Pressure switches for neutral media
Plastic diaphragm sensing system
Fixed switching pressure differential
Protection class IP65

Series group D 500



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

Pressure range	Fixed switching differential		Over-pressure limit	Switching rate	Materials in sensor			Connector		Total weight	Code	Order No.
	lower switching range	upper switching range			Housing	Seal	Other	Fitting	Connection			
min / max[1]												
[bar]	[bar]	[bar]	[bar]	[1/min]						[kg]		

With standard switching differential



Switching function 917 (see p. 32) | Switch element 1 changeover microswitch | Limited vibration permitted | Any mounting orientation | Design 7D

0 . . . 0,025	0,003	0,004	0,5	max. 10 (no sudden pressure changes)	St	Nitrile rubber		I	R ¼"	1,0	0812200
0 . . . 0,06	0,004	0,006	0,5		St			I	R ¼"	1,0	0812500
0 . . . 0,16	0,004	0,008	0,5		St			I	R ¼"	1,0	0812700
0 . . . 0,25	0,004	0,009	0,5		St			I	R ¼"	1,0	0812800
0,05 . . . 0,6	0,03	0,06	15	max. 40 (sudden pressure changes and overpressure permitted)	Ms			I	R ¼"	1,15	0814100
0,05 . . . 1,0	0,03	0,09	15		Ms			I	R ¼"	1,15	0814200
0,05 . . . 1,6	0,03	0,12	15		Ms			I	R ¼"	1,15	0814300
0,05 . . . 2,5	0,04	0,15	15		Ms			I	R ¼"	1,15	0814400
0,3 . . . 4	0,2	0,4	40		Ms			I	R ¼"	0,85	0814500
0,3 . . . 6	0,3	0,5	40		Ms			I	R ¼"	0,85	0814600
0,5 . . . 10	0,3	0,6	40		Ms			I	R ¼"	0,85	0814700
1 . . . 16	0,4	1,2	50		Ms			I	R ¼"	0,85	0814800
1 . . . 25	0,4	1,5	50		Ms			I	R ¼"	0,85	0814900

										05	
										06	
										07	
										07	

With reduced switching differential



Switching function 917 (see p. 32) | Switch element 1 changeover microswitch | Vibration sensitive | Any mounting orientation | Design 7D

0 . . . 0,025	0,001	0,0012	0,5	max. 10 (no sudden pressure changes)	St	Nitrile rubber		I	R ¼"	1,0	0812207
0 . . . 0,06	0,001	0,0025	0,5		St			I	R ¼"	1,0	0812507
0 . . . 0,16	0,0012	0,004	0,5		St			I	R ¼"	1,0	0812707
0 . . . 0,25	0,0014	0,0045	0,5		St			I	R ¼"	1,0	0812807
0,05 . . . 0,6	0,015	0,03	15	max. 40 (sudden pressure changes and overpressure permitted)	Ms			I	R ¼"	1,15	0814107
0,05 . . . 1,0	0,015	0,04	15		Ms			I	R ¼"	1,15	0814207
0,05 . . . 1,6	0,015	0,05	15		Ms			I	R ¼"	1,15	0814307
0,05 . . . 2,5	0,018	0,08	15		Ms			I	R ¼"	1,15	0814407
0,3 . . . 4	0,08	0,15	40		Ms			I	R ¼"	0,85	0814507
0,3 . . . 6	0,08	0,20	40		Ms			I	R ¼"	0,85	0814607
0,5 . . . 10	0,1	0,25	40		Ms			I	R ¼"	0,85	0814707
1 . . . 16	0,15	0,6	50		Ms			I	R ¼"	0,85	0814807
1 . . . 25	0,15	0,8	50		Ms			I	R ¼"	0,85	0814907

										05	
										06	
										07	
										07	

Other versions (on request)
Panel mounting with quick adjustment
With cable gland Pg 13.5, Pg 16 or M24 x 1.5 DIN 89280
With Tuchel plug connector
With higher switching capacity
Approved to DVGW (A No. G 1620), DNV (Cert. No. A 83)
Individual inspection by Germanischer Lloyd

I = Female thread
I – Innengewinde

1) Characteristic values per VDI 3283