



Double Contact Pressure Switches Model: D505/7DZ

The sensor is no-leakage piston. It is suitable for Compressed air containing oil mist and other gas containing oil mist which has no corrosive effect on the pressure sensor material and Hydraulic oil, water-oil emulsion and general liquid medium of Good lubricity. The set point is adjustable, and the range is from 0.3 to 23MPa.



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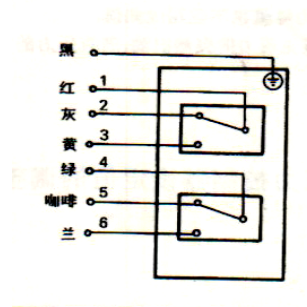
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□ Main Technical Performance

suitable for Compressed air containing oil mist and other gas containing oil mist which has no corrosive effect on the pressure sensor material and Hydraulic oil, water-oil emulsion and general liquid medium of Good lubricity

Working viscosity	<1x10 ⁻³ m ² /s
Switching element	Micro-switches
Protection Class	IP54
Ambient temperature	-5~+40℃
Fluid temperature	0~+100℃
Mounting position	Vertical down(a slope of 15° is allowed)
Vibrations	Max: 20m/s ²
Repeatability Error	≤2.5%
Synchronization error:	≤0.5%(lower switching point *2)
Electrical rating	AC 220V 6A(Resistance) 600VA



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		Connect ion (internal thread)	Weight kg	Drawing No.	Cat No.
	Lower range MPa	Upper Range MPa			housing	piston				
1.3~4	0.8	1.5	30	20	brass	NBR with grooved ring	G1/4"	1.2	01	0816508
0.5~6.3	0.9	2								0816608
0.5~10	0.9	2.5								0816708
0.5~16	1.1	3								0816808
1~23	1.5	4	80	30		NBR with O-ring		1.2	02	0816908

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.: 0574767, 0574772, 0574773

Dimensional drawing

Units: mm

