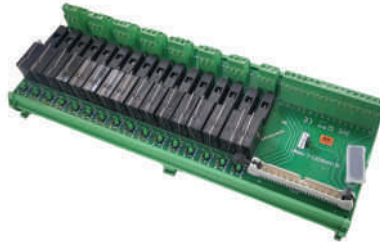


CNC Interface Modules

CNC Specific I/O Interface Module

Features:

- Fast traceability of signal status through Channel-wise LED indications.
- Plug-in Relays.
- Reduces Installation & commissioning time.
- Provides ease trouble-shooting & maintenance.
- Compact in design.
- Universal Rail mounting.



Technical Data:

System Input Data

Number of Inputs & Outputs	24 Digital Inputs & 16 Digital Outputs
Input Signal Voltage	24VDC
Signal Mode	Non-Redundant
Input Status LED/Channel	Green LED
Protection	Back emf
Signal Configuration	Source
Termination	50 Pin FRC Connector

Field Output Data

Output Signal Voltage	24VDC
Signal Configuration	Pot-free
Contact Configuration	DPDT, 2 Change Over
Contact current rating	5Am @ 230VAC / 24VDC
Protection	Short Circuit (refer selection matrix)
Fuse Type	Glass Fuse

Field Side Termination

Terminal Type	Screw Terminal
Nominal Current /Sq.mm	24A/ 2.5mm ²
Rated Voltage	250V
Rated surge Voltage	4KV
Solid/ Stranded	0.2-4/ 0.2-2.5/ 24-12
[mm ² / mm ²] AWG	
Insulation material	PA/I
Tightening torque	0.6 Nm Max.

Field Side Power Supply

Aux Voltage	24VDC/110VAC/230VAC
Power ON Status	Green LED

System Side Termination

Terminal Type	50 Pin FRC Connector
Contact Material	Copper Alloy
Operating Current	1.5A per contact @ 20°C
Contact Resistance	≤ 20mΩ
Insulation Resistance	≥ 5000 MΩ @ 100V
@ 500Vdc	
Dielectric Withstanding Voltage	1000 Vrms

Relay Data

Relay Make	Omron, G2RL Series or Equivalent
Contact Type	DPDT, 2 Change Over
Approvals	

Relay Socket

Rated values	5A AC/ DC, 250V rms
Dielectric strength	2000V AC rms for 1 min.
Insulation resistance	1000MΩ at 500V DC
Ambient temperature	-45 to +120°C

General Data

Ambient temperature	0°C to +60°C
Relative humidity	Max. 90% (Non-condensing)
PCB design	UL standard ANSI IPC 2221,2222 & MIL 275B
Screw- Terminals	UL, CSA Standard & CE standard
Mounting	Universal Rail Mounting

Selection Matrix CNC Interface Relay Module 24Input & 16 Output (Non-redundant)

Channel Density		16	
Protection	Contact Fuse	-	✓
	Fuse Fail LED	-	-
Pot-free Contact		✓	✓
Wetted Contact		-	-
Configuration	Source	✓	✓
	Sink	-	-
Current Consumption		410mA	410mA
Dimensions in mm(L X W)		312 X 90	312 X 126
Part No.		UL24I16O-PWRMT-OB	UL24I16O-OF-C-PWRMT-OB
Ordering Code		089010100002	089010100001

Application Industry



Note: Specify Prefab cable length while ordering.