

MS series

■ Ratings • Performance

| Specifications | Item | | Performance |
|--|---|---|--|
| Contact specification | Contact configuration | | 4c |
| | Contact resistance | | 50mΩ max. (at DC6V 1A) |
| | Contact material | | Ag or Ag alloy |
| Ratings | Rated load (resistive load) | | AC220V 3A, DC24V 3A |
| | Max. switching capacity (resistive load) | | 660VA 72W |
| | Max. switching voltage | | AC250V, DC125V |
| | Max. switching current | | 3A |
| Electrical capability | Insulation resistance | | 100MΩ min. (at DC500V) |
| | Dielectric strength | Between coil and contacts | AC2000V 1 min |
| | | Between open contacts | AC1000V 1 min |
| | | Between opposite polarity contacts | AC2000V 1 min |
| | Operate time (at rated voltage on, at 20°C) | | 20ms max. (excluding contact bounce time) |
| Release time (at rated voltage off, at 20°C) | | 20ms max. (excluding contact bounce time) | |
| Mechanical capability | Vibration resistance | Malfunction | 10 to 55 to 10Hz (double amplitude 1.0mm) |
| | | Destruction | 10 to 55 to 10Hz (double amplitude 1.0mm) |
| | Shock resistance | Malfunction | 100m/s ² |
| | | Destruction | 1000m/s ² |
| Life | Mechanical endurance (at 18 000 times/h) | | 10 000 000 times min. |
| | Electrical endurance (resistive load) (at 1800 times/h) | | 200 000 times min. (AC: 220V 3A) |
| Conditions for operation | Ambient temperature | | -55°C to +60°C (no freezing and condensing at low temperature) |
| | Ambient humidity | | 5% to 85%RH |
| Mass | | | approx. 32g |

- Notes: The above is the initial value.
 In the Electrical Appliances and Materials Safety Act, don't use the voltage exceeding 150V AC.
 However, this is not the case unless the Electrical Appliances and Materials Safety Act is required.