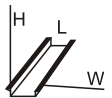
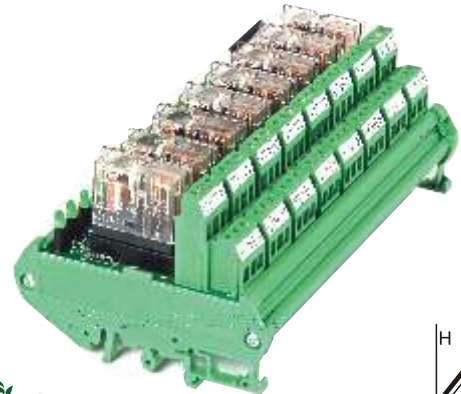


TWO CHANGE OVER - AC COIL VOLTAGE

Features

- Available In 1/2/4/8/16 Channels.
- Coil Voltage 24/110/230V AC.
- Switching Current 5A at 30V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

Number of Channels	1/2/4/8/16 channels other than specified available on request.
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 across relay coil
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

RELAY COIL DATA

Rated coil voltage	24V AC	110V AC	230V AC
Coil resistance (Ohms)	260	4600	26850
Rated coil current (mA)	46.5	11.0	4.7
Must operate voltage	80% max. of rated voltage		
Must release voltage	30% max. of rated voltage		
Maximum voltage	140% at 23°C		
Power consumption (VA Approx.)	0.9	0.9	0.9
Other coil voltages	12V AC are available on request.		

RELAY DATA

Relay make	OMRON G2R Series, Relay other than OMRON make available on request
Contact type	2 C/O (DPDT)
Relay approvals	

RELAY CONTACT DATA

Contact material	Ag-alloy (Cd free)
Rated current (Resistive) (Inductive)	5A at 250V AC & 5A at 30V DC 2A at 250V AC & 3A at 30V DC
Maximum switching voltage	380V AC, 125V DC
Contact resistance	50mOhm max.
Operate time	15 ms max.
Release time	AC: 10 ms max.
Insulation resistance	1000 M Ohm min.
Di-electric strength between coil & contact	5000V AC, 50/60 Hz for 1 min
Maximum mechanical operating frequency	18000 operation/hour
Maximum electrical operating frequency	1800 operation/hour (under rated load)
Mechanical life expectancy	10,000,000 operations min for AC coil
Electrical life expectancy	100,000 operations min. (At max. Operations frequency & max. Load current)

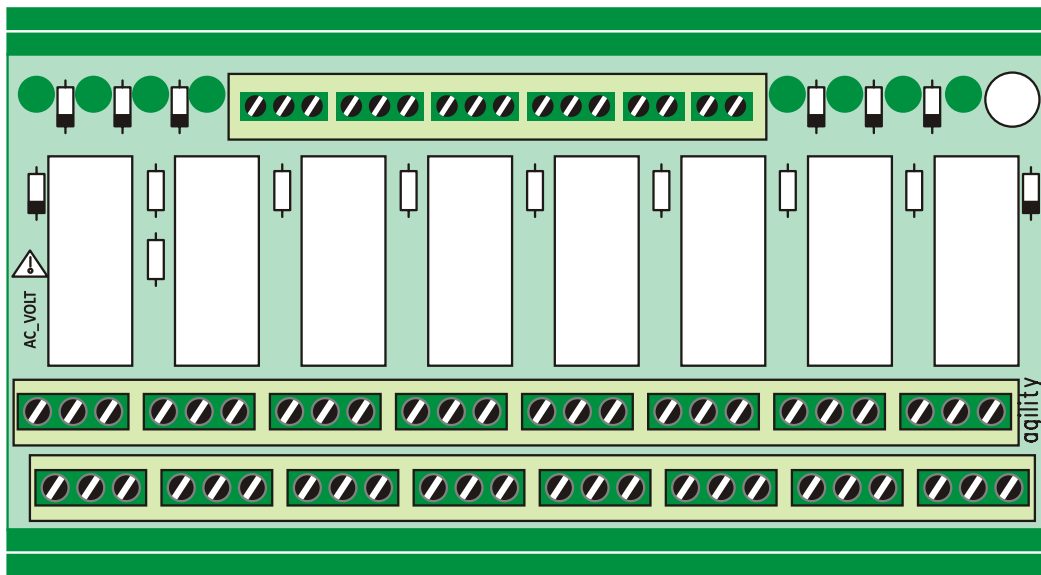
CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

ORDERING INFORMATION

2 C/O 230V AC			2 C/O 110V AC		
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100099	AE-01-230A-2-B	26 x 90 x 70	11100084	AE-01-110A-2-B	26 x 90 x 70
11100100	AE-02-230A-2-B	44 x 90 x 70	11100085	AE-02-110A-2-B	44 x 90 x 70
11100101	AE-04-230A-2-B	82 x 90 x 70	11100086	AE-04-110A-2-B	82 x 90 x 70
11100102	AE-08-230A-2-B	160 x 90 x 70	11100087	AE-08-110A-2-B	160 x 90 x 70
11100103	AE-16-230A-2-B	313 x 90 x 70	11100088	AE-16-110A-2-B	313 x 90 x 70

Layout Diagram of AE-08-230A-2-B



Connection Diagram of AE-08-230A-2-B

