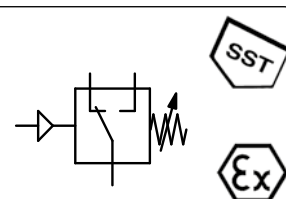


Description	Adjustable pressure switch for monitoring pressure, vacuum and differential pressure. From the 6 bar device on two turns of the adjusting knob are necessary for the whole adjustment range, so the scale on the knob is inappropriate.		
Media	compressed air, non-corrosive gases or liquids	Overpressure	see chart
Switch contact	SPDT switch with silver contact, optionally gold contact	Hysteresis	see chart
Contact load	2 A at 24 V DC, 6 A at 250 V AC	Vibration resistance	20 g
Electrical connector	AMP spade terminal, 6.3 x 8 mm, according to DIN 46244	Switching time	30 ms
Life cycle	10 ⁶ switching cycles	Protection class	IP 65 w/ coupling socket
Certifications	VDI, TÜV design test, optionally Atex		
Mounting position	any		
Temperature range	-20 °C to 85 °C / -4 °F to 185 °F for NBR/Buna-N, EPDM and polyamide, up to 130 °C / 266 °F for FKM		
Material	Body: Zytel, a high-quality polyamide Elastomer: NBR/Buna-N, optionally EPDM, FKM or special FKM (saturated steam-resistant) Pressure connection: brass, at DSP-W polyamide, optionally stainless steel or PVDF		



5...20 mbar / 12 bar
-5...-20 / -700 mbar

Switches

12

Dimensions	Overpressure protection	hysteresis max.	Measurement range	Order number
B Ø	< bar	mbar / bar	mbar / bar	
mm mm				

Pressure switch G¹/₄ male, for low pressure DSP-D

Pressure switch G ¹ / ₄ male	wetted sections: brass and NBR/Buna-N, scale toleranz 10%	DSP-D
68 45	0.5 3 mbar	DSP-DB2
	0.5 5 mbar	DSP-DB5
	0.5 10 mbar	DSP-DC1
	1.0 20 mbar	DSP-DC2
	1.0 50 mbar	DSP-DC5
	10 150 mbar	DSP-D01
	10 250 mbar	DSP-D02
	10 500 mbar	DSP-D03
	25 0.5 / 2 bar*	DSP-D06
	25 0.5 / 2 bar*	DSP-D09
	25 0.5 / 2 bar*	DSP-D12



DSP-D09

Pressure switch G¹/₄ male DSP-V

Pressure switch G ¹ / ₄ male	wetted sections: brass and NBR/Buna-N, scale toleranz 10%	DSP-V
68 45	0.5 -5 ... -20 mbar	DSP-V02
	0.5 -10 ... -50 mbar	DSP-V05
	0.5 -25 ... -100 mbar	DSP-V10
	0.5 -50 ... -125 mbar	DSP-V12
	1.0 -75 ... -200 mbar	DSP-V20
	1.0 -100 ... -300 mbar	DSP-V30
	1.0 -200 ... -500 mbar	DSP-V50
	1.0 -300 ... -700 mbar	DSP-V70



DSP-W

Differential press. switch, nipple Ø 6.5 DSP-W

Differential press. switch, nipple Ø 6.5	wetted sections: polyamide and NBR/Buna-N, scale toleranz 10%	DSP-W
77 45	0.1 3 mbar	DSP-W20
	0.1 5 mbar	DSP-W50

Special options, add the appropriate letter

factory-set pressure		DSQ-...
G¹/₈ male	pressure port thread, (not for DSP-W)	DS-...1
stainless steel port	pressure port thread, 1.4401, (not for DSP-W)	DS-...S
FKM elastomer	max. 130 °C / 266 °F	DS-...V
EPDM elastomer		DS-...E
increased overpressure	max. 4 bar for pressure measurement range < 1 bar	DS-...U
gold contact	max. 24 V AC, 100 mA	DS-...G
Ex-i-Atex	II 1/2G Ex ia IIB T4 and II 1/2G Ex ia IIC T4	DS-...EX
Ex-i-Atex	II 1/2G Ex ia IIB T4 and II 1/2G Ex ia IIC T4	DS-...SEX

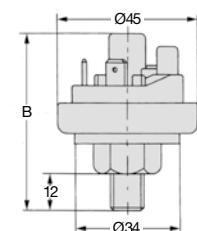


DS-KAP5

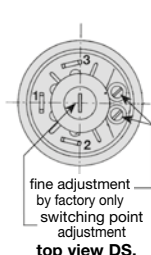
DS-KAP4

Accessories, enclosed

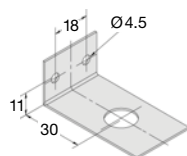
mounting bracket	made of steel, including nut	for G ¹ / ₄	BW14-01
protection cap	angular, cable feedthrough Ø 5 mm	IP44	DS-KAP4
	angular, high-strength cable gland Pg 9	IP54	DS-KAP5
		IP65	DS-KAP6



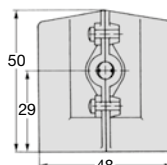
DSP/ DSQ



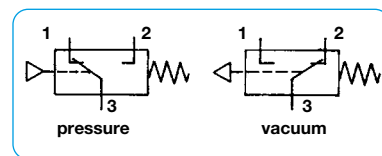
top view DS.



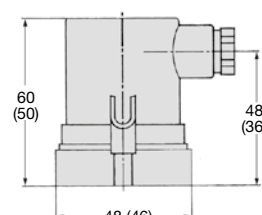
BW14-01



DS-KAP4



pin configuration



DS-KAP5 (-KAP6)

* 0.5 bar at the beginning, 2 bar at the end of the pressure range

* Product group

PDF CAD
www.aircom.net



Order example
DSP-DB2