GENERAL CONTROL RELAY ETR MI-2P SERIES

FEATURES

- Switching capacity 5A with two changeover contacts.
- Insulation distance of 8mm Min. is designed.
- Dielectric strength of 5,000V min. and surge strength 10,000V.
- 1/8 horse power at 120VAC and 1/8 horse power at 250VAC are certified by UL.
- TV-3 at 120VAC rating is approved by UL.
- Halogen free series available.
- UL Class F insulation available.
- Comply with RoHS and REACH regulations.

■SPECIFICATIONS

| Contact Resistance | Max. 100mΩ at initial value. @1A,6VDC | | |
|-----------------------|---|--|--|
| Contact Capacity | 5 Amps at 250VAC Cosφ=1 5 Amps at 30VDC L/R=0 TV-3 at 120VAC | | |
| Operate Time | 15m Sec. Max. (D Type) 20m Sec. Max. (L Type) | | |
| Release Time | 8m Sec. Max. | | |
| Dielectric Strength | Between coil & Contact: 5000VAC at 50/60Hz for one minute Between Contacts: 1000VAC at 50/60Hz for one minute | | |
| Insulation Resistance | 100MΩ Min. at 500VDC | | |

■COIL SPECIFICATION AT 20°C

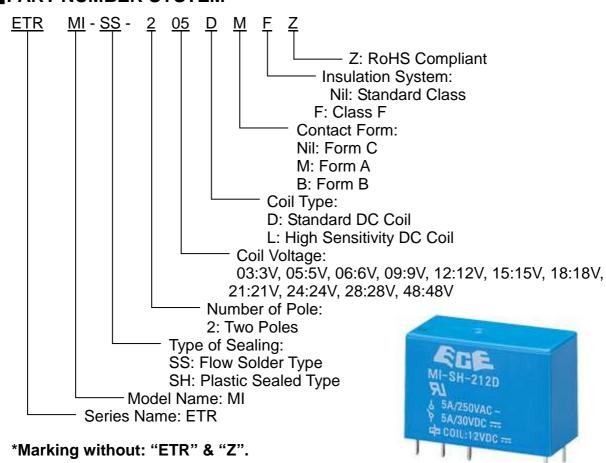
| Coil Sensitivity | Nominal Voltage (VDC) | Nominal Current (mA) | Coil Resistance (Ω±10%) | Power Consumption (W) | Pull-In Voltage (VDC) | Drop-Out Voltage (VDC) | Max. Allowable Voltage (VDC) |
|---------------------|-----------------------------|----------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------------|
| MI-2P D/DM/DB | 3 | 240 | 12.5 | Abt. 0.72 | 80% Max. | 5% Min. | 130% |
| | 5 | 138.9 | 36 | | | | |
| | 6 | 120 | 50 | | | | |
| | 9 | 78.3 | 115 | | | | |
| | 12 | 60 | 200 | | | | |
| | 15 | 48 | 313 | | | | |
| | 18 | 38 | 470 | | | | |
| | 21 | 34.3 | 612.5 | | | | |
| | 24 | 29.3 | 820 | | | | |
| | 28 | 25.7 | 1,089 | | | | |
| | 48 | 14.5 | 3,300 | | | | |



Rely on ECE's Relays, and You Always Relax!

| Coil Sensitivity | Nominal Voltage (VDC) | Nominal Current (mA) | Coil Resistance (Ω±10%) | Power Consumption (W) | Pull-In Voltage (VDC) | Drop-Out Voltage (VDC) | Max. Allowable Voltage (VDC) |
|---------------------|-----------------------------|----------------------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------------|
| MI-2P L/LM/LB | 3 | 176.5 | 17 | Abt. 0.54 | 80% Max. | 5% Min. | 130% |
| | 5 | 100 | 60 | | | | |
| | 6 | 88 | 68 | | | | |
| | 9 | 58 | 155 | | | | |
| | 12 | 44.4 | 270 | | | | |
| | 15 | 36 | 417 | | | | |
| | 18 | 30 | 600 | | | | |
| | 21 | 25.7 | 817 | | | | |
| | 24 | 21.8 | 1,100 | | | | |
| | 28 | 19.3 | 1,452 | | | | |
| | 48 | 10.9 | 4,400 | | | | |

■PART NUMBER SYSTEM





■ DIMENSIONS (≤5mm±0.2mm, >5mm±0.3mm, the tolerance of PCB thru hole: +0.1mm)

