II 3D IP 65 T90°C	DS35: 2 A at 230 V AC
Electrical connector	3-wire connection cable, length 2 m, cross-sectional area 0.75 mm ² at DS34 or 0.5 mm ² at DS35	DS35: II 2G Ex d II C T6/T5
Hysteresis	< 25% FS, ca. 10% FS in the lower range	Switching frequency 200 cycles/min
Life cycle	10 ⁸ switching cycles at < 50 bar	Shock resistance 30 g
Vibration resistance	10 g at 5...200 Hz	Protection class IP 65
Mounting position	any	
Temperature range	-20 °C to 80 °C / 23 °F to 176 °F for NBR/Buna-N and EPDM -5 °C to 80 °C / 23 °F to 176 °F for FKM	
Material	Body: zinc-plated steel at DS34, aluminium at DS35 Elastomer: NBR/Buna-N,	optionally EPDM or FKM



**0.3 ... 1.5 / 400 bar
dust- and gas-proof**

Pressure transmission by	Overpressure protection < bar	Measurement tolerance ± bar	Measurement range bar	Order number
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Pressure switch G ¹ / ₄ male	SPDT switch 230 V AC, 1A	dust-proof	II 3D IP 65 T90°C	DS34
diaphragm	300	0.2	0.3 ... 1.5	DS34-A
		0.5 - 1.0	1.0 ... 10	DS34-B
		1.0	10 ... 20	DS34-C
		2.0	20 ... 50	DS34-D
piston	600	5.0	50 ... 150	DS34-E



DS34, dust protection

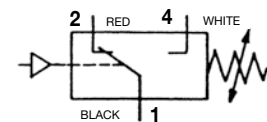
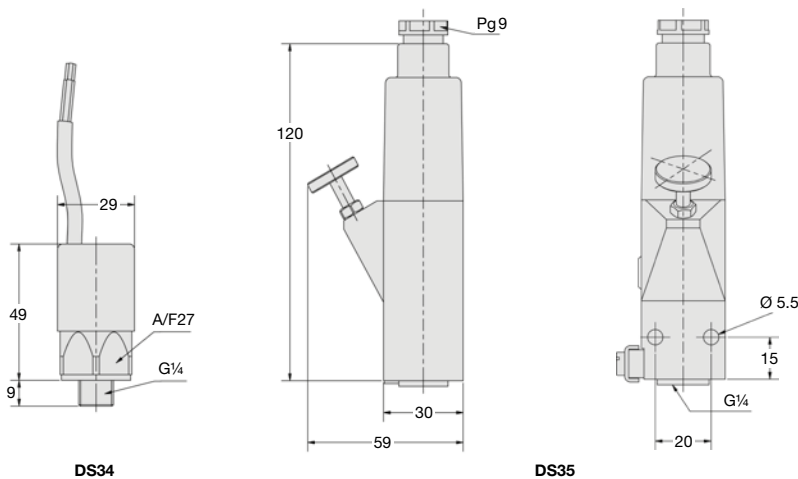
Pressure switch G ¹ / ₄ female	SPDT switch 230 V AC, 1A	gas-proof	II 2G Ex d II C T6/T5	DS35
diaphragm	200	0.5	1 ... 6	DS35-B
		3.0	5 ... 50	DS35-D
piston	600	3 - 5	20 ... 100	DS35-E
		5 - 9	100 ... 400	DS35-K



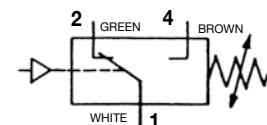
DS35, gas protection

Special options, add the appropriate letter

EPDM elastomer	-20 °C to 80 °C / -4 °F to 176 °F	DS3. - . E
FKM elastomer	- 5 °C to 80 °C / 23 °F to 176 °F	DS3. - . V
free of oil and grease	suitable for oxygen, max. 10 bar, diaphragm version only	DS3. - . L
adjusted switchpoint	± 5%, indicate on order	DS3. - . X



pin configuration DS34



pin configuration DS35

