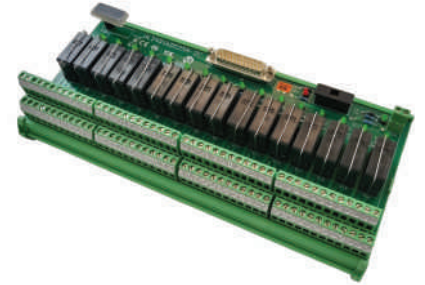
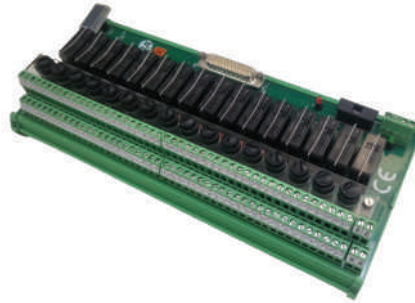


Modular Wiring Solutions

Digital Output Relay Field Termination Assembly using 2 C/O Relays for Differential type Digital Output module

Features:

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



Technical Data:

System Input Data

Input Signal Voltage	24VDC
Signal Mode	Non-Redundant or Redundant (user to specify)
Input Status LED/Channel Protection	Green LED Back emf
Signal Configuration	Differential
Termination	37 Pin D-Sub Connector

Field Output Data

Output Signal Voltage	24VDC/110VAC/230VAC
Signal Configuration	Pot-free/Wetted (user to specify)
Contact Configuration	DPDT, 2 Changeover
Contact Current rating	8 Amp.@ 250VAC/24VDC
Protection	Short Circuit
Fuse Type	Glass Fuse
Fuse Fail LED/Channel	Red LED

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 Power Supply

Aux Voltage	-
Power ON Status	-

System Side Termination

Terminal Type	D-Sub Connector
Contact Material	Copper Alloy
Operating Current	5 A per contact
Contact Resistance	≤ 10mΩ
Insulation Resistance	≥ 5000 MΩ
Maximum Voltage	1000 Vrms

Relay Data

Relay Make	Omron, G2R L 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	Din Rail Mountable

Selection Matrix for Digital Output Relay Interface Module with 2 C/O contact for differential type digital output module (Non-redundant)

Channel Density	16						
Protection	Contact Fuse	-	-	✓	✓	✓	✓
	Fuse, LED	-	-	✓	-	✓	✓
Pot-free Contacts	1st C/O	✓	-	✓	-	-	-
	2nd C/O	✓	-	✓	✓	✓	✓
Wetted Contacts	1st C/O	-	✓	-	✓	✓	✓
	2nd C/O	-	✓	-	-	-	-
Current Consumption	410mA	410mA	410mA	410mA	410mA	410mA	410mA
Dimensions in mm(L X W)	258 X 126MM	276 X 126MM	357 X 126MM	357 X 126MM	272X126MM	352 X 126MM	
Part No.	UL16DOFTA2CO-D37	UL16DOFTA2WT-D37	UL16DOFTA-OFI-2C-D37	UL16DOFTA1WF1CO-D37	UL24D16DO-FTA-1WF1CO-D37 VF CMPT	UL16DOFTA1WF1CFI-D37	
Ordering Code	085030300017	085030300111	085030300015	085030300011	085030300030	085030300020	

Selection Matrix for Digital Output Relay Interface Module with 2 C/O contact for differential type digital output module (Redundant)

Channel Density	16	
Protection	Contact Fuse	✓
	Fuse, LED	✓
Pot-free Contacts	1 st C/O	✓
	2 nd C/O	✓
Wetted Contacts	1 st C/O	✓
	2 nd C/O	-
Current Consumption	410mA	410mA
Dimensions in mm(L X W)	262 X 126	352 X 126
Part No.	UL16DOREDFTA2CO-D37	UL16DOREDFTA1WF1CFI-D37
FIM Ordering Code	085040300013	085040300019

Note: Digital Output Relay Field Termination Assembly are available in wide permutations & combinations.
 • Other combination if any can be available on request.
 • Pot free Relay Contact Fuse Rating will be 5A & Wet Contact fuse rating will be 2A or please specify.