

HVDC Relay

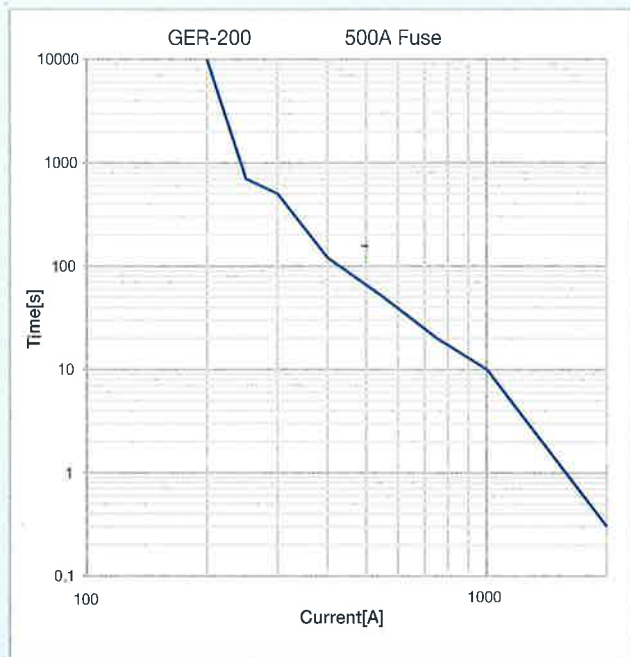
GPR200 PCB



- PCB on-board
- EV & industrial HVDC Relay
- Superior reliability
- Uni-directional

Frame		GPR200	
Pole (P)		1	
Rated insulation voltage (Ui)		DC 500V	
Rated operational voltage (Ue)		DC 450V	
Rating	Continuous current (Ith)		200A (at -40~85°C)
	Rated operational current Ie (A)	DC 450V	200A
	Short time withstand current	500sec	300A
		120sec	400A
	Coil voltage		DC 12V

I-T Curve



1. Contact data

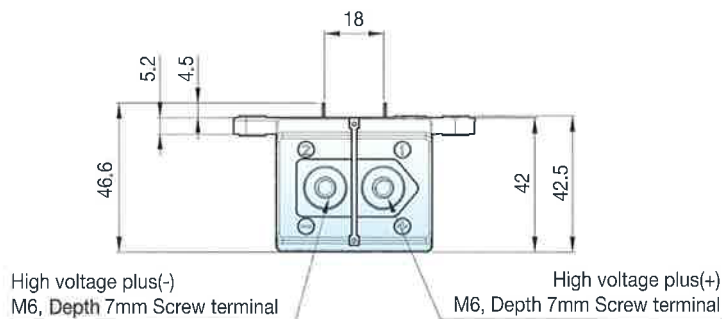
- 1) Max. continuous current: 200A (wire 50mm²)
- 2) Max. switching current (L/R<1ms)
: 4200A at DC 450V (20cpm)
- 3) Contact type: Uni-directional
- 4) Contact voltage drop (initial): 0.02V at 20A

2. Expected life

- 1) Electrical life
 - : 200A 450V (20cpm): 1,000 cycles (Uni-directional)
 - : 300A 450V (1cpm): 100 cycles (Uni-directional)
- 2) Mechanical (60cpm): Min. 200,000ops

3. Withstand voltage

- 1) Contacts & coil: 2,500Vrms/min
- 2) Contacts & frame: 2,500Vrms/min
- 3) Coil & frame: 2,500Vrms/min



General tolerance

Less than 10: ± 0.25 /10~50: ± 0.5
More than 50: ± 0.8

