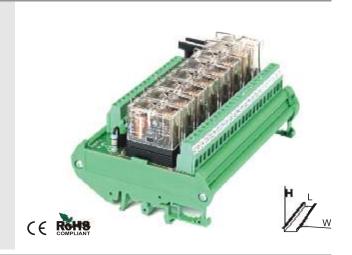
ONE CHANGE OVER - AC COIL VOLTAGE

Features

- Available In 1/2/4/8/16 Channels.
- Coil Voltage 24/110/230V AC.
- Switching Current 10A 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	20200		
Rated coil current (mA)	46.5	11.0	5.5	
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	1 C/O (SPDT)	
Relay approvals	A @ 🕸 🛆	
CONNECTION DATA		
Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)	

Output (Contact Side)

wire

Make

Cross section of permissible

PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)

Solid Min/Max: 0.2/4.0 mm² Stranded Min/Max: 0.2 / 2.5 mm²

Phoenix Contact or equivalent

RELAY CONTACT DATA		
RELAT CONTACT DATA		
Contact material	Ag-alloy (Cd free)	
Rated current (Resistive) (Inductive)	10A at 250V AC & 10A at 30V DC 7.5A at 250V AC & 5A at 30V DC	
Maximum switching voltage	380V AC, 125V DC	
Contact resistance	30mOhm 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)	

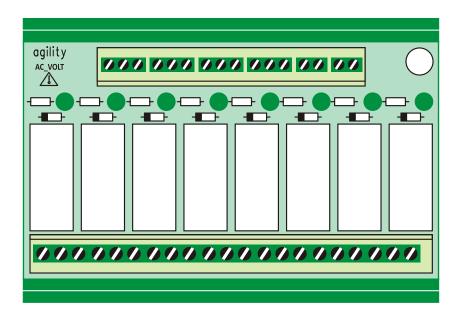
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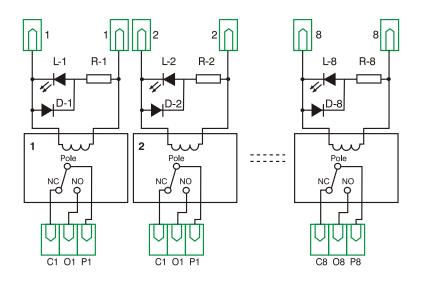
ORDERING INFORMATION

1 C/O 230V AC		1 C/O 110V AC			
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)
11100251	AE-01-230A-1-B	21 x 90 x 70	11100252	AE-01-110A-1-B	21 x 90 x 70
11100250	AE-02-230A-1-B	36 x 90 x 70	11100253	AE-02-110A-1-B	36 x 90 x 70
11100249	AE-04-230A-1-B	66 x 90 x 70	11100254	AE-04-110A-1-B	66 x 90 x 70
11100234	AE-08-230A-1-B	128 x 90 x 70	11100247	AE-08-110A-1-B	128 x 90 x 70
11100248	AE-16-230A-1-B	252 x 90 x 70	11100255	AE-16-110A-1-B	252 x 90 x 70

Layout Diagram of AE-08-230A-1-B



Connection Diagram of AE-08-230A-1-B



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