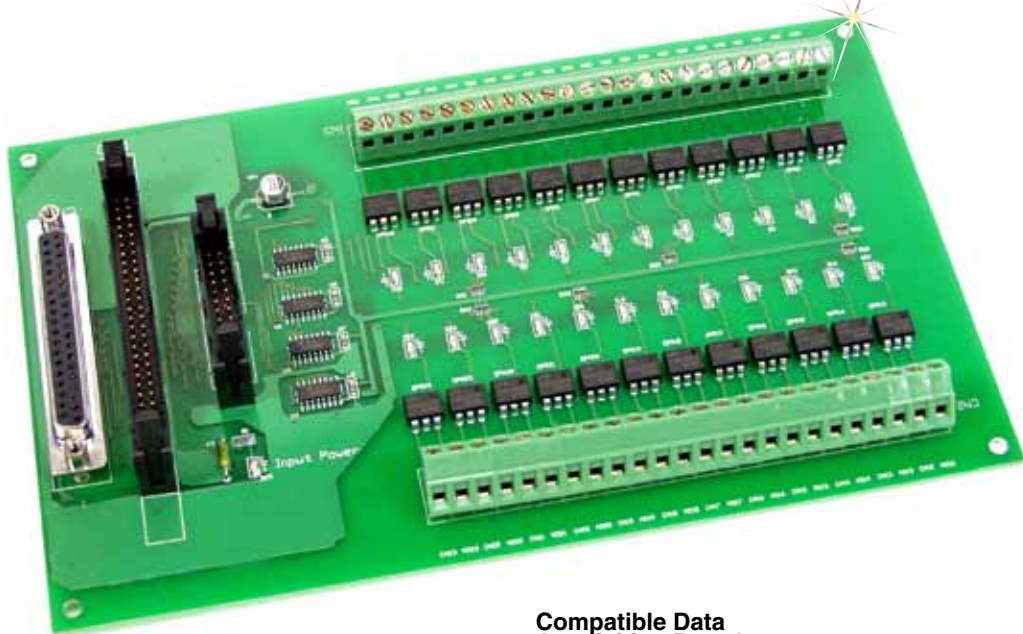


24-Channel Photo-MOS Relay Output Board

OME-DB-24POR



OME-DB-24POR shown smaller than actual size.

- ✓ 24 Photo MOS Relays
- ✓ One (Optionally Isolated) 50-Pin Compatible Connector, One 37-Pin D-Sub Connector and One 20-Pin Connector
- ✓ Connects to OME Series of Data Acquisition Boards with Digital Outputs
- ✓ LED Indicates Relay Status
- ✓ Screw Terminals for Easy Field Wiring
- ✓ 5000 Vdc Optical Isolation
- ✓ Switch up to Maximum 0.13 A at Maximum 350 Vac
- ✓ 5 Vdc Logic Levels

The OME-DB-24POR includes 24 normally open, Form A, Photo MOS Relays. The board interfaces to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The user can use the OME-DB-24POR to switch loads, up to 350 Vac and up to 0.13 A. The relay is energized by applying a 5V signal to the appropriate relay channel on the 50-pin compatible connector, 37-pin D-Sub connector or 20-pin flat-pin connector. Twenty-four enunciator LED's, one for each relay, light when their associated relay is activated.

Specifications

Turn-On Time: 0.7 ms (typical)
Turn-Off Time: 0.05 ms (typical)
Output On Resistance: 23Ω (typical)
Load Voltage: 350V (peak AC)
Power Dissipation: 500 mW
Input / Output Isolation: 5000 Vac
Continuous Load Current: 0.13 A (peak AC)

Power Consumption: +5V @0.3 A max
Dimensions:
 130 H x 220 mm W (5.1 x 8.7")
Operating Temperature:
 0 to 60°C (32 to 140°F)
Storage Temperature:
 -20 to 70°C (-4 to 158°F)
Humidity: 5 to 90% RH non-condensing

Compatible Data Acquisition Boards

Board	Cable	
	20 Pin*	50 Pin
OME-PCI-1802	✓	
OME-PCI-1800	✓	
OME-PCI-1602	✓	
OME-PCI-1202	✓	
OME-PCI-1002	✓	
OME-PIO-DA8	✓	
OME-PIO-DA4	✓	
OME-PIO-D144		✓
OME-PIO-D96		✓
OME-PIO-D56		✓
OME-PIO-D48		✓
OME-PIO-D24	✓	
OME-PCI-TMC12	✓	
OME-A-826PG	✓	
OME-A-822PG	✓	
OME-A-8111	✓	

* Boards with 20-pin header provide support for only 16-channels

To Order	
Model No.	Description
OME-DB-24POR	24-channel photo-mos relay output board, includes 1.5 m (5') 50-pin flat-cable
OME-DB-24POR/DIN	OME-DB-24POR with DIN-rail mounting kit
OME-CA-2010	20-pin flat cable, 1 m (3')
OME-CA-2020	20-pin flat cable, 2 m (6.5')
OME-CA-3710	37-pin D-sub connector cable, 1 m (3')
OME-CA-3720	37-pin D-sub connector cable, 2 m (6.5')
OME-CA-5015	50-pin flat cable, 1.5 m (5')