Subminiature Electromagnetic and Solid State Modules



MOUNTING OPTIONS					COIL			TYPE OF RELAY	NUMBER AND TYPE OF CONTACTS									RATED CURRENT [A]					
Direct PCB mounting	With plug-in socket PCB mounting	Panel mounting	35 mm rail mount acc. To PN-EN 60715	Others	AC	DC	AC/DC		SPDT	SPST(1NO)	SPST(1NC)	DPDT	DPST(2NO)	DPST(2NC)	3PDT	3PST(3NO)	4PDT	5	10	15	20	25	30
			■			■	■	PI6-1P	■									6					
			■			■	■	PI6-1T		■								1					
			■			■	■	PI6-1OC		■								1					
			■			■	■	PIR6W-1PS-…	■	■								max 6 ***					
			■			■	■	PIR6WB-1PS-…**	■	■								max 6 ***					

Industrial Electromagnetic Relays



■	■	■	■	■	■	■		R2				■						12					
		■	■		■	■		R3							■			10					
■	■	■	■	■	■	■		R4									■	6					
		■	■	■	■	■		RY2				■						12					
■	■	■	■		■	■		R2M				■						5					
■		■	■	■	■	■		RUC				■	■		■	■		16					
■		■	■	■	■	■		R15 - DPDT				■						10					
■		■	■	■	■	■		R15 - 3PDT							■			10					
		■	■	■	■	■		R15 - 4PDT									■	10					

Miniature Electromagnetic Relays



■						■		RM40	■	■								5/8*					
■						■		RM50	■	■								12					
■	■	■	■		■	■		RM84				■	■					9					
■	■	■	■		■	■		RM85	■	■								16					
■	■	■	■		■	■		RM87	■	■								12					

Slimline Interface Relays



■			■			■		RM699B	■									6					
■	■					■		RSR30-…-D1-24-010-1		■								1					
■	■				■			RSR30-…-A1-24-020-1		■								2					
■	■					■		RSR30-…-D1-04-025-1		■								2.5					
■	■					■		RSR30-…-D1-02-040-1		■								4					

Relays for Photovoltaic Systems



■						■		RS35, RS50					■					RSR35: 35A, RSR50: 50A					

Relay Socket Combinations

		■	■		■	■		PI84 with socket GZT80				■						8					
		■	■		■	■		PI85 with socket GZT80	■									16					
		■	■		■	■		PI84 with socket GZM80				■						8					
		■	■		■	■		PI85 with socket GZM80	■									16					
		■	■		■	■		PIR2 with socket GZM2				■						12					
		■	■		■	■		PIR3 with socket GZM3							■			10					
		■	■		■	■		PIR4 with socket GZM4									■	6					
		■	■		■	■		PIR2M with socket GZ2				■						5					

* SPDT 5 A; SPST (1NO) 8A. **spring clamp socket. *** for more information see data sheet.

■ Available ■ AC ■ DC ■ AC/DC ■ Range

Subminiature Electromagnetic and Solid State Modules



- Standard SPDT contact configuration
- Space-saving 6.2 mm width
- Only 85 mm in height from DIN rail
- DC Coil voltages from 5VDC to 110V DC
- AC coil voltages from 6VAC to 240V AC 50/60 Hz
- Pre-assembled relay and DIN mount socket
- Screw clamp or Spring clamp terminals
- Universal AC/DC socket with built-in surge suppression and green LED
- Rated load current
- 6A / 250V AC or 0.05A / 30V AC gold plated) rating
- 6A / 24V DC or 0.05A / 36V DC gold plated) rating
- 4A max for Solid state relays
- Silver Tin Oxide (AgSnO2) cadmium free contact material
- Gold plated contact (AgSnO2/Au 3µm) available
- UL recognized
- ROHS2 and REACH compliance

Industrial Electromagnetic Relays



- DPDT, 3PDT and 4PDT contact configuration
- DC Coil voltages from 5VDC to 220V DC
- AC coil voltages from 6VAC to 240V AC 50/60 Hz
- Din Rail Plug in Socket are standard
- Rated load current: 5A/250V AC to 16A/250V AC rating
  5A/24V DC to 16A/24VDC DC1 rating
- Test button with (K) or without block function (W)
- Built in LED light indicator (L)
- Surge suppression element with diode (D) or varistor (V)
- Approved for railroad applications (DE)
- Silver Nickel (AgNi) cadmium free contact material
- UL and CSA recognized relays
- ROHS2 and REACH compliance

Miniature Electromagnetic Relays



- Standard SPDT, DPDT contact configuration
- DC Coil voltages from 3VDC to 110V DC
- AC coil voltages from 12VAC to 240V AC 50/60 Hz
- PCB mounting with socket or direct PCB solder
- Din Rail Plug in Socket are standard
- Rated load current: 8A/250V AC (DPDT) or 16A/250V AC (SPDT) rating; 8A/24V DC (DPDT) or 16A/24VDC (SPDT) DC1 rating
- Silver Nickel (AgNi) cadmium free contact material
- UL and CSA recognized relays
- ROHS2 and REACH compliance

Slimline Interface Relays



- Standard SPDT contact configuration
- Standard 5 mm width
- DC Coil voltages from 5VDC to 60V DC
- Vertical or horizontal configuration
- Sealed for soldering and cleaning
- Can be used with Din rail socket or PCB mountable
- Rated load current
- 6A / 250V AC or 0.05A / 30V AC gold plated) rating
- 6A / 24V DC or 0.05A / 36V DC gold plated) rating
- 4A max for Solid state relays
- Silver Tin Oxide (AgSnO2) cadmium free contact material
- Gold plated contact (AgSnO2/Au 3µm) available
- UL recognized
- ROHS2 and REACH compliance

Relays for Photovoltaic Systems



- Standard DPST (2 NO) contact configuration
- DC Coil voltages from 5VDC to 110V DC
- Rated load current
- 35A / 250V AC or 48A / 250V AC
- 35A / 24V DC or 48A / 24V DC
- Contact gap >1.75 mm ; Holding power 1W
- Silver Tin Oxide (AgSnO2) cadmium free contact material
- Compact size, PCB mounting
- UL recognized
- ROHS2 and REACH compliance

COMPETITORS

Idec	Finder
Honeywell	Eaton
Omron	Schneider Electric
Phoenix Contact	Siemens
Panasonic	Square D
TE Connectivity	Rockwell
Tyco	Eaton
Weidmuller	Fuji
American Zettler	

Advantages

- Electromechanical relay is a good separation of AC and DC circuit.
- Can be used as an interface between electronic control circuits and power circuits
- Low initial cost
- Very reliable component
- High resistance to voltage transients
- No off-stage leakage current through open contacts

Applications

- The control of various AC and DC equipment's
- Solenoid activation and control purposes
- Automation and control
- Motor control
- PCB applications or with Din Rail mountable sockets