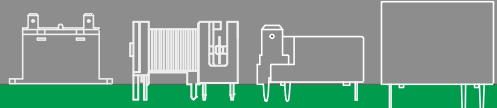


GENERAL CONTROL RELAY – ETR MI-2P SERIES



■ 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.

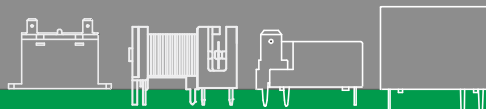
■ SPECIFICATIONS

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				

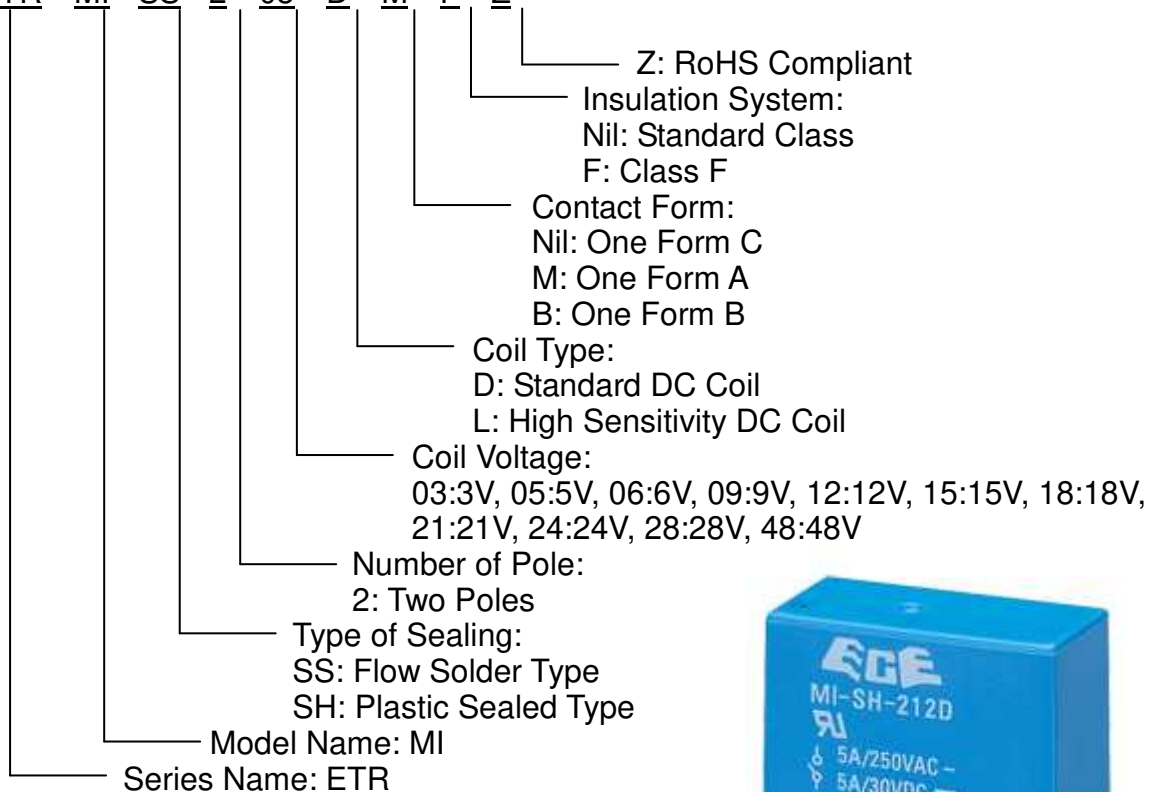
GENERAL CONTROL RELAY – ETR MI-2P SERIES



Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	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

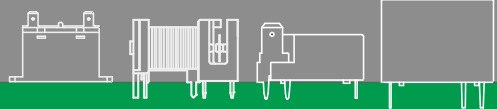
ETR MI - SS - 2 05 D M F Z



***Marking without: “ETR” & “Z”.**



GENERAL CONTROL RELAY – ETR MI-2P SERIES



■ DIMENSIONS ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

