

Characteristics

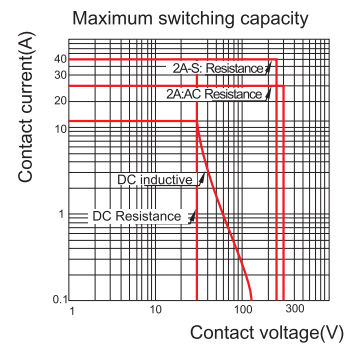
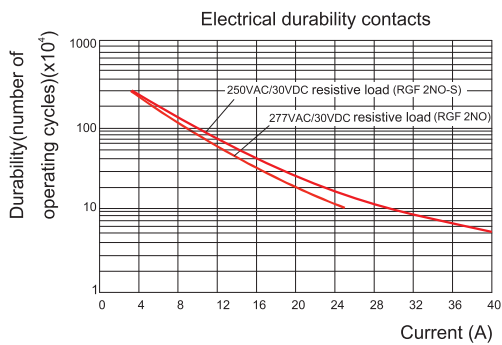
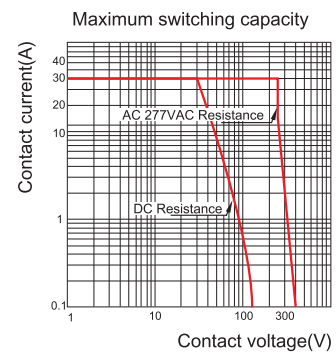
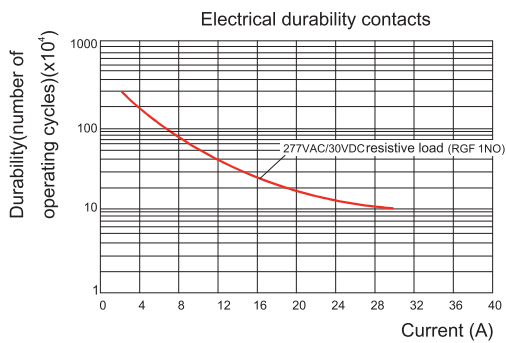
| Configuration | 1A | 2A | 2A-S | |
|--|--|---|---------------------------------------|------------------|
| Load | Resistive | 30A 277VAC/30VDC | 25A 277VAC/30VDC | 40A 250VAC/30VDC |
| | Motor load | 1.5 HP, 120VAC; 3HP, 240VAC | | |
| Max. switching capacity (resistive) | 8310 VA, 900W | 6925VA, 750W | 10000VA, 1200W | |
| Initial contact resistance | ≤50mΩ | | | |
| Contact | Material | Ag alloy | | |
| | Electrical durability | ≥10 ⁵ Cycles (1800 Ops/h) | ≥5x10 ⁴ Cycles (360 Ops/h) | |
| | Mechanical durability | ≥5000 x 10 ⁴ Cycles (1800 Ops/h) | | |
| Pick-up voltage (23°C) (Rated voltage) | DC:≤80% , AC:≤80% 50/60Hz | | | |
| Drop-out voltage (23°C) (Rated voltage) | DC:≥15% , AC:≥15% 50/60Hz | | | |
| Maximum voltage (23°C) (Rated voltage) | 110% | | | |
| Insulation resistance | ≥1000MΩ (500VDC) | | | |
| Coil operating power | DC(W) | approx. 1.9 | | |
| | AC(VA) | approx. 2.5(60Hz) | | |
| Operate time&Release time (at nominal voltage) | ≤30ms | | | |
| Initial breakdown voltage | Between open contacts | 2000VAC/1min (leakage current 1mA) | | |
| | Between poles | 2000VAC/1min (leakage current 1mA) | | |
| | Between contacts and coil | 4000VAC/1min (leakage current 1mA) | | |
| Insulation characteristics | Rated voltage | 277VAC | | |
| | Pollution level | 3 | | |
| IEC 60664 UL840 | Overvoltage level | III | | |
| Impulse withstand voltage (waveform: 1.2/50μs) | 6000V | | | |
| Protection level | IP20 | | | |
| Storage temperature/ humidity | -55~+85°C/ ≤85%RH (18 months) | | | |
| Working temperature/ humidity | -25~+55°C/ 5%~85%RH (No condensation) | | | |
| Air pressure | 86~106KPa | | | |
| Shock resistance | 10G (half-sine shock pulse: 11ms) | | | |
| Vibration resistance | 10~55Hz double-amplitude:1.5mm | | | |
| Mounting | plug in type; screw type; PCB type; DIN rail mounting type | | | |
| Unit weight | plug in type about 90g; screw type around 120g | | | |

Coil Specifications (23°C)

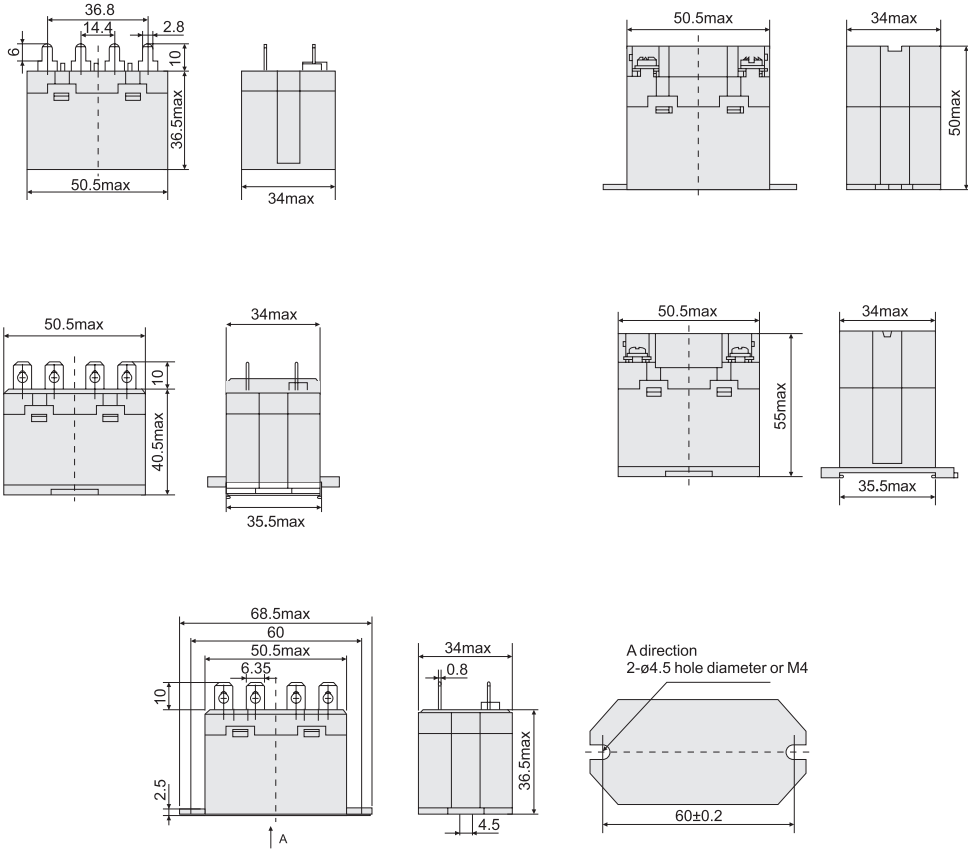
| | | | | | | | | |
|--------------------------|------|----|-----|------|---------|---------|-------|-------|
| Nominal voltage V.DC | 6 | 12 | 24 | 48 | 110 | 220 | | |
| Coil resistance Ω | 18.9 | 75 | 303 | 1220 | 6360 | 25474 | | |
| Nominal voltage V.AC | 6 | 12 | 24 | 48 | 100-120 | 200-240 | 380 | 400 |
| Coil resistance Ω | 14 | 55 | 275 | 1100 | 5200 | 21000 | 62650 | 62650 |

Coil resistance: under coil voltage 110V are measured with tolerance of $\pm 10\% \Omega$, above 110V with tolerance of $\pm 15\% \Omega$.

Contact Specification



Dimensions (mm)



Wiring Diagrams

