

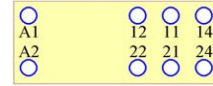
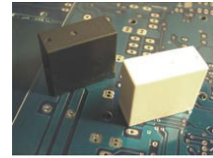
**AC/DC out Optocouplers**

**Features**

- A range of AC/DC-switching 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 quality 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.
- Very high power version available
- On request: other specifications, built-in filters, time delay etc.



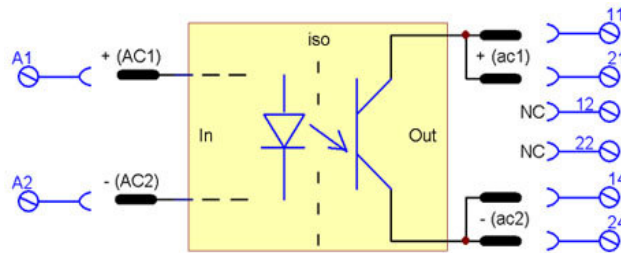
standard version



Modules without sockets (bottom view)

**Available accessories**

- All sockets: jumpers
- Standard sockets: labels and LED modules



Block diagram \*\*

Technical data (Ta = 25°C)	low power	mid. power	high power	extreme power
Output	100mA AC/DC output	1A AC/DC output	5A AC/DC output	10A AC/DC output
Max. switching voltage	to be defined	55VDC/38VAC	to be defined	to be defined
Max. continuous current	-	1A	-	-
Max. transient current	-	16A	-	-
Voltage drop (at 0.5x I <sub>max</sub> )	-	0.2V	-	-
Input				
Control voltage tolerance	-	U <sub>c</sub> ±20%	-	-
Max. input current at U <sub>c</sub> 3-48V versions	-	15mA	-	-
Max. input current at U <sub>c</sub> 115-230V ver.	-	3mA	-	-
Sure on level	-	80% of U <sub>c</sub>	-	-
Sure off level	-	10% of U <sub>c</sub>	-	-
Max. sw. freq. (res. load) DC in ver.	-	20Hz	-	-
Max. sw. freq. (res. load) AC/DC in ver.	-	to be defined	-	-
AC input frequency	-	50-400Hz	-	-
General data				
Input / output dielectric strength		2.5kV, 3mm		
Operating temperature range		-20 °C to +50 °C		
Max. wire cross section		6mm <sup>2</sup> (AWG10)		
Socket max. size L x W x H		Standard ver.: 16 x 82.5 x 72mm, Low-cost ver.: 16 x 68.5 x 50.5mm		
Module max. size LxWxH (w/o pins)		29x12.8x25.5mm		
Module pins		gold plated, length ~5mm, 0-3A ver.: 0.64x0.64mm, 5-10A ver.: power pins=0.6x1.5mm		
PCB hole size		all versions: 1.1mm, 5-10A versions: 1.6mm for the 4 power pins		

Control voltage U <sub>c</sub>				
Order numbers*:	3VDC	to be defined	EB-O21-3VD	to be defined
	5VDC		EB-O21-5VD	
	12VDC		EB-O21-12VDC	
	24VDC		EB-O21-24VDC	
	48VDC		EB-O21-48VDC	
	110VDC		EB-O21-110VDC	
	24VAC/DC		EB-O21-24VAD	
	115VAC/DC		EB-O21-115VAD	
	230VAC/DC		EB-O21-230VAD	

\* **Sockets: O21..=** on standard DIN rail socket, **O21M..=** only module without socket