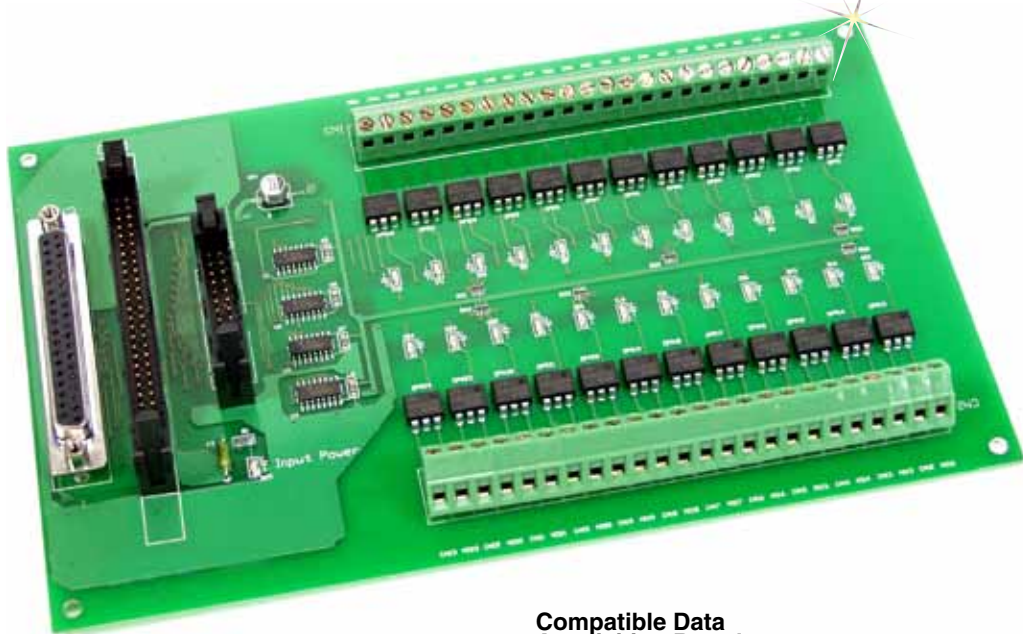


24-Channel Photo-MOS Relay Output Board

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



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

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')

Comes complete with operator's manual on CD ROM.

Ordering Example: OME-DB-24POR 24-channel OPTO-22 photo-mos relay board and OCW-1 OMEGACARESM 1 year extended warranty for OME-DB-24POR (adds 1 year to standard 1 year warranty).