Pressure switches for neutral media
Plastic diaphragm sensing system
Adjustable switching differential
Protection rating IP65

Product group **D 500**



Ambient temperature: -5 to +40 °C
Medium temperature: 0 to +90 °C
Ambient + medium temperature: max. +90 °C

Switching pressure range	Adjustable switching differential		Overpressure resistance	Switching frequency	Materials in pressure sensor					Total weight		Order No.
p min ... p max	minimum [2]	maximum			Housing	Sealing	Other	Connection type	Connection size		Drawing No.	
[bar]	[bar]	[bar]	[bar]	[1/min]						[kg]		

With normal switching differential



Switching function 917 (see page 32) | Switching element 1 changeover microswitch | Vibration: limited tolerance | Mounting position: any orientation | **Design 7 D**

0 ... 0,025	0,008 ... 0,011	0,025	0,5	max. 10 (no sudden pressure changes)	St			I	R ¼"	1,05	0802200
0 ... 0,06	0,009 ... 0,015	0,04	0,5		St			I	R ¼"	1,05	0802500
0 ... 0,16	0,011 ... 0,023	0,12	0,5		St			I	R ¼"	1,05	0802700
0 ... 0,25	0,011 ... 0,028	0,2	0,5		St			I	R ¼"	1,05	0802800
0,05 ... 0,6	0,09 ... 0,16	0,5	15	max. 40 (sudden pressure changes and overpressure permitted)	Ms	Nitrile rubber		I	R ¼"	1,20	0804100
0,05 ... 1,0	0,11 ... 0,18	0,8	15		Ms			I	R ¼"	1,20	0804200
0,05 ... 1,6	0,13 ... 0,25	1,2	15		Ms			I	R ¼"	1,20	0804300
0,05 ... 2,5	0,14 ... 0,25	2,0	15		Ms			I	R ¼"	1,20	0804400
0,3 ... 4	0,5 ... 0,8	2,0	40		Ms			I	R ¼"	0,9	0804500
0,3 ... 6	0,6 ... 1,0	4,0	40		Ms			I	R ¼"	0,9	0804600
0,5 ... 10	0,6 ... 1,1	6,0	40		Ms			I	R ¼"	0,9	0804700
1 ... 16	1,2 ... 2,5	12,0	50		Ms			I	R ¼"	0,9	0804800
1 ... 25	1,2 ... 3,3	20,0	50		Ms			I	R ¼"	0,9	0804900

0 ... 0,025	0,005 ... 0,007	0,025	0,5	max. 10 (no sudden pressure changes)	St			I	R ¼"	1,05	0802207
0 ... 0,06	0,006 ... 0,009	0,04	0,5		St			I	R ¼"	1,05	0802507
0 ... 0,16	0,006 ... 0,012	0,12	0,5		St			I	R ¼"	1,05	0802707
0 ... 0,25	0,007 ... 0,013	0,2	0,5		St			I	R ¼"	1,05	0802807
0,05 ... 0,6	0,06 ... 0,1	0,5	15	max. 40 (sudden pressure changes and overpressure permitted)	Ms	Nitrile rubber		I	R ¼"	1,20	0804107
0,05 ... 1,0	0,06 ... 0,12	0,8	15		Ms			I	R ¼"	1,20	0804207
0,05 ... 1,6	0,07 ... 0,16	1,2	15		Ms			I	R ¼"	1,20	0804307
0,05 ... 2,5	0,07 ... 0,2	2,0	15		Ms			I	R ¼"	1,20	0804407
0,3 ... 4	0,4 ... 0,6	2,0	40		Ms			I	R ¼"	0,9	0804507
0,3 ... 6	0,4 ... 0,6	4,0	40		Ms			I	R ¼"	0,9	0804607
0,5 ... 10	0,4 ... 0,7	6,0	40		Ms			I	R ¼"	0,9	0804707
1 ... 16	0,6 ... 1,5	12,0	50		Ms			I	R ¼"	0,9	0804807
1 ... 25	0,7 ... 2,0	20,0	50		Ms			I	R ¼"	0,9	0804907

With smaller switching differential



Switching function 917 (see page 32) | Switching element 1 changeover microswitch | Vibration: vibration-sensitive | Mounting position: any orientation | **Design 7 D**

Other versions (on request)

With cable gland Pg 13.5, Pg 16 or M 24 x 1.5 DIN 89280
With Tuchel plug connector
With higher switching capacity
Certified to DVGW (approval No. G 1619), DET NORSKE VERITAS (Cert. No. A 83); individual inspection by Germanischer Lloyd
1) Characteristic values according to VDI 3283
2) The stated minimum switching differentials are maximum values. The lower value applies at the start and the higher value at the end of the pressure setting range.