

PCB power relays

Order code	Manufacturer code	Description
60-4640	EMI-SS-212D	EMI-SS-212D 12V 8A DPDT RELAY RC
60-4642	EMI-SS-224D	EMI-SS-224D 24V 8A DPDT RELAY RC
60-4644	EMI-SS-2230A	EMI-SS-2230A 230V AC 8A DPDT RELAY (RC)

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

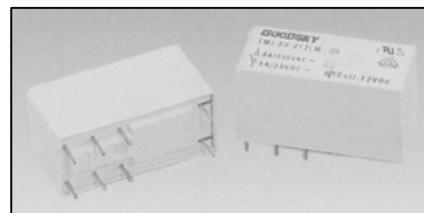
Relays and Solenoids



Goodsky EMI-2P series – Miniature 8A DPDT relays

Features:

- EMI-2P Series relays are designed for switching capacity by 8A to comply with industrial control system use
- Slim type and low profile (29.0 x 12.7 x 15.0) is developed to provide end users with more flexibility in PC board design
- Low power consumption and both AC and DC coils available
- Proper insulation distance is equipped to ensure EMI will have a 5000VAC dielectric strength between contact and coil
- Complete protective construction from dust and soldering flux



Contact ratings:

Nominal load (resistive) Contact capacity:	8A at 250VAC 8A at 30VDC
Rated carrying current:	8A
Max. allowable current:	8A
Max. allowable voltage:	AC 250V, DC 110V
Max. allowable power force:	2,000VA
Min. switching load:	DC 5V, 10mA
Contact material:	Ag alloy
Contact form:	DPDT

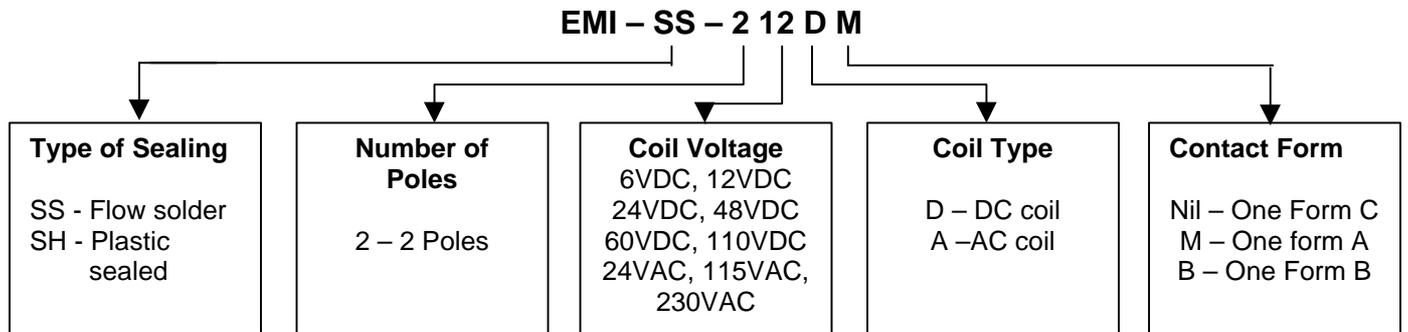
Performance (at initial value):

Contact resistance:	100mΩ Max.
Operate time:	12m Sec. Max.
Release time:	8m Sec. Max.
Dielectric strength Between coil and contact: Between contacts:	5,000VAC at 50/60Hz for one minute 1,000VAC at 50/60Hz for one minute
Surge resistance:	3,000V (between coil and contact 1 x 40m Sec.)
Insulation resistance:	100MΩ Min. at 500VDC
Max. on/off switching Electrical: Mechanical:	30 Ops. per minute 300 Ops per minute
Temperature range:	-40~85°C
Humidity range:	45~85% RH
Coil temperature rise:	30°C Max.
Vibration Endurance: Error operation:	10 to 55Hz dual amplitude width 1.5mm 10 to 55Hz dual amplitude width 1.5mm
Shock Endurance: Error operation:	100 G Min. 10 G Min.
Life expectancy Electrical: Mechanical:	10 ⁵ operations at rated resistive load. 10 ⁷ operations at no load condition
Weight:	About 15g.

Coil specifications:

Coil	Order code	Nominal voltage	Nominal current (mA)	Coil resistance ($\Omega \pm 10\%$)	Power consumption (W)	Pull-in voltage (VDC)	Drop-out voltage (VDC)	Maximum allowable voltage (VDC)
DC	60-4640	12V	33.3	360	Abt. 0.40	80% Maximum	5% Minimum	130%
	60-4642	24V	16.7	1,440				
AC	60-4644	230V	3.3	32.500	Abt. 1.65			

Part no. Explanation



Dimensions (mm):

