



Double Contact Pressure Switches Model: D500/7DZ

The sensor is diaphragm type. It is suitable for general gases and liquid medium. The set point is adjustable, and the range is 0~2.5MPa.

□ Main Technical Performance

Suitable for air, gas, water, Hydraulic oil, lubricating oil and light fuel oil etc.

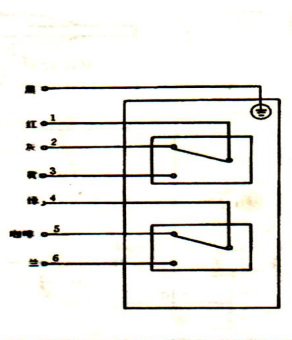
| | |
|-------------------------------|--|
| Working viscosity | <1x10 ⁻³ m ² /s |
| Switching element | Micro-switches |
| Protection Class | IP54 |
| Ambient temperature | -5~+40℃ |
| Fluid temperature | 0~+90℃ |
| Mounting position | Vertical down(a slope of 15° is allowed) |
| Vibrations | Max: 20m/s ² |
| Repeatability Error | ≤1.5% |
| 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 (kPa) | Switching pressure difference MPa(kPa) | | Max. Allowable Pressure *1 MPa (kPa) | Number of switching cycles Z(1/min) | Pressure sensor materials | | Connection (internal thread) | Weight kg | Drawing No. | Cat No. |
|----------------------------|--|----------------------|--------------------------------------|-------------------------------------|---------------------------|--------|------------------------------|-----------|-------------|---------|
| | Lower range MPa(kPa) | Upper range MPa(kPa) | | | housing | bellow | | | | |
| (0...2.5) | (0.45) | (0.6) | (50) | 10 | Galvanized | NBR | G1/4" | 1.4 | 01 | 0812208 |
| (0...6) | (0.6) | (0.9) | | | | | | | | 0812508 |
| (0...16) | (0.6) | (1.2) | | | | | | | | 0812708 |
| (0...25) | (0.6) | (1.35) | | | | | | | | 0812808 |
| 0.005...0.06 | 0.0045 | 0.009 | 1.5 | 40 | Brass | NBR | G1/4" | 1.55 | 02 | 0814108 |
| 0.005...0.1 | 0.0045 | 0.015 | | | | | | | | 0814208 |
| 0.005...0.16 | 0.0045 | 0.018 | | | | | | | | 0814308 |
| 0.005...0.25 | 0.0065 | 0.225 | | | | | | | | 0814408 |
| 0.03...0.4 | 0.03 | 0.045 | 4 | 40 | Brass | NBR | G1/4" | 1.25 | 03 | 0814508 |
| 0.03...0.6 | 0.045 | 0.075 | | | | | | | | 0814608 |
| 0.05...1 | 0.045 | 0.09 | | | | | | | | 0814708 |
| 0.1...1.6 | 0.045 | 0.18 | 5 | 40 | Brass | NBR | G1/4" | 1.25 | 03 | 0814808 |
| 0.1...2.5 | 0.045 | 0.225 | | | | | | | | 0814908 |



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.

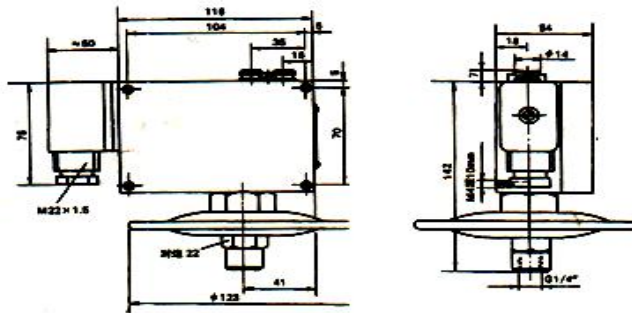
- Switch selection and mounting instructions (The same as switches)
- Setting of the switching points (The same as pressure switches)
- Accessories

Alternative Cat No.: 0574767, 0574771, 0574772, 0574773

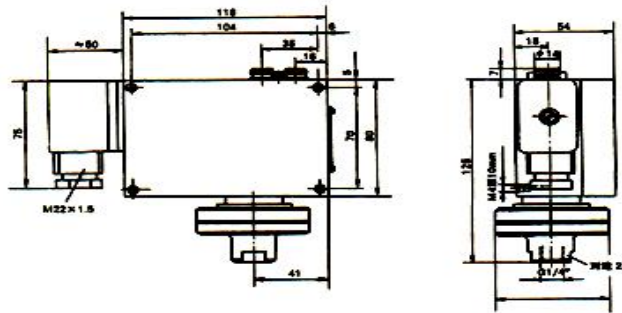
Cat No.0812208~0812808 use the Mounting brackets of Cat No.0574771, the other use 0574772's.

- Dimensional drawing
- 01

Units: mm



02



03

