

GAMSCO

GAMSCO-ATS

DUAL POWER AUTOMATIC
TRANSFER SWITCH

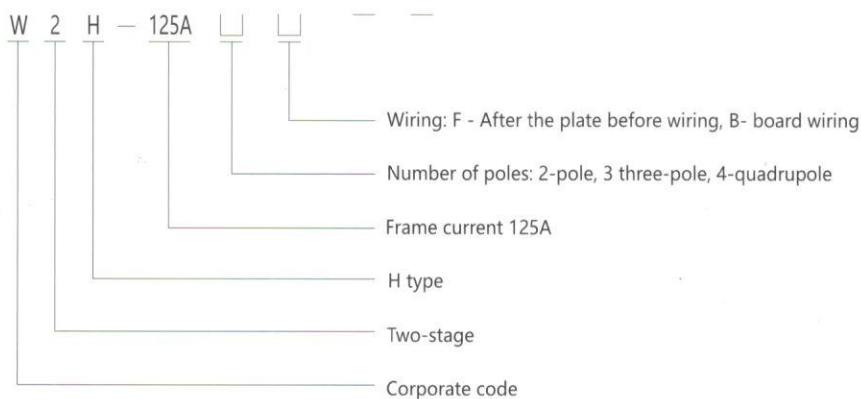


W2H Series DUAL POWER AUTOMATIC TRANSFER SWITCH ATSE



W2H series dual power automatic transfer switch for AC 50Hz or 60Hz, rated working voltage up to 400V, rated current up to 250A of the emergency power supply system in W2H. Series automatic transfer switches from the switch body (TSE) and WST-5 (WST-6) controller. TSE compact body structure, conversion, reliable, long life, easy installation and maintenance, can also be manually electric, widely used in various occasions unsustainable power. And controller combination TSE body becomes an automatic transfer switch (ATSE) common power supply phase loss, overvoltage and undervoltage, according to the set delay time automatically load from the normal source for access to standby power, the controller further You can set automatic recovery or from a vote of no self-recovery program two operations.

■ Product code and meaning



■ Basic parameters

Model	W2H-125A					W2H-250A		
Rated operating current I_e	16	20	25	32	40	140 160 200 225 250		
A	50	63	80	100	125			
Rated insulation voltage U_i	AC 690V , 50Hz							
Rated operating voltage U_e	AC 400V , 50Hz							
level	PC level: the ability to access and load, but not for breaking short-circuit current.							
Use category	AC33iA Typical use: The total system load containing cage-type motors and resistive loads.							
Poles	2P	3P	4P	2P	3P	4P		
Weight (kg)	1.5	1.75	2.0	1.6	2.4	3.2		
Rated making and breaking capacity	6.0 I_e , 1.05 U_e , $\cos\varphi=0.50\pm0.05$, 50次							
Operating performance	2.0 I_e , 1.05 U_e , $\cos\varphi=0.80\pm0.05$, 6000次							
Rated limit short-circuit current I_q	100kA							
SCPD (fuse)	RT16-00-125A			RT16-1/250A				
Rated impulse withstand voltage	8kV							
Control circuit	Rated control supply voltage U_s : AC220V, 50Hz. Proper working conditions: 85% U_s ~ 110% U_s							
Auxiliary circuit	Two separate trip switch, each trip switch contains two sets of changeover contacts. Contact capacity: AC220V 50Hz, $I_e = 16A$							
Contact conversion time	< 1s							
Conversion action time	< 1s							
Return to action time	< 1s							
Disconnect the power time	< 100ms							

■ Dimensions and installation dimensions

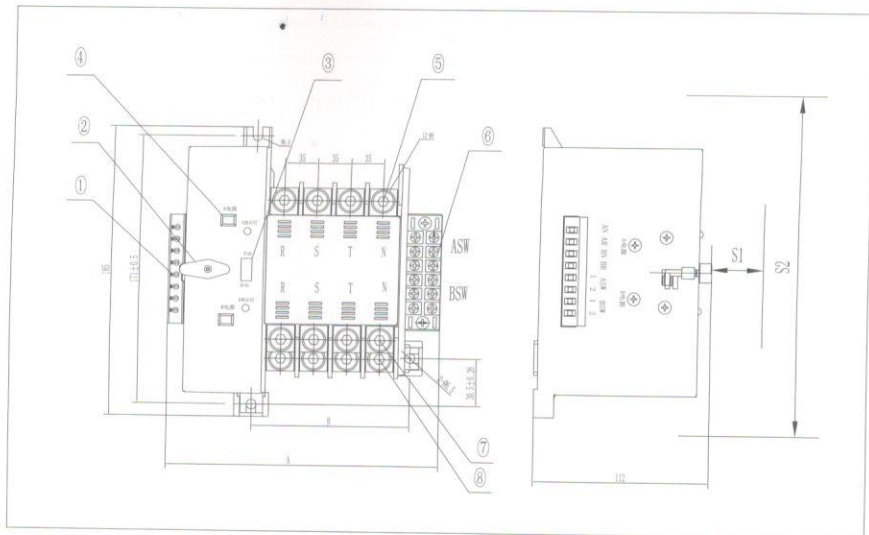


figure 1 W2H-125A Dimensions and installation dimensions

Table 2 W2H-125A relevant dimensions

	A	B
2P	133	59
3P	154	80
4P	175	101

Safety distance $S1 \geq 30\text{mm}$

$S2 \geq 240\text{mm}$

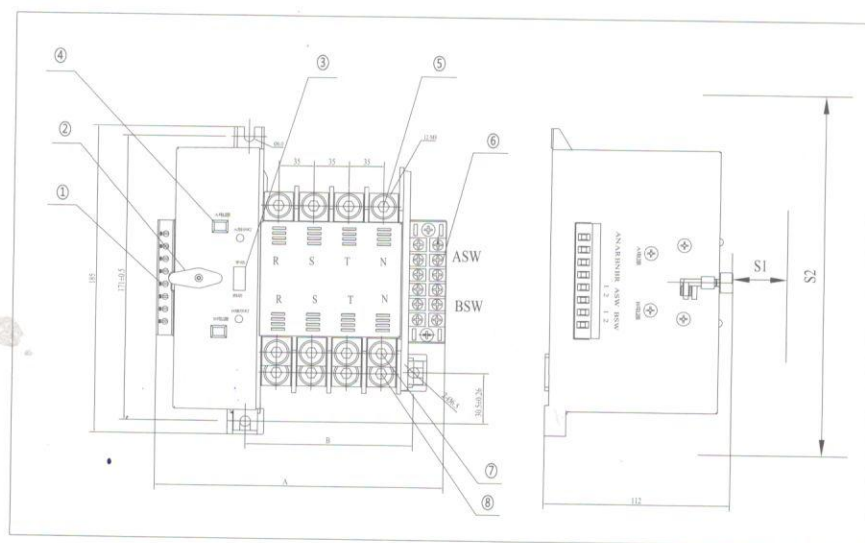


figure 2 W2H-250A Dimensions and installation dimensions

Table 3 W2H-250A relevant dimensions

	A	B
3P	196	121
4P	231	156

Safety distance $S1 \geq 30\text{mm}$

$S2 \geq 290\text{mm}$

- ① control circuit terminals A1, A2, B1, B2 (220V)
- ② manual handle
- ③ selector switch (manual / automatic)
- ④ ON / OFF indication
- ⑤ common power off the main circuit terminals
- ⑥ auxiliary contacts (ASW, BSW)
- ⑦ standby power main circuit terminals
- ⑧ load side of the main circuit terminals