PRESSURE RELIEF DEVICES / SELECTION

YSF Compact

Compact pressure relief valves for oil-filled transformer compartments, tap changers, capacitors and reactors.

01 Operating and selection data

Parameter	Catalog information
Discharge diameter	25 / 50 mm
Discharge arrangement	Standard discharge
Ambient temperature	-30 to +50 °C
Operating temperature	-30 to +115 °C
Installation positions	Tank cover, raised seat or upper tank side wall
Sealing-pressure selection	Maximum normal tank pressure + 7 kPa must be less than the sealing pressure.

02 Order-code reference

YSF9-35/50SKJTHB

The 35 kPa opening pressure belongs to this example. Opening, closing and sealing pressures must be confirmed for the ordered configuration; the example is not a universal series rating.

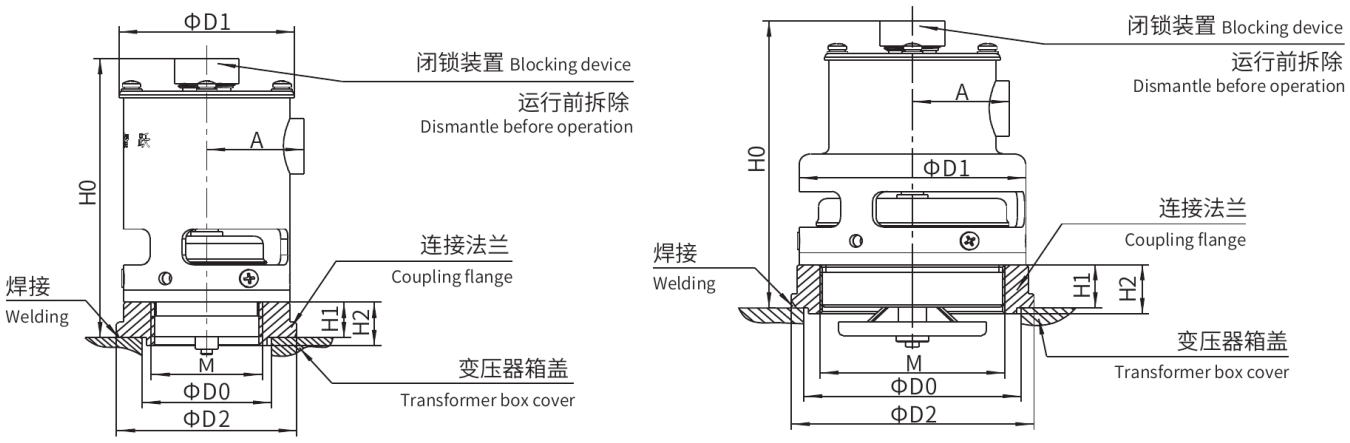
25 mm: type 6 and type 9. 50 mm: type 9.

Source: printed catalog pages 03-04. This packet applies only to the named series. Match the complete order code, mounting and contact configuration before ordering.

ORIGINAL TECHNICAL DRAWINGS / MECHANICAL

Outline & mounting reference

Original bilingual dimensions and labels. Drawing values are in millimetres.



单位 (units) mm

型号 Model	喷油口径 Caliber of oil-gushing	D0	D1	D2	H0	H1	H2	A	M
九型(nine types)	Φ25	56	76	78	144	18	22	42	M48×3
六型(six types)		40	76	72	144	18	21	42	M38×2
九型(nine types)	Φ50	94	98	105	148	22	25	42	M80×3

Connection threads: 25 mm type 6 uses M38 x 2; 25 mm type 9 uses M48 x 3; 50 mm type 9 uses M80 x 3. The corresponding H0 values are 144, 144 and 148 mm.

Drawing note: remove the locking device before operation. Confirm the full installation drawing for the ordered configuration, including mounting clearances and outlet orientation.

ELECTRICAL CONTACTS / SIGNAL CONFIGURATION

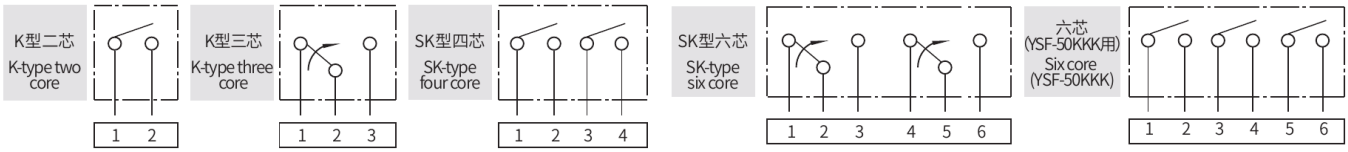
Contacts & wiring

03 Contact capacity

Supply	Voltage	Resistive load	Inductive load
AC	220 V	5 A	3 A (cos phi = 0.4)
DC	220 V	0.3 A	0.05 A (T = 7 ms)

K: two-core or three-core. SK: four-core or six-core. The additional six-core diagram is specifically labeled YSF-50KKK.

产品接线图
Product wiring diagram



04 Suffix reference

K: electrical signal. **SK / KK**: dual electrical signals. **J**: mechanical indication. **B**: locking device. **TH / TA / T**: hot-humid / dry-hot / dry and humid tropical conditions. **D**: directional discharge where used in the order code.

Alternative contact diagrams are configuration references, not interchangeable wiring instructions. Match terminal numbering and outlet arrangement to the exact ordered product.