Bourdon Tube Pressure Switches

B1S/B2S

Mechanical single/dual pressure switch Repeatability ±1.0 % at constant temperature

Features

Bourdon tube pressure switch All welded parts wetted. Direct acting, no friction, high accuracy

Adjustment ranges

4.8 ... 950 bar

Applications

Pump control, Die-casting machines, Press control, Power plants, Alarm functions



Technical Data

Wetted parts: Process connection:	Stainless steel 1.4401			
Bourdon tube:	Stainless steel 1.4401			
Repeatability:	±1 % at constant temperature			
Switching rate:	max. 20/min			
Temperature range:	-40 °C +75 °C			
Protection class:	IP00			
Housing:	Without housing for installation in control panels:			
Process connection:	1/4" NPT female thread except ranges marked with *). These switches have proof pressures above 500 bar and are provided with high pressure thread with adapter "G1/4 female".			

Electrical connection:	Lead wire PVC 1.5 mm ² , length appr. 450 mm
Electrical ratings and hysteresis:	A large variety of micro switches offers different electrical ratings and hysteresis for many applications.
Weight:	B1S: approx. 0.6 kg B2S: approx. 0.7 kg
Set point adjustment:	Turn the adjustment screw clockwise to decrease the set point
Intrinsically safe:	
Approval:	

Connection Chart

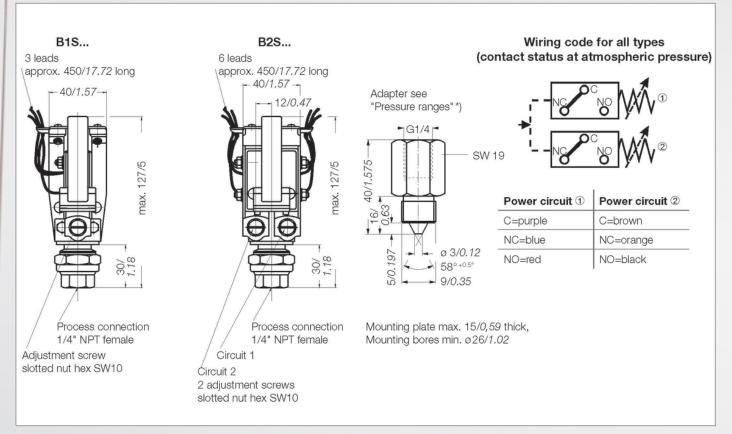
Pressure range code	Adjustmen	t range [bar]	Max. operating pressure [bar]	Test pressure [bar]	Max. hysteresis of switch types in bar (end of range)	
	Increasing press. Decreasing press.			(short term)	H, GH [bar]	M, GM [bar]
1288	4.8 82	3.4 81	90	100	0.96	1.86
32SS	13.7 220	11.0 217	250	280	2.68	5.44
48SS	22.4 330	16.5 325	370	415	2.75	5.90
65SS*	30.3 448	22.5 440	500	560	3.58	7.92
120SS*	79.3 827	41.4 790	850	1035	16.90	37.90
180SS*	79.3 950	41.4 950	999	1380	16.90	37.90

Pressure

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Dimensions (mm / inch)



Electrical Ratings

Micro switch	Special features	Volt AC 50/60 Hz	Ind. load A	Res. load A	Volt DC	Ind. load A	Res. load A	Comments
Н	Micro switch with silver contacts	125 250 480*	10 10 3	10 10 3	6 to 24	0.50	0.5	Small hysteresis; High AC-/ low DC-load
M	Micro switch with silver contacts	125 250 480*	10 10 3	10 10 3	12 24 250*	5.00 1.00 0.25	15.0 2.0 0.4	Medium hysteresis; High AC- and DC-loads
GH	Micro switch with gold- plated contacts for low	125	1	1	24	1.00	1.00	Small hysteresis
GM	voltage and/or low current	30	0.1	0.1	30	0.10	0.1	Medium hysteresis

^{*} on request

Order Code

Example for order number

Type				Micro switch	Pressure range code
B1S	or	B2S	-	Н	48SS
Your order nur	mber				
Type				Micro switch	Pressure range code
	or		-		