

## ONE CHANGE OVER - DC COIL VOLTAGE (COMPACT MODULE)

### Features

- Available in 8/16/32 Channels.
- Coil Voltage 5/12/24/48V DC.
- Switching Current 6A at rated voltage.
- 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.
- Available with fully sealed relays.
- Mountable on Universal DIN Rail



### TECHNICAL INFORMATION

#### GENERAL DATA

Number of Channels	8/16/32 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
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	5	12	24	48
Coil resistance (Ohms)	147 + 10%	848 + 10%	3390 + 10%	10600 + 15%
Rated coil current (mA)	80.0			
Operate voltage	3.5	8.4	16.8	33.6
Release voltage	0.25	0.6	1.2	2.4
Power consumption (mW Approx.)	170	170	170	217

#### RELAY DATA

Relay make	Schrack or equivalent
Contact type	1 C/O (SPDT)
Relay approvals	

#### RELAY CONTACT DATA

Contact configuration	1 CO
Rated current	6A
Rated voltage / max.switching voltage AC	240/400V AC
Maximum breaking capacity AC	1500V A
Limiting making capacity, max 4s, duty factor 10%	10A
Contact material	AgSnO2
Minimum contact load	100mA, 12V
Mechanical endurance	100,00,000 cycles
Rated frequency of operation with / without load	6 /1200 min-1

#### CONNECTION DATA

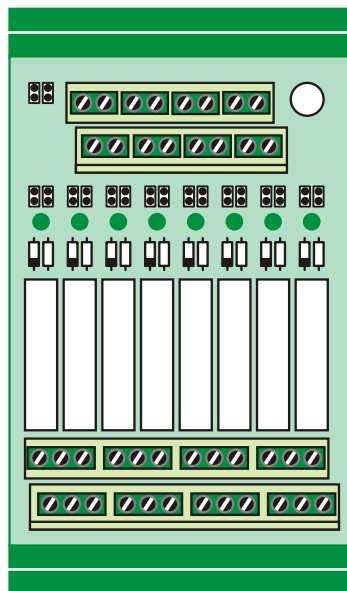
Input (Coil) Side	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0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

**ORDERING INFORMATION**

**1 C/O 24V DC**

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100423	AE-08-024D-1-B-C (SL-108)	70 x 126 x 66
11100422	AE-16-024D-1-B-C (SL-108)	132 x 126 x 66
11100611	AE-32-024D-1-B-C (SL-108)	194 x 126 x 66

**Layout Diagram of AE-08-024D-1-B-C (SL-108)**



**Connection Diagram of AE-08-024D-1-B-C (SL-108)**

