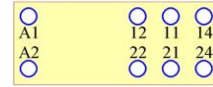
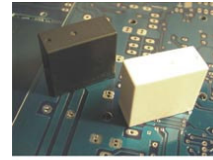


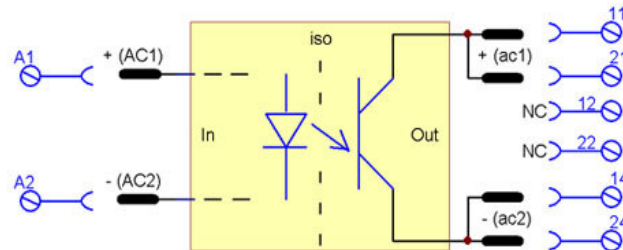
Available from:
GBU ElectroTech/Woertz
 151 Discovery Drive Unit 111
 Colmar, PA 18915
 Tel: (215) 997-8855; Fax: (215) 822-7632
www.gbuelectrotech.com

Features

- A range of optocouplers in **Electrobrick** plug-and-play enclosures (same shape as the common industrial relays).
- Compact, flexible and easily exchanged. Delivered with a DIN rail socket, with screw terminals
- Standard socket with plastic clip, Available without socket, for direct PCB mounting or for customer's choice of socket.
- Industrial standard in- and output voltages.
- Special voltages on request, without extra cost (min. 25 pieces)
- With high isolation voltage and distance
- High current ver. with over voltage absorption
- With input LED
- Very high power version available (i.e. 10Amps. - Please call)
- Very fast version available
- On request: other specifications, built-in filters, time delay etc.



Modules without sockets (bottom view)
**



Block diagram **

Technical data (Ta = 25°C)

Output

Switching voltage
 Max. continuous current
 Max. transient current DC version
 Max. transient current AC/DC version
 Voltage drop (at 0.5x I_{max}) DC version
 Voltage drop (at 0.5x I_{max}) AC/DC ver.

AC/DC in, low power

100mA DC output
 0 (DC ver. 0.7)-60VDC
 100mA
 0.15A/ 0.1ms
 0.5A/ 10ms
 ~0.7V
 ~0.1V

AC/DC in, high power

5A DC output
 0-55VDC
 5A
 25A/ 0.1ms
 25A/ 0.1ms
 <0.2V
 <0.2V

Input

Control voltage tolerance
 Max. input current at U_c 3-48V versions
 Max. input current at U_c 115-230V ver.
 Sure on level
 Sure off level
 Max. switching freq. (res. load) DC ver.
 Max. switching freq. (res. load) AC/DC ver.
 AC input frequency

U_c±20%
 15mA
 3mA
 80% of U_c
 10% of U_c
 ~600Hz ***
 ~5Hz ***
 50-400Hz

U_c±20% (115,230V:15%)
 15mA
 3mA
 80% of U_c
 10% of U_c
 ~10Hz (110V ver. 5Hz) ***
 ~5Hz ***
 50-400Hz

General data

Input / output dielectric strength
 Operating temperature range
 Max. wire cross section
 Socket max. size L x W x H
 Module max. size LxWxH (w/o pins)
 Module pins
 PCB hole size

2.5kV, 3mm
 -20°C to +50°C ***
 6mm² (AWG10)
 16 x 82.5 x 72mm
 29x12.8x25.5mm
 gold plated, length ~5mm, 0-3A ver.: 0.64x0.64mm, 5-10A ver.: power pins=0.6x1.5mm
 1.1mm, 5-10A versions: 1.6mm for the 4 power pins

Control voltage U_c

Order numbers

5VDC	O1-5VDL	O3-5VDL
12VDC	O1-12VDL	O3-12VDL
24VDC	O1-24VDL	O3-24VDL
48VDC	O1-48VDL	O3-48VDL
110VDC	O1-110VDL	O3-110VDL
3VAC/DC	O1-3VADL	O3-3VADL
24VAC/DC	O1-24VADL	O3-24VADL
115VAC/DC	O1-115VADL	O3-115VADL
230VAC/DC	O1-230VADL	O3-230VADL

O1M-..= only module without socket

***higher values possible with derating of other entities

Sockets can be sold separately: P/N: 45740S