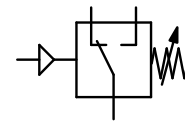


Description	The pressure switch closes or opens an electrical contact when the desired pressure is reached. If it falls below, the contact will be reset.		
Media	compressed air, non-corrosive gases or liquids		
Overpressure	see chart for max. static pressure, dynamic pressures are 50% lower		
Switch contact	DS16: NO contact, optionally NC contact	DS17/18: SPDT switch	
Contact load	DS16: 2 A at 42 V DC,	DS17: 4 A at 42 V DC,	DS18: 4 A at 250 V AC
Electrical connector	DS16: screw terminal,	DS17/18: spade terminal 6.3 x 0.8 mm, optionally also for 16	
Hysteresis	DS16: 5...20%,	DS17/18: adjustable to 10...30% by factory	
Life cycle	10 ⁶ switching cycles at < 50 bar	Switching frequency	max. 200 cycles/min
Vibration resistance	10 g at 5...200 Hz	Shock resistance	30 g
Certifications	IP 00, with coupling socket IP 65	Mounting position	any
Protection class	IP 00, with coupling socket IP 65		
Temperature range	-30 °C to 100 °C / -22 °F to 212 °F for NBR/Buna-N, -5 °C to 120 °C / 23 °F to 248 °F for FKM		
Material	Body: steel, optionally stainless steel at DS18 Elastomer: NBR/Buna-N, optionally EPDM or FKM		



0,1 ... 1/200 bar

Pressure transmission by	Overpressure protection < bar	Measuring tolerance ± bar	Measurement range bar	Order number
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Pressure switch G1¼m, NO 42V			steel, NBR/Buna-N, without protective cap	DS16
diaphragm	300	0.2	0.1 ... 1.0	DS16-A
		0.5	1.0 ... 10	DS16-B
		1.0	10 ... 20	DS16-C
		2.0	20 ... 50	DS16-D
piston	600	5.0	50 ... 150	DS16-E

Pressure switch G1/4m, SPDT 42V			steel, NBR/Buna-N, with coupling socket	DS17
diaphragm	100	0.2	0.3 ... 1.5	DS17-A
	100	0.5	1.0 ... 10	DS17-B
	300	1.0	1.0 ... 10	DS17-C
	300	3.0	10 ... 50	DS17-D
	300	5.0	10 ... 100	DS17-E
piston	600	5.0	50 ... 200	DS17-H

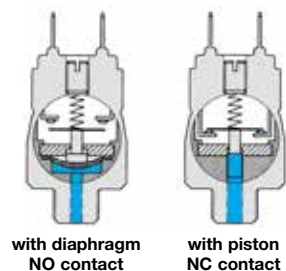
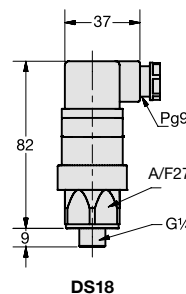
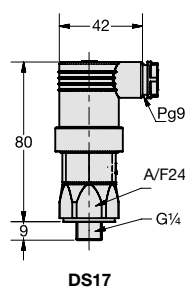
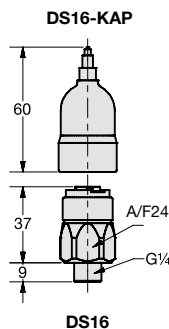
Pressure switch G1¼m, SPDT 250V			steel, NBR/Buna-N, with coupling socket	DS18
diaphragm	100	0.2	0.3 ... 1.5	DS18-A
	300	1.0	1.0 ... 10	DS18-C
	300	3.0	10 ... 50	DS18-D
	300	5.0	10 ... 100	DS18-E
piston	600	5.0	50 ... 200	DS18-H

Special options, add the appropriate letter

EPDM elastomer		DS1.-.E
FKM elastomer		DS1.-.V
free of oil and grease	suitable for oxygen, max. 10 bar	DS1.-.L
NC contact	instead of normally open contact	for DS16 DS1.-.1
spade terminal	6.3 x 0.8 mm, galvanised	for DS16 DS1.-.T
600 bar overpressure	maximum	for DS16 DS16-.U
gold contact	max. 24 V AC/DC, 50 mA	for DS17 DS17-.G
250 V	max. voltage	for DS17 DS17-.W
stainless steel body	0.5...5/200 bar	for DS18 DS18-.S
factory-set pressure	pressure indication falling pressure VF .. rising pressure	DS1.-.VS..

Accessories, enclosed

protection cap	straight, IP65	for DS16	DS16-KAP
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with diaphragm NO contact

with piston NC contact

* Product group

PDF CAD
www.aircom.net



Order example:
DS16-A