



Specifications

Operating temperature	0 to +50 °C
Operating Voltage	24 VDC
Housing Cover	Green
PCB	Double sided Glass Epoxy
Fuse	Glass Fuse 5 x 20 mm
Relay	Omron G2-R1
Fuse Holder	Vertical or Horizontal

Relay Data

Relay type	General Purpose Relay
Rated voltage capacity	30 V DC / 250 V AC
Max Opr. Frequency – Mechanical	18,000 Opr./Hr
Must Operate Voltage	70% of Max Rated Voltage
Enclosure	Fully Sealed / Plastic
Switching	One Changeover - 1C/O
Weight	Approx. 17g

Connection & Coil Details

Type of Connection	Screw & Soldered Terminals
Contact	Phoenix / Vital / Wago
Wire Cross – Section	2.5 Sq. mm
Looping	Jumpers for Common+Ve/-Ve
Coil Resistance	1100 ohm / 24VDC
Max. Operating Frequency - Electrical	1800 operations/hr
Rated Power Consumption	0.9VA / 0.53W approx.
Life Expectancy-Electrical	100,000 Opr. Min
Must release Voltage	15% Min. rated Voltage
Insulation Resistance	1000 MΩ
Vibration Resistance	10 to 55Hz 0.75mm
Dielectric Strength	5,000V AC
Shock Resistance	1,000m/s ²
Coil Inductance	4.27 H - OFF/ 8.55H – ON

Features

- Module with heavy duty power relay to drive high heavy loads like Genset
- LED indication & sturdy contact terminals
- Heat resistant & shock proof & Din rail mountable
- Freewheeling diode across relay for protection
- Possibility of supply routing through flexible jumpers
- Ideal for temperature fluctuating situations
- Stringently checked on various criterion of performance
- Suitable for high power Resistive/ Inductive & Capacitive Loads
- Longer functional life

Contact Specifications

Max Switching Voltage	380 V AC / 125 V DC
Max. Switching capacity	1250Va, 150W
Contact Type	General
Rated Load – Resistive	10A(250V AC/30V DC)
Rated Load – Inductive	7.5A(250V AC)5A(30V DC)
Contact Resistance	30 mΩ
Contact Switching	SPDT
Contact Protection	Flux Protected
Contact Material	Ag CdO
Operating Time	15m Sec
Rated Carry Current	10A
Dielectric Strength	1,000V AC
Rated Current @ 50/60Hz	21.8mA
Durability - Mechanical	20,000,000 Opr.Min
	Dimensions(LxWXH) in mm

Ordering Code

SMC 24I08OF	24 I/Ps - 08 O/Ps with Fuse	194 x 126 x 70
SMC 24I08O	24 I/Ps - 08 O/Ps without Fuse	194 x 90 x 70
SMC 24I16OF	24 I/Ps - 16 O/Ps with Fuse	301 x 126 x 70
SMC24I16O	24 I/Ps - 16 O/Ps without Fuse	301 x 90 x 70

Connection diagram

