



EMTECH[®] SOLUTION

FAST ON-OFF NOISELESS SWITCHING SOLUTION
MFG. : SOLID STATE RELAY & SCR POWER CONTROLLER



IEC 60947-5-1



NO. 67-645-0645

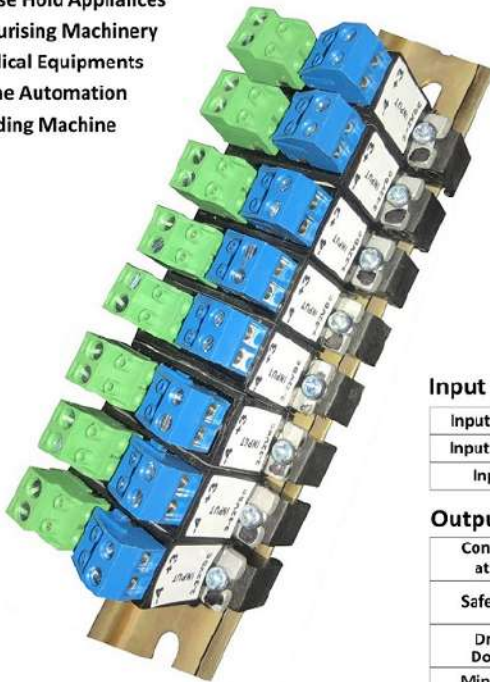
54 - Kamal Industrial Estate, Opp. Samir Hotel, Nr. Bombay Conductor, Phase - 1, G.I.D.C., Vatva, Ahmedabad - 382 445.

EMT 48 08 DA / DC to AC SSR



Applications

- # Switching of Low Wattage Load
- # Fast ON/OFF Solenoid Valves
- # Plastic Processing Machinery
- # Food Processing Machinery
- # Pharma / Printing / Packaging Machine
- # House Hold Appliances
- # Texturising Machinery
- # Medical Equipments
- # Home Automation
- # Vending Machine

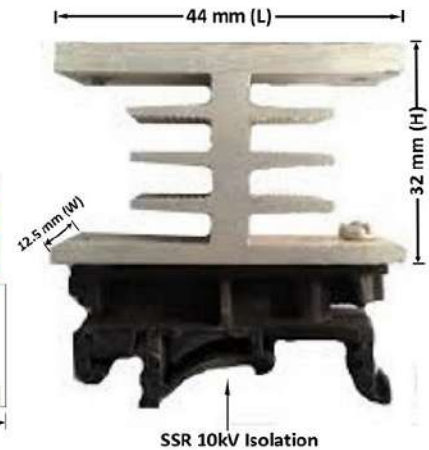
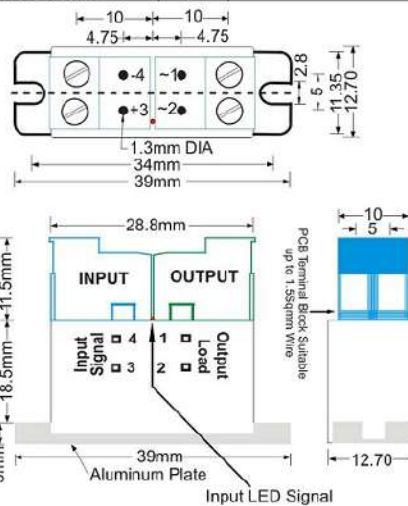


Input Specification

Input Control Supply Voltage	VDC	3-32
Input Control Supply Current	mA	4-12

Output Specification

Operational Voltage Range	Vrms	12-480VAC
Peak Inverse Voltage	Vpk	800Vpk
Rated Operational Current	I _r	4A
Minimum Holding Current	I _H	75 mA
Rated Peak Withstand Current (t = 10 ms)	ITSM	250A
Max. Load Integral I ² dt (t = 10 ms)	I ² t	312A ² S
Voltage Drop in ON-State	V _{TM}	1.2V
Critical Current Gradient	di/dt	>50A/μs
Critical Voltage Gradient	dv/dt	200 V/μs
Thermal Resistance R _{th} DC	∅ j-c	1.7
Isolation Voltage	kV	2.5kV



Input Specification

Input Control Supply Voltage	VDC	3-32
Input Control Supply Current	mA	4-12
Input Max. Impedance	Ohm	1.5kΩ

Output Specification

Continuous Drain Current at 20°C with Heat sink	Amp	8
Safe Continuous Rating load	Amp	4
Drain-to-Source Break Down Voltage V _{ds(BR)}	VDC	100
Minimum Holding Current	mA	3
Static Drain-to-Source ON Resistance R _{DS(ON)}	Ohm	0.038
Power Dissipation Pd @ TC- 25°C	Watt	33.8
Pulsed Drain Current	IDM	80
Peak Diode Recovery dv/dt	V/ns	15
Max. OFF State Leakage Current	mA	-
Maximum Junction Temperature T _{J(max)}	°C	150
Thermal Resistance Junction to Case R _{thjc}	°C/W	3.7
Load Voltage Drop less than at Rated Current	V _{DS}	≤0.4
Turn ON Delay Time T _{d-ON}	mS	2.4
Turn Off Delay Time T _{d-OFF}	mS	2.4
Duty Cycle (100%)		1
Isolation Voltage	kV	1.5
Square Wave Output	Hz	100

EMT 10 08 DC / DC to DC SSR



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