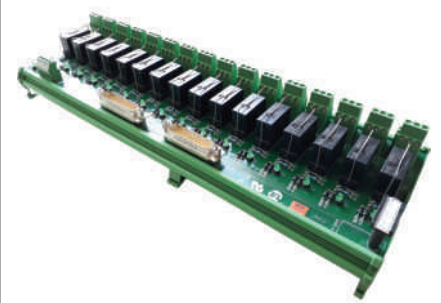
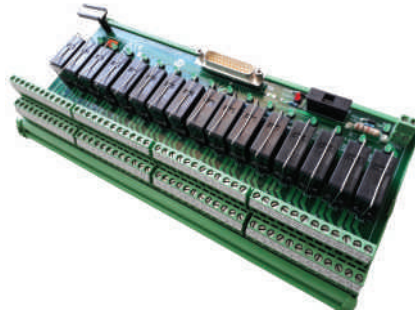


# Modular Wiring Solutions

## Digital Output Relay Field Termination Assembly using 1 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	Green LED
Protection	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	SPDT, 1 Change over
Contact current rating	12 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 <sup>2</sup>
Rated Voltage	250V
Rated surge Voltage	4KV
Solid/ Stranded	0.2-4/ 0.2-2.5/ 24-12
[mm <sup>2</sup> / mm <sup>2</sup> ] 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 V rms

#### Relay Data

Relay Make	Omron, G2RL Series or Equivalent
Contact Type	SPDT, 1 Changeover
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 Field Termination Assembly with 1 C/O contact for differential type digital output module (Non-redundant)

Channel Density	16				
Protection	Contact Fuse	-	✓	✓	-
	Fuse, LED	-	✓	✓	-
Pot-free Contact	✓	✓	-	-	-
Wetted Contact	-	-	✓	✓	✓
Current Consumption	410mA	410mA	410mA	410mA	410mA
Dimensions in mm (L X W)	254 X 126	269 X 126	282 X 126	277 X 126	
Part No.	UL24D16DOFTA-CD37	UL16DOFTA-CFI-C-D37-VF-CMPT-XOR	UL16DOFTA-WFI-C-D37-VF-CMPT-XOR	UL24D16DO-WT-FTA-CD37 SNB	
Ordering Code	085030300073	085030300126	085030300128	085030300089	

**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.