GENERAL CONTROL RELAY ETR EMI-1P SERIES

FEATURES

- Slim size with 12A rated loaded.
- Low power consumption; AC/ DC coil available.
- Proper insulation distance with 5,000VAC dielectric strength between contact and coil.
- UL Class F insulation available.
- In accordance with IEC 60335-1 and IEC 60730-1.
- Halogen Free series available.
- Comply with RoHS and REACH regulations.
- Safety standard & File number: UL&C-UL E141060 / TUV R50006688 / VDE 40009648

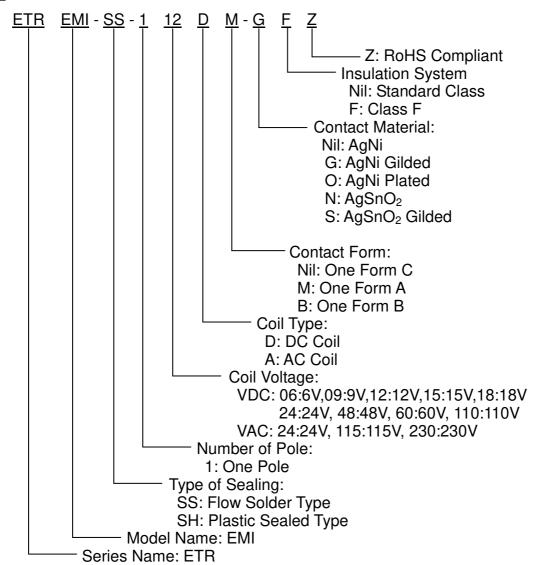
■SPECIFICATIONS

Contact Resistance	Max. 100mΩ at initial value. @1A,6VDC				
Contact Capacity	12 Amps at 250VAC Cosφ=1				
Contact Capacity	12 Amps at 30VDC L/R=0				
Operate Time	12m Sec. Max. (DC coil only)				
Operate Time	20m Sec. Max. (AC coil only)				
Release Time	8m Sec. Max. (DC coil only)				
Tielease Tillle	20m Sec. Max. (AC coil only)				
Dielectric Strength	Between coil & Contact: 5000VAC at 50/60Hz for one minute				
Biologino Ottorigin	Between Contacts: 1000VAC at 50/60Hz for one minute				
Insulation Resistance	100M Ω Min. at 500VDC				

■COIL SPECIFICATION AT 20°C

Coil Sensitivity	Nominal Voltage	Nominal Current (mA)		Coil Resistance	Power Consumption (W)		Pull-In Voltage	Drop-Out Voltage	Max. Allowable Voltage
		50Hz	60Hz	(Ω±10%)	50Hz	60Hz	(VDC)	(VDC)	(VDC)
EMI DC Coil	6	66.7		90	Abt. 0.4		80% Max.	5% Min.	130%
	9	44.6		202					
	12	33.3		360					
	15	26.6		560					
	18	22.3		810					
	24	16.7		1,440					
	48	8.7		5,520					
	60	8.2		7,340	Abt. 0.5		80% Max.	5% Min.	130%
	110	4.1		26,530					
EMI AC Coil	24	29.75	25.35	350	0.71	0.61			
	115	7.65	6.3	8,100	0.88	0.73	80% Max.	15% Min.	130%
	230	3.42	2.72	32,500	0.79	0.63			

■PART NUMBER SYSTEM



*Marking without: "ETR" & "Z".

ETR EMI-SH-124A



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

