

Features

1. Continuous 125A load.
2. It has one sets of normally open contacts.
3. Coil power consumption $\leq 15W$.
4. The insulation resistance reaches $100M\Omega$ (1000VDC), and the withstand voltage between the contacts and the coil is 1kV.
5. IP protection level: IP40.
6. Compliant with IEC 60664-1, GB/T14048.1 and GB/T14048.4 requirements.
7. Compliant with RoHS (2015/863/EU) and REACH (1907/2006/EC) requirements.
8. Safety certificate: CE, RoHS.



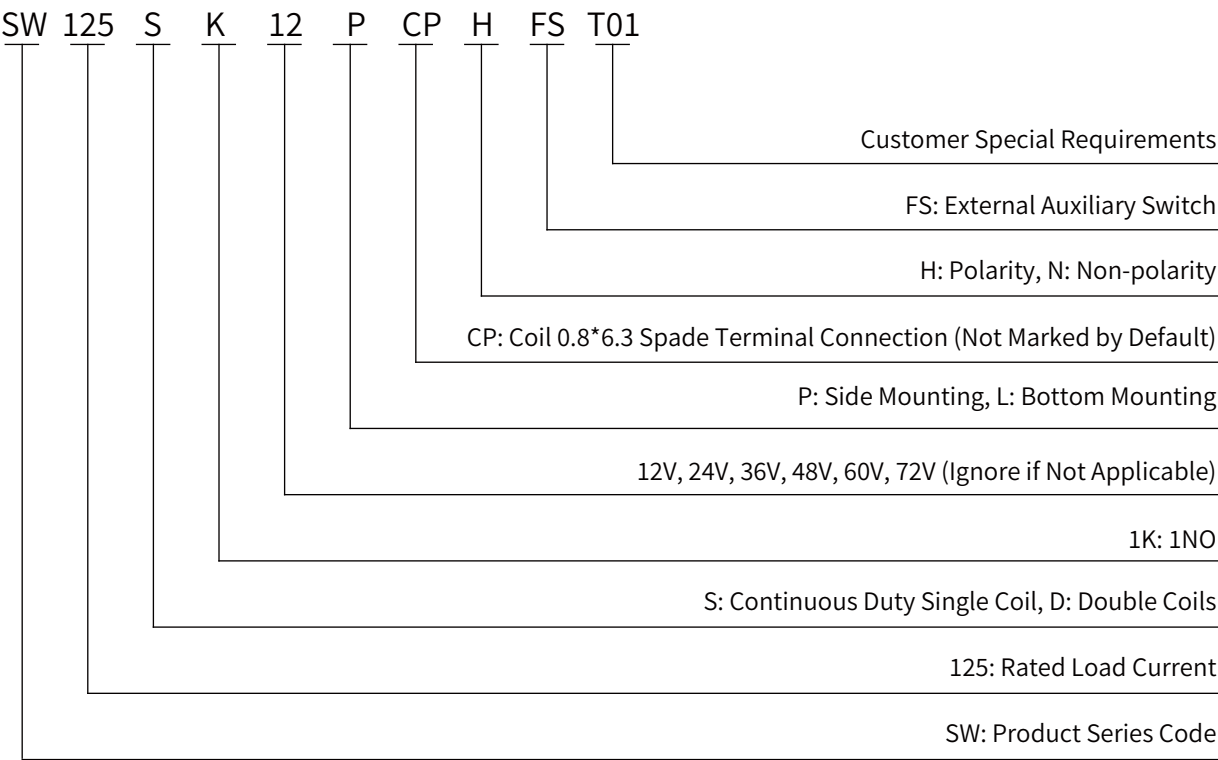
Performance Parameters (at23°C)

Contact Arrangement		1K(1NO)/1B(1NC)
Contact Resistance		$\leq 0.5m\Omega$
Contact Voltage Drop		$\leq 80mV$ (at 125A)
Overload Current		$\leq 7I_e, \geq 1s$
Temperature		-40°C~65°C
Load Terminal		M8 External Thread
Vibration		3.5g, 10~200Hz, 1/2 Sine Wave (Power On)
Relative Humidity		20%~90%RH
Dimension		48x42x89mm
Operating Duty		Continuous
Electrical Durability with Load (Resistive)		$\geq 6,000$ Times
Load Wiring Torque		8-10N.m
Pickup Voltage		$\leq 70\%U_s$
Dropout Voltage		$\geq 10\%U_s$
Contact Bounce Period		$\leq 5ms$
Pickup Time		$\leq 30ms$
Dropout Time		$\leq 30ms$
Dielectric Strength	Between Main Contacts	50Hz/60Hz 1000VAC/1min
	Between Main Contacts and Coil	50Hz/60Hz 1000VAC/1min
Insulation Resistance	Initial State	$100M\Omega$ 1min
	After Electrical Life	$50M\Omega$ 1min
Shock		(60-100)times/min, Acceleration $\leq 4g$
Mechanical Durability		$\geq 100,000$ Times
Coil Wiring		6.3*0.8 Spade Terminal

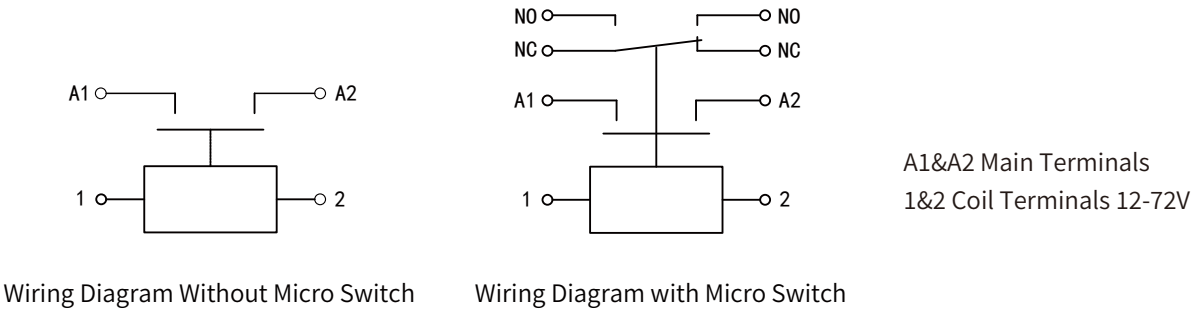
SW125S Coil Parameter

Coil Voltage	Pickup Voltage VDC	Dropout Voltage VDC	Holding Current	Coil Power Consumption
12V	≤70%Us	≥10%Us	1A	7~15W
24V	≤70%Us	≥10%Us	≤0.6A	7~15W
36V	≤70%Us	≥10%Us	≤0.6A	7~15W
48V	≤70%Us	≥10%Us	≤0.5A	7~15W
60V	≤70%Us	≥10%Us	≤0.25A	7~15W
72V	≤70%Us	≥10%Us	≤0.2A	7~15W

Model Coding

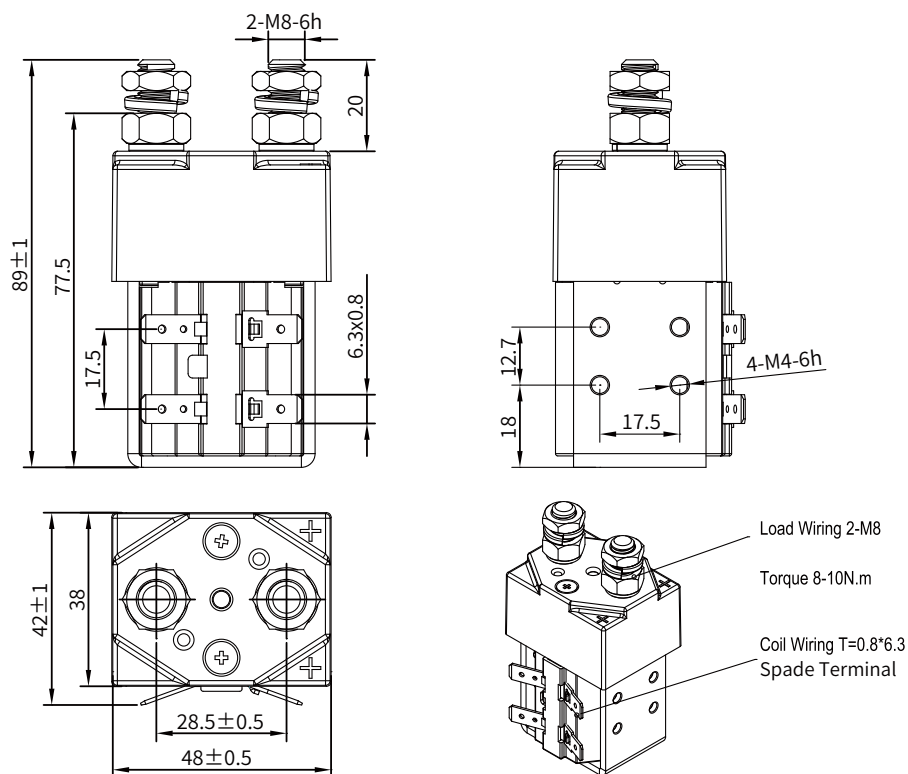


Wiring Diagram

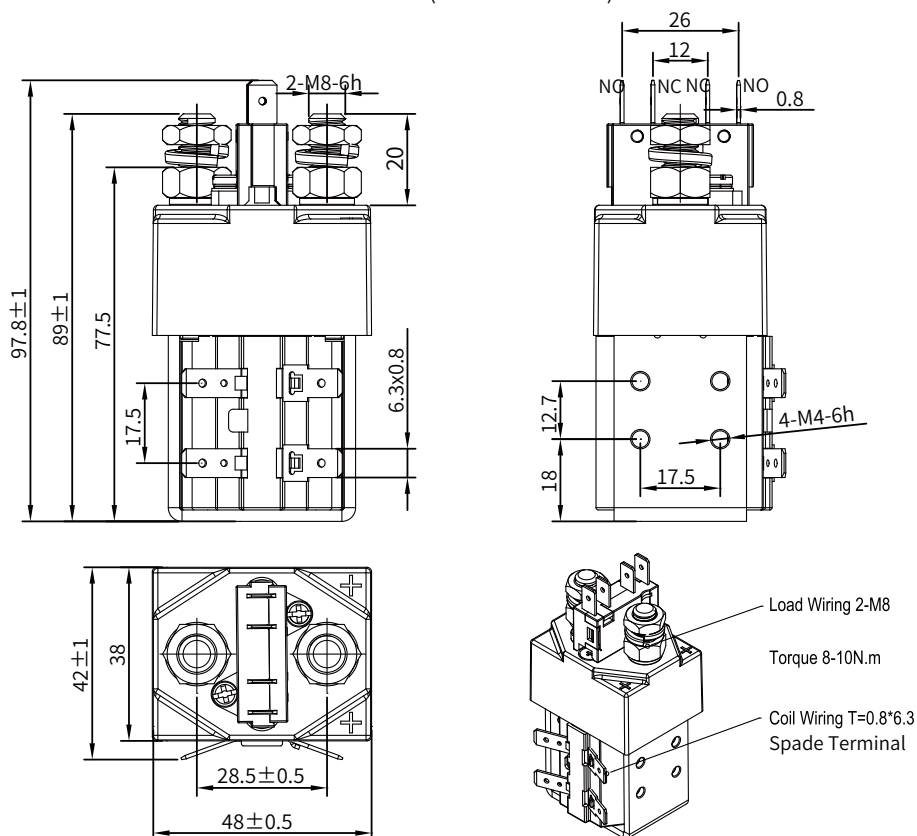


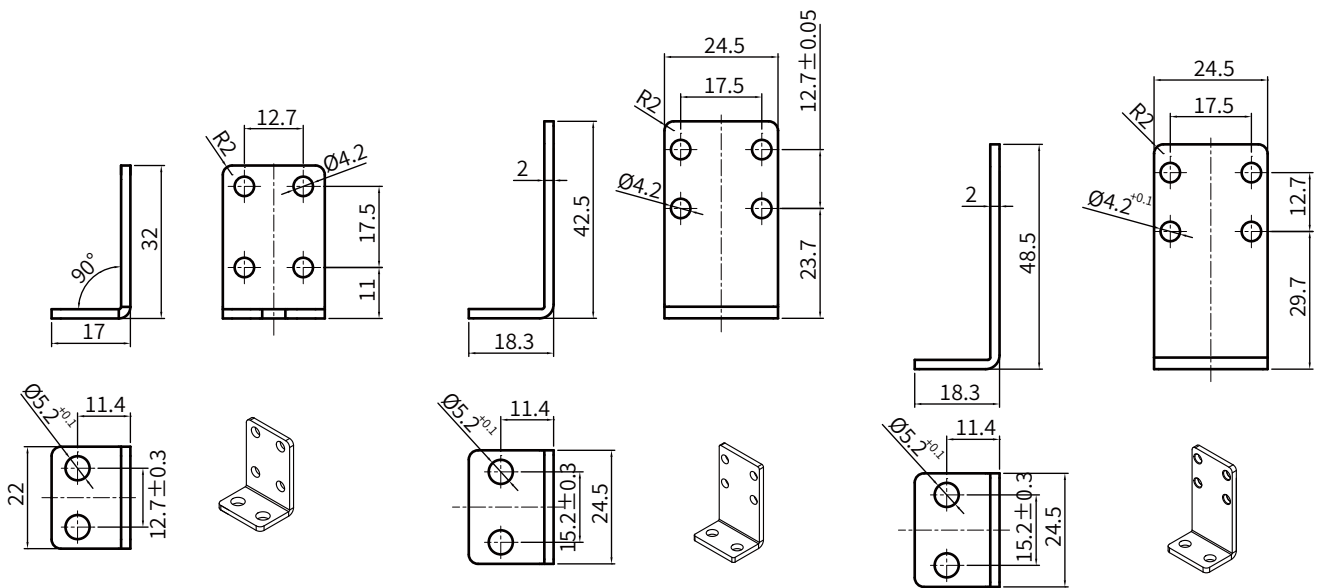
Outline Installation Dimension Drawing

SW125S (Without Bracket)



SW125SFS (Without Bracket)

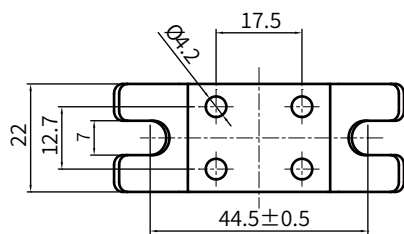




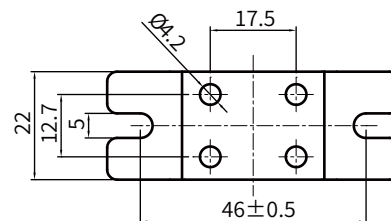
L (Horizontal) Mounting Bracket

L (Vertical) Mounting Bracket 1

L (Vertical) Mounting Bracket 2



Side Cambered Mounting Bracket



W Mounting Bracket