

Description The small-sized pressure switch closes or opens an electrical contact when the desired pressure is reached. If it falls below, the contact will be reset.

Media DS10: compressed air DS13: compressed air and water All others: compressed air, water hydraulic oil

Burst pressure min. 20 bar, DS13: max. 15 bar, DS40C/D: max. 250 bar

Contact silver-coated, max. 2A Ohm resistive load, max. 100 VA

Hysteresis < 10% FS, DS10 and D40: 10 ... 15% FS

Mounting position any

Life span 10⁶ operating cycle for max. 200 switches / min

Protection class IP 00, with protective cap IP 65

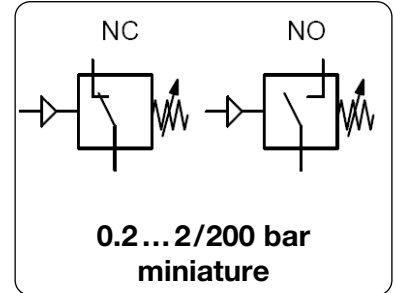
Tolerance ± 0.2 bar at 0.2 ... 2 bar, ± 0.5 bar at 1 ... 10 bar
± 3 bar at 10 ... 70 bar, ± 5 bar at 50 ... 200 bar

Electrical connection contact pin 2 x 6.3 x 0.8 except for DS10 and DS40: screwed connection M2

Temperature range -25 °C to 85 °C / -13 °F to 185 °F DS13: -20 °C bis 75 °C / -4 °F to 167 °F

Material Body: brass for DS08, DS14, DS46
steel for DS25, DS40
plastic for DS13
Elastomer: NBR/Buna-N, optionally EPDM, FKM and Kalrez

Voltage 42 V



Switches



12

Dimensions			Body	Electr.	Connection	Pressure	Measurement	Order number	
A/F	B	C	made	connection	thread	transmission	range	contact	contact
mm	mm	mm	of		G	by	bar	NO	NC

Mini-Pressure switch, 42 V								NBR/Buna-N	DS	
17	13	22	brass	flat plug	G¼	diaphragm	0.3 ... 1.0	2	DS08-21A DS08-21B	DS08-20A DS08-20B
19	16	25	brass	screw connection	G½	diaphragm	1.0 ... 10		DS10-11B	
14	23	37	plastic	flat plug	G½	diaphragm	0.2 ... 1.0	2 8	DS13-11A DS13-11B	DS13-10A DS13-10B
19	21	34	brass	flat plug	G½	diaphragm	0.3 ... 1.0	2 10	DS14-11A DS14-11B	DS14-10A DS14-10B
24	20	34	steel	flat plug	G½	diaphragm	0.2 ... 1.0	2 10	DS25-11A DS25-11B	DS25-10A DS25-10B
24	22	31	steel	screw connection	G½	diaphragm	0.3 ... 1.0	2 10	DS40-11A DS40-11B	DS40-10A DS40-10B
		37				piston	10 ... 50	70	DS40-11C	DS40-10C
						piston	50 ... 200		DS40-11D	DS40-10D
27	29	35	brass	flat plug	G¼	diaphragm	0.2 ... 0.5	2 10	DS46-21A DS46-21B	DS46-20A DS46-20B



Special options, add the appropriate letter

G¼ male connection thread only for DS10 to DS40 DS...-2..

FKM elastomer for diaphragm not for DS13 DS...-...V

for piston only for DS40 (C/D) DS...-...V

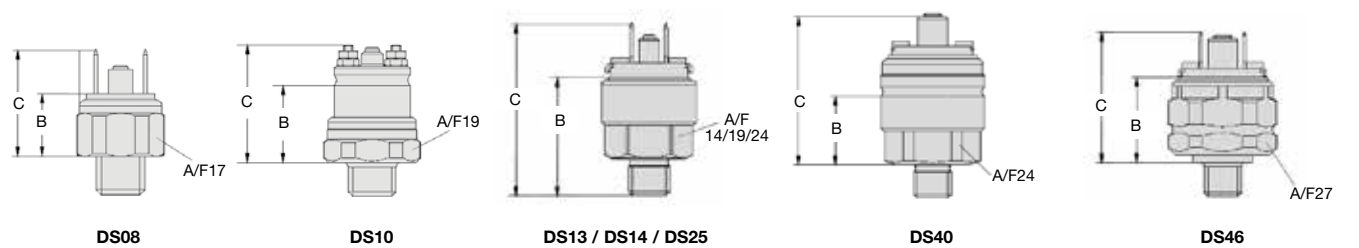
EPDM elastomer only for DS10 and DS40 DS...-...E

Kalrez elastomer only for DS10 and DS40 DS...-...K

gold contact not for DS08 DS...-...G

Accessories, enclosed

protection cap for DS10 **K210** for DS08, DS13 and DS14 **K214**
for DS25 **K250** for DS40 and DS46 **K400**



PDF CAD
www.aircom.net

Order example:
DS08-21A