



TG300H Omni-sealed High-voltage DC Contactor (Version: A2)

© Product application

The product is mainly applied for the control of DC power supply systems including electric buses, charging piles, EVs, automotive air conditioners, and power supplies of communication, etc.



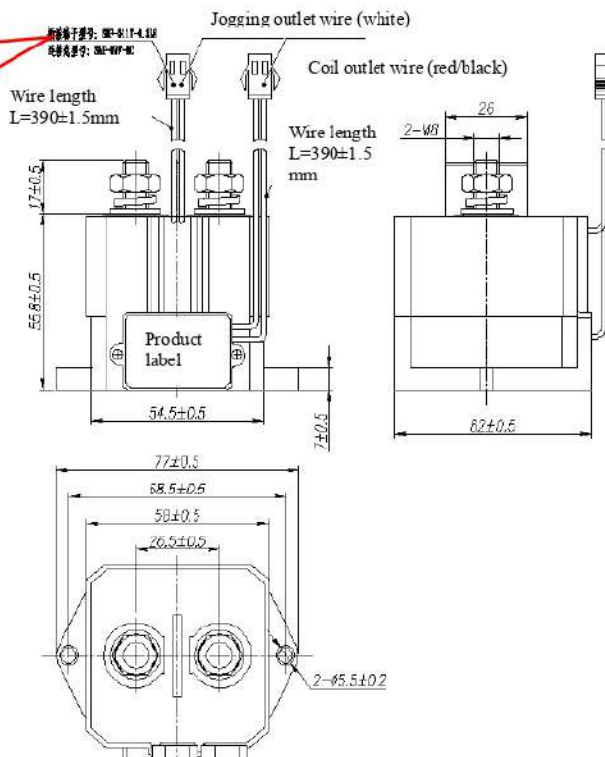
© Technical specifications (normal condition) (non-polarity of the main contact circuit)

Electrical					
Contact type	Normally open contact		Max. breaking current(A)	2000A, (320VDC) 1 time	
Contact rated load (DC)	12V~1000V,300A		Withstand voltage of medium	Between contact and coil 2200VAC,50Hz,1min, No breakdown No flashover	
Contact voltage drop (mV)	≤100				Between open contacts
Pull-in voltage (DC)	≤75%Us		Electrical life of load conversion	1000V,120A	≥1000 times
Release voltage (DC)	≤7.0			900V,200A	≥1000 times
Response time (ms)	≤30			750V,300A	≥6000 times
Release time (ms)	≤20			450V,300A	≥10000 times
Max. instantaneous current	800A, ≤1s		Mechanical life (one thousand times)		≥300
Coil voltage (DC)	12V, 24V, etc.		Temperature rise of leading-out terminal (K)		≤65
Coil direct current and power	Startin g current	≤2.5A	Coil temperature rise (K)		≤85
	Stand-b y power	≤4.0W	Contact material		Silver alloy
Action frequency	≤1Hz		Coil working system		Long-term
Insulation resistance (MΩ)	≥100				
Mechanical / Environmental					
Outgoing moment of contact M5 (N.m)	⋇9.0 as recommended		Installation type	Arbitrary	
Coil leading-out type	High temperature resistant insulated multiple copper core wire		Vibration	Sinusoidal, 2.5g, (5~50)Hz	
Operating environment	(-40~+85)°C		Impact	50g,11ms (half sinusoid)	



© Dimension and installation drawing

Connecting terminal
model: SHF-011T-0.8BS
Connecting housing
model: SMP-02V-BC





NEW ENERGY ENTERPRISES

Technical Data Sheet

DC Contactor Type TG 300H