TWO CHANGE OVER - DC COIL VOLTAGE (WITH G2R RELAY)

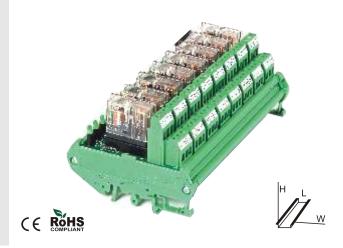
Features

- Available in 1/2/4/8/16 Channels
- Coil Voltage 5/12/24/48/110V DC
- Switching Current 5A at 30V DC/230V AC
- Freewheeling Diode across relay coil for protection
- Jumpers are provided for selection between positive/ negative looping
- LED indication to denote relay actuation
- Available with pluggable relays, directly soldered on request.

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

Phoenix Contact or equivalent

- Available with Fully Sealed Relay on request
- Mountable on Universal DIN Rail



TECHNICAL INFORMATION

GENERAL DATA		RELAY COIL DATA							
Number of Channels	1/2/4/8/16 channels other than specified available on request.	Rated coil voltage	12V DC	24V DC	48V DC	100V DC			
		Coil resistance (Ohms)	275	1100	4170	18860			
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent	Rated coil current (mA)	43.6	21.8	11.5	5.3			
		Must operate voltage	80% max. of rated voltage						
Input indication	3 mm green LED for input status	Must release voltage	30% max. of rated voltage						
Relay protection	Free wheeling diode 1N4007 across relay coil	Maximum voltage	140% at 23°C						
Relay Socket	Paramount or equivalent	Power consumption	530	530	530	530			
Ambient operating temperature	0°C to 50°C	(mW Approx.)							
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 DATA		RELAY CONTACT DATA							
Relay make	OMRON G2RL Series, Relay other than OMRON make available on request	Contact material	Ag-alloy (Cd free)						
Contact type	2 C/O (DPDT)	Rated current (Resistive) (Inductive)	5A at 250V AC/ 30V DC 2A at 250V AC, 3A at 30V DC						
Relay approvals	FL @	Maximum switching voltage	380V AC, 125V DC						
		Contact resistance	50mOhm max.						
		Operate time	15 ms max.						
		Release time	DC: 5 ms max. & AC: 10 ms max.						
CONNECTION DATA		Insulation resistance	1000 M Ohm min.						
Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)	Di-electric strength between 5000V AC, 50/60 Hz for 1 min coil & contact							
		Maximum mechanical operating frequency	18000 operation/hour						
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)	Maximum electrical operating frequency	1800 operation/hour (under rated load)						

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wire

Make

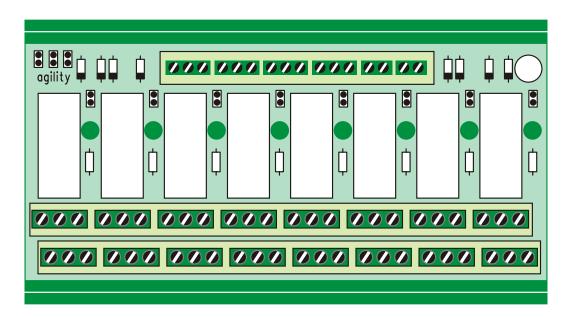
Cross section of permissible



ORDERING INFORMATION

2 C/O 24V DC			2 C/O 12V DC			
Article Nos.	Descriptions	Dimension LxWxH (mm)	Article Nos.	Descriptions	Dimension LxWxH (mm)	
11100006	AE-01-024D-2-B(G2R)	24 x 90 x 68	11100021	AE-01-012D-2-B(G2R)	24 x 90 x 68	
11100007	AE-02-024D-2-B-C(G2R)	44 x 90 x 68	11100022	AE-02-012D-2-B-C(G2R)	44 x 90 x 68	
11100008	AE-04-024D-2-B-C(G2R)	82 x 90 x 68	11100023	AE-04-012D-2-B-C(G2R)	82 x 90 x 68	
11100009	AE-08-024D-2-B-C(G2R)	159 x 90 x 68	11100024	AE-08-012D-2-B-C(G2R)	159 x 90 x 68	
11100010	AE-16-024D-2-B-C(G2R)	312 x 90 x 68	11100025	AE-16-012D-2-B-C(G2R)	312 x 90 x 68	

Layout Diagram of AE-08-024D-2-B-C(G2R)



Connection Diagram of AE-08-024D-2-B-C(G2R)

