



Double Contact Pressure Switches Model: D511/7DZ

The sensor is bellow type. It is suitable for corrosive gases and liquid medium. The set point is adjustable, and the range is from -0.1 to 6.3MPa.

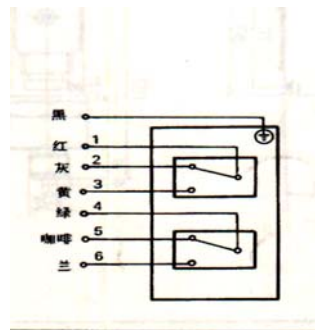
□ Main Technical Performance

Suitable for corrosive gases and liquid medium

Working viscosity	$1 \times 10^{-3} \text{m}^2/\text{s}$
Switching element	Micro-switches
Protection Class	IP54
Ambient temperature	-40~+50℃
Fluid temperature	0~+120℃
Mounting position	Vertical down(a slope of 15° is allowed)
Vibrations	Max: 20m/s ²
Repeatability Error	≤1%
Synchronization error:	≤0.5%(lower switching point *2)
Electrical rating	AC 220V 6A(Resistance) 600VA



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Switching Function:
Micro-switch SPDT
Terminals
1-2&4-5:Contacts close on rising pressure
Terminals
1-3&4-6:Contacts open on rising pressure

□ Characteristic date

● Switching pressure difference no adjustable

Adjustable Range MPa	Switching pressure difference MPa		Max. Allowable Pressure *1 (MPa)	Number of switching cycles Z(1/min)	Pressure sensor materials		Interface external thread	Weight kg	Drawing No	Cat No.												
	Lower range MPa	Upper Range MPa			housing	bellow																
-0.1...0	0.009	0.011	1	20	1Cr18Ni9Ti	00Cr17Ni14M02 (316L)	G1/2"	1.4	01	0810112												
-0.1...0.1	0.011	0.012								0810212												
-0.1...0.16	0.012	0.015								0810312												
-0.1...0.25	0.015	0.018								0810412												
0...0.1	0.011	0.012	1					20	1Cr18Ni9Ti	00Cr17Ni14M02 (316L)	G1/2"	1.4	01	0811112								
0...0.16	0.012	0.015												0811212								
0.01...0.25	0.014	0.015												0811312								
0.02...0.4	0.045	0.045	2									20	1Cr18Ni9Ti	00Cr17Ni14M02 (316L)	G1/2"	1.25	02	0811412				
0.03...0.6	0.045	0.054																0811512				
0.03...1	0.045	0.06																0811612				
0.05...1.6	0.11	0.12	5													20	1Cr18Ni9Ti	00Cr17Ni14M02 (316L)	G1/2"	1.3	03	0811712
0.05...2.5	0.11	0.15																				0811812
0.3...6.3	0.15	0.3	8.5	20	1Cr18Ni9Ti	00Cr17Ni14M02 (316L)	G1/2"													1.3	03	0811912

Remark: 1.In practice work, Even shot pressure peaks must not exceed this value (=max.test pressure)
2.The upper value of synchronization requirements should be indicated in the order.



Switch selection and mounting instructions (The same as switches)

Setting of the switching points (The same as pressure switches)

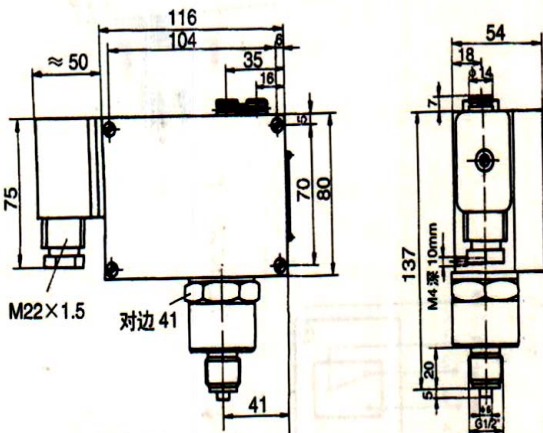
Accessories

Alternative Cat No.: 0574770, 0574772, 0574769, 0574768.

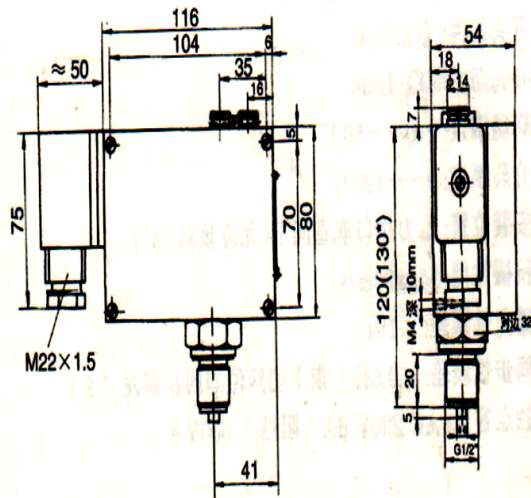
Dimensional drawing

Units: mm

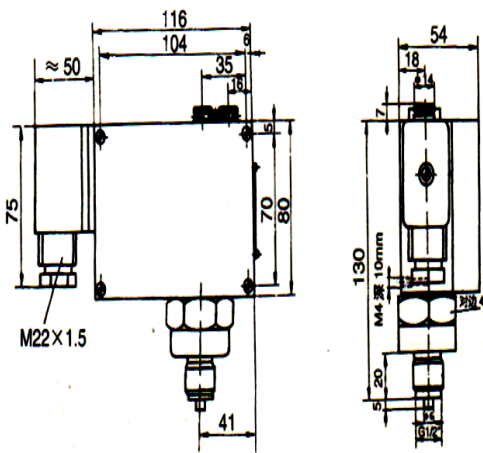
01



03



02



*:为 0.3-6.3MPa 的高度尺寸