



Great Electrical

GRT508H-100A



- Applicable to the sing-phase, three-phase smart meters of 15(60)A、20(80)A and the compound switches of 10KVA、16KVA
- Accessories can be customized as requirement
- RoHS compliant

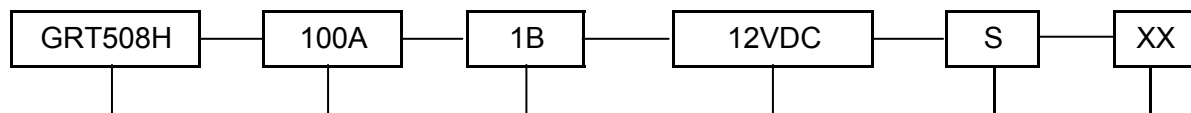
Contact parameter

| | | |
|------------------------------------|-----------------|-----------------------|
| Contact form | 1B | |
| Contact resistance (1A 6VDC) | Max.1.0mΩ | |
| Contact material | Silver alloy | |
| Contact rating (resistive load) | 100A 250VAC | |
| Max. Switching Voltage | 250VAC | |
| Max. Switching Current | 100A | |
| Max. Switching Power | 25000VA | |
| Life | Mechanical life | 5×10 ⁵ OPS |
| | Electrical life | 5×10 ³ OPS |

Performance parameter

| | | |
|---------------------------|-----------------------|-----------------------|
| Release Time | | 30ms Max |
| Operate Time | | 30ms Max |
| Dielectric strength | coil&contact | 4000VAC 50/60Hz(1Min) |
| | between open contacts | 2000VAC 50/60Hz(1Min) |
| Insulation resistance | | 500MΩ Min.(500VDC) |
| Ambient temperature | | -40℃~+70℃ |
| Relative humidity | | 45%-90% RH |
| Vibration | | 10-55Hz, 1.5mm |
| Impulsion | | 98m/s ² |
| Weight(without accessory) | | 68g |

Ordering information



| Type | Contact current | Contact form | Coil voltage | Coil type | connect accessories |
|---------|-----------------|---------------------------|-----------------|--------------------------------|---------------------|
| GRT508H | 100A | 1B: 1pole normally closed | 6, 9 12, 24V | S:single coil D:double coil | as requirement |

Typical application

- intelligent electric meter
- electric remote control
- compound switch
- leakage protector

Coil parameter(20°C)

| coil code | rated coil (VDC) | Coil resistance (Ω) \pm 10% | | Coil power (W) | | Release voltage (VDC) | operate voltage (VDC) | over voltage (VDC) | pluse width (ms) |
|-----------|------------------|--|-------------|----------------|-------------|-----------------------|-----------------------|--------------------|------------------|
| | | single coil | double coil | single coil | double coil | | | | |
| 06 | 6VDC | 14.4 | 8/8 | 2.5W | 4.5W | \leq 80% | \leq 80% | \leq 120% | \geq 80ms |
| 09 | 9VDC | 32.5 | 18/18 | | | | | | |
| 12 | 12VDC | 57.6 | 32/32 | | | | | | |
| 24 | 24VDC | 230 | 128/128 | | | | | | |

Dimension 、 wiring diagram(unit:mm)

