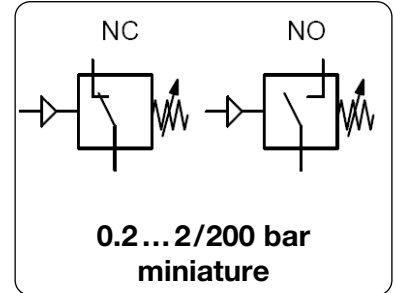


Description	The small-sized pressure switch closes or opens an electrical contact when the desired pressure is reached. If it falls below, the contact will be reset.		
Media	DS10: compressed air	DS13: compressed air and water	All others: compressed air, water hydraulic oil
Burst pressure	min. 20 bar,	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	10 ⁶ 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	Voltage 42 V
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	



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	G $\frac{1}{4}$	diaphragm	0.3 ... 2	2	DS08-21A	DS08-20A
							1.0 ... 10	10	DS08-21B	DS08-20B
19	16	25	brass	screw connection	G $\frac{1}{8}$	diaphragm	1.0 ... 10	10	DS10-11B	
14	23	37	plastic	flat plug	G $\frac{1}{8}$	diaphragm	0.2 ... 2	2	DS13-11A	DS13-10A
							1.0 ... 8	8	DS13-11B	DS13-10B
19	21	34	brass	flat plug	G $\frac{1}{8}$	diaphragm	0.3 ... 2	2	DS14-11A	DS14-10A
							1.0 ... 10	10	DS14-11B	DS14-10B
24	20	34	steel	flat plug	G $\frac{1}{8}$	diaphragm	0.2 ... 2	2	DS25-11A	DS25-10A
							1.0 ... 10	10	DS25-11B	DS25-10B
24	22	31	steel	screw connection	G $\frac{1}{8}$	diaphragm	0.3 ... 2	2	DS40-11A	DS40-10A
		37				diaphragm	1.0 ... 10	10	DS40-11B	DS40-10B
						piston	10 ... 70	70	DS40-11C	DS40-10C
						piston	50 ... 200	200	DS40-11D	DS40-10D
27	29	35	brass	flat plug	G $\frac{1}{4}$	diaphragm	0.2 ... 2	2	DS46-21A	DS46-20A
							0.5 ... 10	10	DS46-21B	DS46-20B



DS08

DS10



DS13 (DS14)

DS25



DS40

DS46



K210

K214

K250

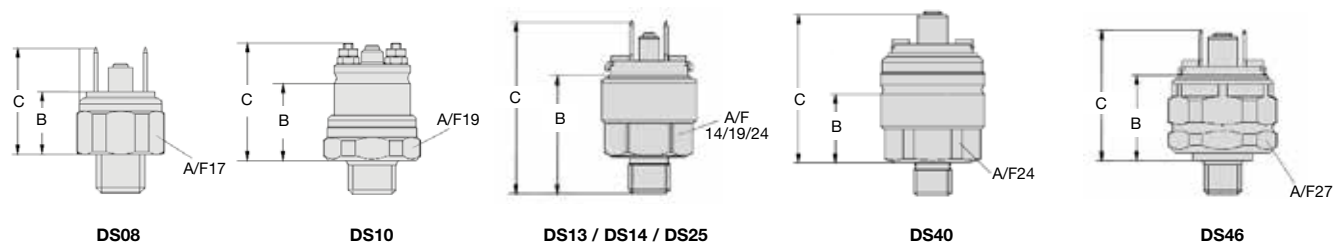
K400

Special options, add the appropriate letter

G$\frac{1}{4}$ 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



DS08

DS10

DS13 / DS14 / DS25

DS40

DS46

PDF CAD
www.aircom.net



Order example:
DS08-21A