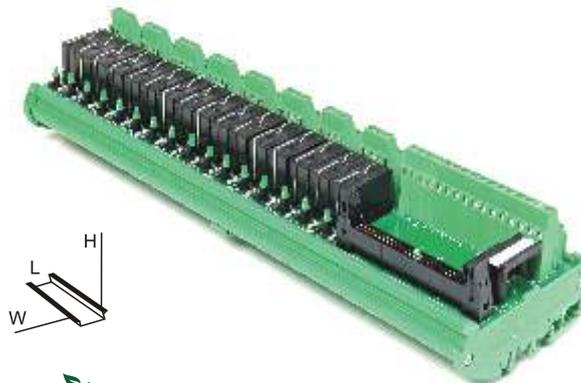


CNC MODULE WITH ELECTROMECHANICAL RELAY

Features

- Designed for interfacing CNC Machine controllers having 24 inputs and 16 outputs with System Peripherals.
- Coil Voltage 24V DC.
- Switching Current 12A at 24V DC/ 250V AC.
- Freewheeling Diode across relay coil for protection.
- 50 Pin FRC Connector.
- LED indication to denote relay actuation.
- Available with pluggable relays, directly soldered on request.
- With Screw Terminals, Spring Terminals on request
- Available with Fully Sealed Relay on request.
- Mountable on Universal DIN Rail.



TECHNICAL INFORMATION

GENERAL DATA

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 DC
Coil resistance (Ohms)	1440
Rated coil current (mA)	16.7
Number of signals driving relays	16
Power consumption (mW Approx.)	400

RELAY DATA

Relay make	OMRON G2RL Series, Relay other than OMRON make available on request
Contact type	1 C/O (SPDT)
Relay approvals	

RELAY CONTACT DATA

Output voltage for direct signals	Ag-alloy (Cd free)
Output voltage for on signals through relay	24V DC / 250V AC
Contact material	Ag-alloy (Cd free)
Rated current (Resistive)	12A at 250V AC/24V DC
Contact resistance	100 mOhm max.
Operate time	15 ms max.
Release time	DC: 5 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)

CONNECTION DATA

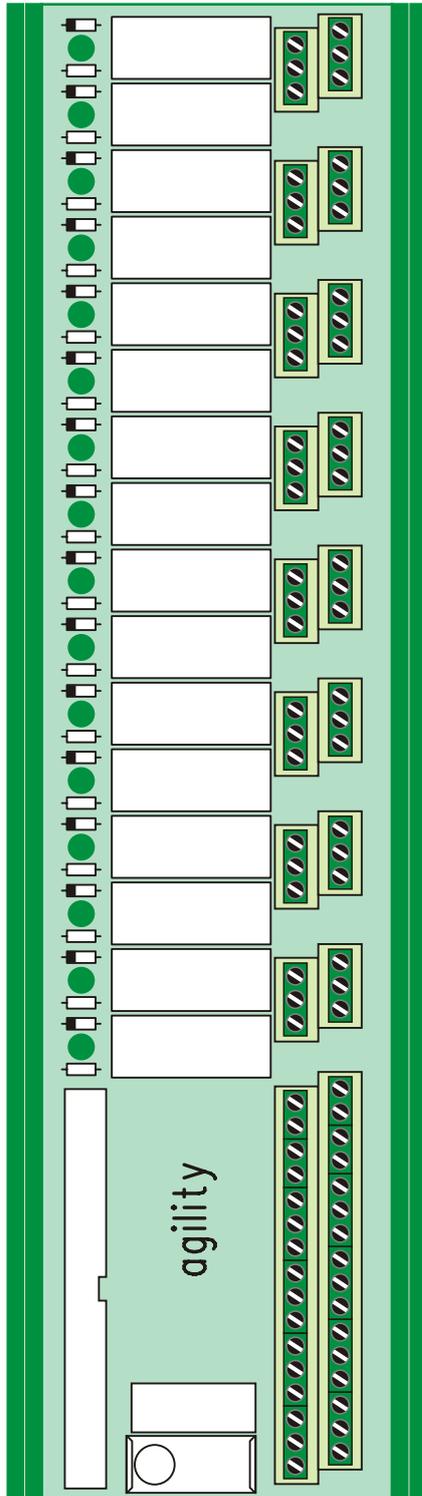
Input	50 Pin FRC connector
Make	Omron or equivalent
Output	PCB Terminals Screw (Nominal current: 24A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm ² Stranded Min/Max: 0.2 / 2.5 mm ²
Make	Phoenix Contact or equivalent

ORDERING INFORMATION

CNC Module with Electromechanical Relay

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100231	AE-16-024D-1-B-CNC	312 x 90 x 65

Layout Diagram of AE-16-024D-1-B-CNC



Connection Diagram of AE-16-024D-1-B-CNC

