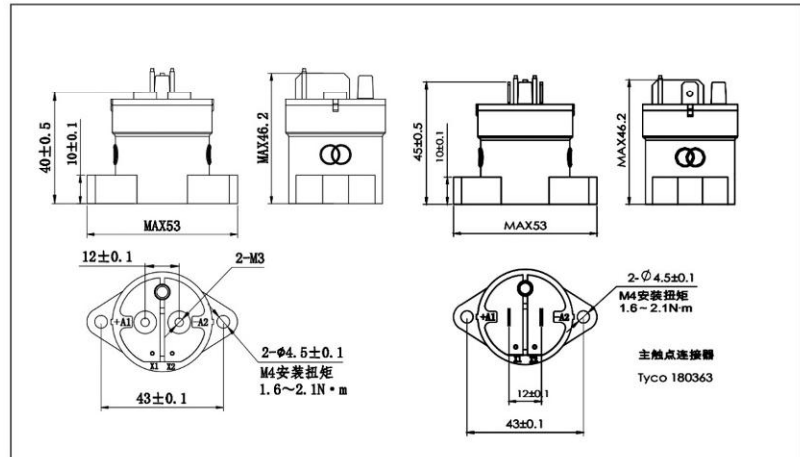


# SEV30/SEVI30 HIGH VOLTAGE DC CONTACTOR



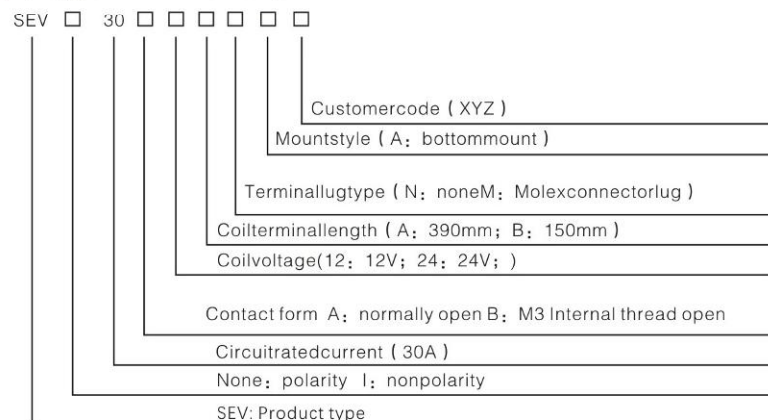
## Outline and Dimensions:



## Product features:

- 1、 Full seal construction , high safety
- 2、 Coil voltage: 12、 24 Vdc.
- 3、 Small size, high switching power
- 4、 Full sealed inside by epoxy encapsulation technology to insure coil and contactor against being oxidized for long time
- 5、 use permanent magnet to eliminate electric arc, high reliability
- 6、 Implementation criteria: GB/T 14048.4-2010
- 7、 Certification: CCC number 2019010304167727

## Type introduction:



## Application:

Mainly used in high voltage main circuit, pre-charge circuit, slow charging circuit, fast charging circuit, high voltage auxiliary system of electromobile ,as well as high voltage main circuit system in charging pile, power control system of wind power, photovoltaic.

## Coil operating voltage:

Item	Nominal Voltage	12VDC	24VDC
1	Voltage (Max.)	16VDC	28VDC
2	Pickup (close) Voltage (Max.)	9VDC	18VDC
3	Dropout (open) Voltage (Min.)	1.0VDC	2.0VDC
4	Coil Current	267mA	133mA
5	Coil Power ( 20℃ )	3.5W	3.5W
6	Coil Resistance ( 20℃ ) ± 5% Ω	45	180

# SEV30/SEVI30 HIGH VOLTAGE DC CONTACTOR

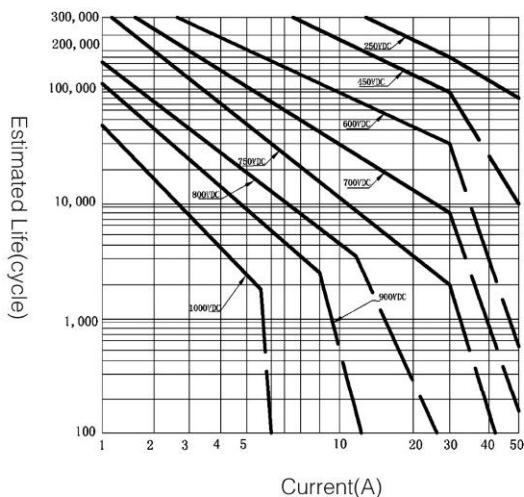


## Performance parameter:

category	Paramaters	Units	Values
Main contactor	Contact Arrangement, Main Contacts	/	1 Form X ( SPST NO DM )
	Rated Operating Voltage	VDC	12-1000
	overcurrent	A	90A 30S / 150A 10S
	Break Current at 320VDC	A	300, once ( Cycle )
	Contact Resistance, Typ. (@30A)	mΩ	≤5
	Dielectric Withstanding Voltage	VAC	2500, ( 5mA, 60s )
	Insulation Resistance @ 1000VDC	MΩ	≥100
life	Load life	30A/450V	8*10 <sup>4</sup>
		30A/750V	2*10 <sup>3</sup>
	Mechanical life	cycle	2*10 <sup>6</sup>
pick up/ release	Close (includes bounce), Typ. )	ms	≤20
	Release (includes arcing), Max	ms	≤5
Environ-ment	Shock, 11ms, 1/2 Sine, Peak ,operating	G	50
	Vibration, Sine, 80-2000Hz, Peak	G	20
	Operating Ambient Temperature	°C	-40 ~ +85
	Weight, Nominal	g	≤105

## Product life estimated(make/break):

Product life estimated(make/break) curve under resistive load



Continuous current range

