


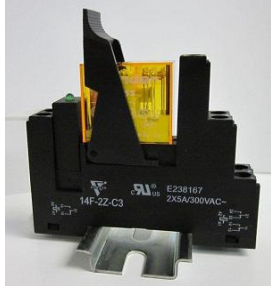
One Pole Relay Bases



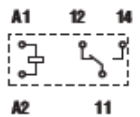
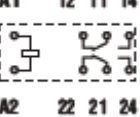


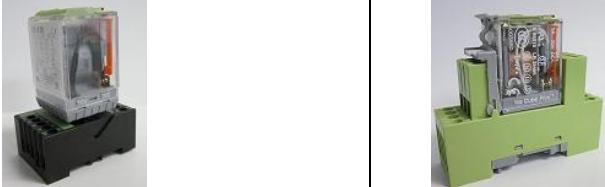
<p>Low cost 1PDT relay bases</p> <ul style="list-style-type: none"> • 6mm wide • Screw and Cage clamp bases available 		
Order No.	Screw Clamp	Cage Clamp
24VDC (6-24VDC)	41F-1Z-C2-24D1	41F-1Z-C4-24D1
120-230VAC	41F-1Z-C2-230VAC	41F-1Z-C4-230VAC
Technical Data		
Rated Values	6 Amps-250V	
Protection category	IP20	
Screw Torque	0.5Nm	
Wire strip length	10mm	
<p>Relays: Ultra Slim 1 pole - 250V/6A relays</p> <p>1 pole changeover contacts 10⁷ cycles</p> <p>5mm wide</p>		
5 VDC	45739R/7-F	
12VDC	45739R/1-F	
24VDC relay	45739R/2-F	
115V & 230VAC	45739R/8-F (60VDC relay)	
Accessories		
Push in jumper	CINT-BR20-W	
Assembled Part No.		
24VDC (6-24VDC)	41F-1Z-C2-24D1-SR	
120-230VAC	41F-1Z-C2-230VAC-SR	

1, 2, 3, and 4 pole Relays



<p>Relay bases for 1 and 2 pole relays Contact terminals all located on one side with the coil terminals on the opposite side</p>		
<p>Order No.</p>	<p>Relays ordered separately (see below)</p>	
<p>Base without LED</p>	<p>14F-2Z-C4</p>	
<p>Base with 24V LED</p>	<p>14F-2Z-C4-D1 (24V LED)</p>	
<p>Base with 120/230VLED</p>	<p>14F-2Z-C4-A1 (120/230V LED)</p>	
<p>Technical Data</p>		
<p>Rated Voltage/current</p>	<p>300V/10Amps</p>	
<p>Contact Configuration</p>	<p>For 1 / 2 change over contacts</p>	
<p>Wire size</p>	<p>22-10AWG</p>	
<p>Size LxWxH mm</p>	<p>75.2x15.7x61.2</p>	

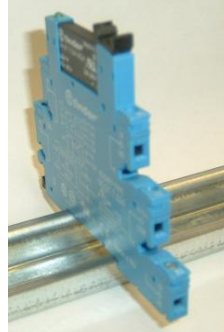
		
		
<p>Relays</p>	<p>1 PDT</p>	<p>2 PDT</p>
<p>24VDC</p>	<p>45740R1/2</p>	<p>45740R2/2</p>
<p>115VAC</p>	<p>45740R1/5</p>	<p>45740R2/5</p>
<p>Current/Voltage</p>	<p>16A/250VAC</p>	<p>8A/250VAC</p>
<p>other voltages available please call</p>		

<p>2, 3 and 4 pole relays</p>			
	<p>2 pole; 10 Amp</p>	<p>3 pole; 10 Amp</p>	<p>4 pole; 5 Amp</p>
<p>24VDC</p>	<p>C2-A20/DC24V</p>	<p>C3-A20/DC24V</p>	<p>C9-A41DX/DC24V</p>
<p>115VAC</p>	<p>C2-A20X/AC115V</p>	<p>C3-A20X/AC115V</p>	<p>C9-A41X/AC115V</p>
<p>Please call for other voltages and features (LEDs, higher current, etc)</p>			

Solid State Relays

Ultra Slim (5mm wide) Solid State Relays that insert into 35mm rail mount sockets. Single Circuit output switch options:

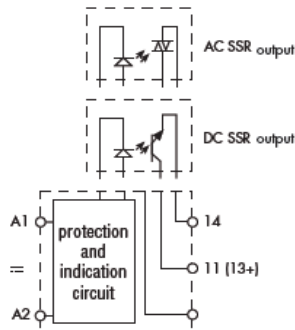
- 2A @ 24VDC
- 2A @ 240VAC



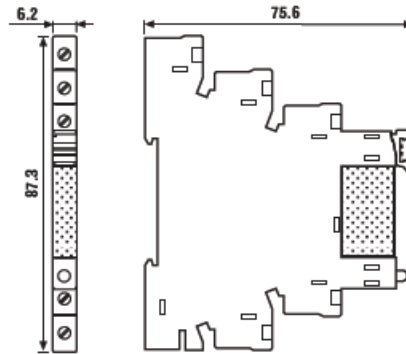
Wiring



Galvanic isolated Optocoupler



Isolation up to 2.5kV



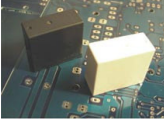
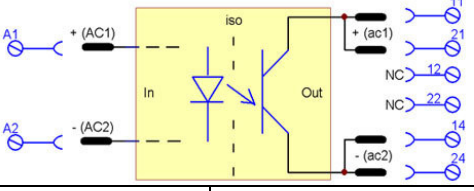
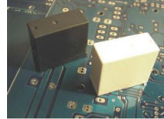
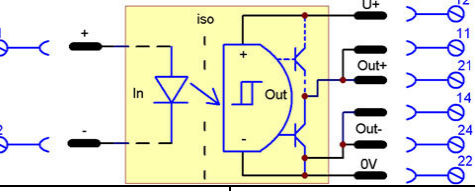


For DC loads

For AC loads

Input	ESG Order No. (SSR + Base)		
5 VDC	E-OPTO-05D-24VD-F		
24VDC	E-OPTO-24D-24VD-F	E-OPTO-24D-240VA-F	
120VAC		E-OPTO-120VA-240VA-F	
Solid State relay – technical data			
Output Circuit			
Contact Configuration	1 NO (SPST-NO)	1 NO (SPST-NO)	
Maximum Current/Voltage	2A / 24VDC	2A / 240VAC	
Switching voltage rang	(1.5...24) VDC	(12...240) VAC	
Min. switching current	1 mA	22mA	
Operate/release time ms	0.1/0.6 (1.43Khz)	12/12	
Input Circuit			
Nominal Voltage	24VDC	24VDC	(110...125) AC/DC
Operating range	16...30VDC	16...30VDC	88-138V
Control Current	7mA	7mA	5.5mA
Release Voltage	10VDC	10VDC	22V
Ambient temperature range	-20°C ...+60°C		
Relay Base Specs			
Rated Values	6A-250V		
Protection category	IP20		
Screw Torque	0.5Nm		
Wire Strip length	10mm		
Max wire size	1 x 14AWG; 2 x 16AWG		

Definite Purpose Optocouplers

Optocouplers			Super fast Optocouplers		
Electrobrick Optocouplers offers high isolation	 <p>LxWxH mm (16x82.5x72)</p>		Industrial Optocouplers with a max switch frequency of 2.0MHz Well suited for switching inductive loads	 <p>LxWxH mm (16x82.5x72)</p>	
 <p>A1 12 11 14 A2 22 21 24</p>			 <p>A1 12 11 14 A2 22 21 24</p>		
Technical data	AC/DC in, low power	AC/DC in High power	Technical data	Low power 100mA DC output	High Power 5A DC output
Output	100mA DC output	5A DC output	Output Type	Push-Pull, non inv.	Open collector, inv.
Switching voltage	0-60VDC	0-55VDC	Max. switch voltage	30VDC	30VDC
Max. continuous current	100mA	5A	Max Switch current (res. load)	100mA	5A
Max. transient current DC version	0.15A/0.1ms	25A/0.1ms	Max. transient current	0.5A/0.1ms, 2A/0.01ms	40A/0.1ms
Max. transient current AC/DC version	0.5A/10ms	25A/0.1ms	Max. switch frequency	2.0 MHz	200kHz
Input			Input		
Control voltage tolerance	Uc+-20%	Uc+-20% (115,230V:15%)	Polarity protection	Yes	Yes
Max. input current at Uc 3-48V versions	15mA	15mA	Control Voltage tolerance	Uc+-20%	Uc+-20%
Max. input current at Uc115-230V versions	3mA	3mA	Max control input current (at Uc)	10mA	10mA
On /off level	80% / 10% of Uc	80% / 10% of Uc	On /off level	80% / 10% of Uc	80% / 10% of Uc
Max. switching frequency DC (res.load)	~ 600Hz	~10Hz(110V ver. 5hZ)	Supply (U+/0V) / max. current	15-30VDC/15mA	15-30VDC/15mA
Wire size	Up to 10AWG		Wire size	Up to 10AWG	
Control Voltage Uc	Order Numbers		Control Voltage Uc	Order Numbers	
5VDC	EB-O1-5VDL	EB-O3-5VDL	5VDC (TTL)	EB-O6-5VD	EB-O8-5VD
12VDC	EB-O1-12VDL	EB-O3-12VDL	12VDC	EB-O6-12VD	EB-O8-12VD
24VDC	EB-O1-24VDL	EB-O3-24VDL	24VDC	EB-O6-24VD	EB-O8-24VD
3VAC/DC	EB-O1-3VADL	EB-O3-3VADL			
24VAC/DC	EB-O1-24VADL	EB-O3-24VADL			
115VAC/DC	EB-O1-115VADL	EB-O3-115VADL			
Other voltages available – please call					