



Specifications

Operating temperature	0 to +50 °C
Operating Voltage	12 V OR 24 VDC
Housing Cover	Green
PCB	Double sided Glass Epoxy
Relay Gen. Purpose	Omron G2-R1
Relay heavy Duty	O/E/N 53PT/BGLI
Input	Flat Ribbon Connector(FRC)
Switching	One Changeover 1C/O

Relay Data

Heavy Duty	Up to 120 Amps
Rated voltage capacity	30 V DC / 250 V AC
Rated Coil Voltage	12V/24V(DC),100V/200V(AC)
Enclosure	Fully Sealed
Max Switching Current	10 A
Max Switching Power	2500 VA , 300 W – Resistive 1875 VA , 150 W - Inductive

Connection & Coil Details

Type of Connection	Screw Connection
Contact	Phoenix / Vital / Wago
Terminal Option	PCB Terminal Block
Wire Cross – Section	2.5 Sq. mm
Looping	Jumpers for Common+Ve/-Ve
Channels	2
Contact Terminals - H.D Relay	9.5 mm Flat
Coil Resistance	1100 ohm / 24VDC
Max. Operating Frequency	1800 operations/hr
Rated Power Consumption	0.53W approx.
Life Expectancy-Electrical	100,000 Opr. Min
Rated Coil Current	21.8mA(DC) /5.5mA(AC)
Electrical Life - H.D Relay	1 x 10 ⁵ Operations. Min
Max Switching Current	150 Amp
Coil Power - H.D Relay	1.92 W
Operate Time - H.D. Relay	15 m Sec
Release Time - H.D. Relay	15 m Sec

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
- 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
Rated Road – Resistive	10A(250V AC)/(30V DC)
Rated Road – Inductive	7.5A(250V AC)/5A(30V DC)
Operate (Set) Time	15m Sec
Release(Reset) Time	AC: 10 m Sec ,DC:5 m Sec
Insulation Resistance	1000 MΩ
Contact Current - H.D Relay	1A
Contact Resistance	30 mΩ
Contact Switching	SPST –NO
Contact Protection	Flux Protected
Contact Material	AgCdo / Silver Nickel
Rated Carry Current	10A
Contact Rating - H.D. Relay	70A
Contact Voltage Drop -H.D Relay	30mV at 10A
Operating Power - H.D Relay	1.1 W
Dielectric Strength - H.D Relay	500 VRMS
Insulation Resistance - H.D. Relay	1000 MΩ 500 V DC

Ordering Code

Dimensions(LxWXH) in mm

SMC - 530A02N0(COMPONENT)	12V DC - 1 C/O	75 x 125 x 60
SMC - 5302N01CO-2C-DP-72	12V DC - 2 C/O	95 x 90 x 70

Connection Diagram

