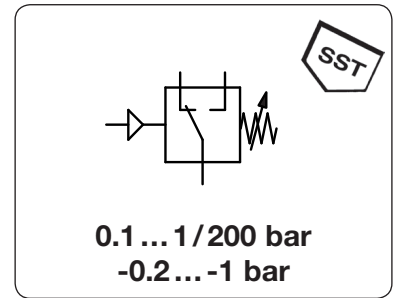


Description	The pressure switch closes or opens an electrical contact when the desired pressure is reached. If it falls below, the contact will be reset.		
Media	compressed air, non-corrosive gases or liquids		
Overpressure	see chart for max. static pressure, dynamic pressures are 50% lower		
Switch contact	DS15/16: NO contact, optionally NC contact	DS17/18: SPDT switch	
Contact load	DS15/16: 2 A at 42 V DC, DS17: 4 A at 42 V DC, DS18: 4 A at 250 V AC		
Electrical connector	DS15/16: screw terminal, DS17/18: spade terminal 6.3 x 0.8 mm, optionally also for DS15/16		
Hysteresis	DS15/16: 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	CSA-certified and UL-listed	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, -30 °C to 120 °C / -22 °F to 248 °F for EPDM, -5 °C to 120 °C / 23 °F to 248 °F for FKM		
Material	Body: steel, brass at DS15, optionally stainless steel at DS18 Elastomer: NBR/Buna-N, optionally EPDM or FKM		



Switches
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Pressure transmission by	Overpressure protection < bar	Measuring tolerance ± bar	Measurement range bar	Order number
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Pressure switch G ¹ / ₄ m, NO 42V				hysteresis 5...20%, 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 G ¹ / ₄ m, SPDT 42V				adjustable hysteresis, steel, NBR/Buna-N, with coupling socket	DS17
diaphragm	100	0.2	0.3 ... 1.5		DS17-A
		0.5	1.0 ... 10		DS17-B
		1.0	1.0 ... 10		DS17-C
		3.0	10 ... 50		DS17-D
		5.0	10 ... 100		DS17-E
piston	600	5.0	50 ... 200		DS17-H



Pressure switch G ¹ / ₄ m, SPDT 250V				adjustable hysteresis, steel, NBR/Buna-N, with coupling socket	DS18
diaphragm	100	0.2	0.3 ... 1.5		DS18-A
		1.0	1.0 ... 10		DS18-C
		3.0	10 ... 50		DS18-D
		5.0	10 ... 100		DS18-E
		5.0	50 ... 200		DS18-H
piston	600	5.0	50 ... 200		DS18-H

Vacuum switch G ¹ / ₈ f, NO 42V				hysteresis 5...20%, brass, FKM, without protective cap	DS15
diaphragm	20	0.1	0.2 ... -1		DS15-03

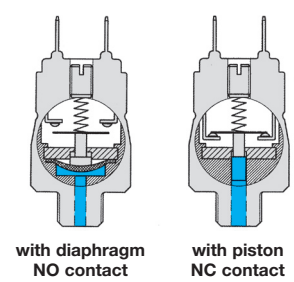
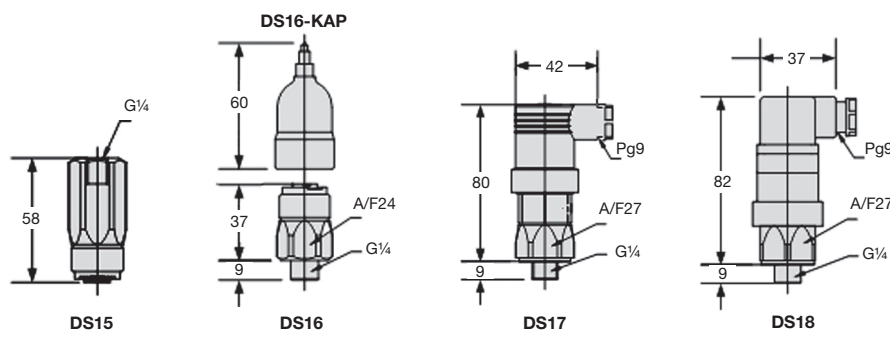


Special options, add the appropriate letter

EPDM elastomer		not for DS15	DS1...-E
FKM elastomer		not for DS15	DS1...-V
free of grease and oil	suitable for oxygen, max. 10 bar		DS1...-L
NC contact	instead of normally open contact	for DS15 and DS16	DS1...-1
spade terminal	6.3 x 0.8 mm, galvanised	for DS15 and 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, IP 65	for DS15 and DS16	DS16-KAP
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Order example: DS16-A