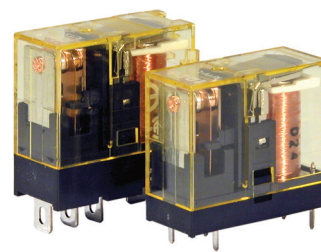


## RJ Series Slim Power Relays

### Key features:


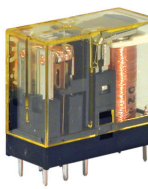
- Compact and rugged power relays. Large switching capacity
- Compact housing only 12.7-mm wide.  
Large contact rating  
RJ1 (1-pole): 16A (UL general use rating @250V AC)  
RJ2 (2-pole): 8A
- Non-polarized LED indicator available on blade type. IDEC's unique light guide structure enables high visibility of coil status from any direction.
- The smallest width for 2-pole/bifurcated contact relay
- Excellent electrical and mechanical life.  
Electrical life: 200,000 operations (AC load)  
Mechanical life: 30 million operations (AC coil)
- RoHS directive compliant (EU directive 2002/95/EC). Contains no lead, cadmium, mercury, hexavalent chromium, PBB or PBDE.
- Diode model:  
Diode reverse withstand voltage: 1000V
- UL recognized, CSA certified, EN compliant.



EN61810-1  
VDE (REG.-Nr B312)



### Part Number Selection

Style	Terminal	Contact	Model	Part Number	Coil Voltage Code (Standard Stock in bold)	
	Blade	SPDT	Standard	RJ1S-C-□	<b>A24</b> , A110, <b>A120</b> , A220, <b>A240</b> , D12, <b>D24</b> , D48, D100	
			with LED	RJ1S-CL-□	D12, <b>D24</b> , D48, D100	
			with Surge Suppresion Diode	RJ1S-CD-□	D12, <b>D24</b> , D48, D100	
			with LED & Surge Suppresion Diode	RJ1S-CLD-□	D12, <b>D24</b> , D48, D100	
		DPDT	Standard	RJ2S-C-□	<b>A24</b> , A110, <b>A120</b> , A220, <b>A240</b> , D12, <b>D24</b> , D48, D100	
			with LED	RJ2S-CL-□	D12, <b>D24</b> , D48, D100	
			with Surge Suppresion Diode	RJ2S-CD-□	D12, <b>D24</b> , D48, D100	
			with LED & Surge Suppresion Diode	RJ2S-CLD-□	D12, <b>D24</b> , D48, D100	
			Standard Bifurcated contacts (without LED indicator)	RJ22S-C-□	A12, <b>A24</b> , <b>A120</b> , <b>A240</b> , D5, D12, <b>D24</b> , D100	
			Bifurated contacts (with LED indicator)	RJ22S-CL-□	D5, D12, <b>D24</b> , D100	
			Bifurcated contacts diode (without LED indicator)	RJ22S-CD-□	D5, D12, <b>D24</b> , D48, D100	
			Bifurcated contacts diode (with LED indicator)	RJ22S-CLD-□	D5, D12, <b>D24</b> , D48, D100	
	PCB	SPDT	Standard	RJ1V-C-□	<b>A24</b> , A110, <b>A120</b> , A220, <b>A240</b> , D5, D6, D12, <b>D24</b> , D48, D100	
			High Capacity	RJ1V-CH-□		
		SPST-NO	Standard	RJ1V-A-□		
			High Capacity	RJ1V-AH-□		
		DPDT	Standard	RJ2V-C-□		
		DPST-NO	Standard	RJ2V-A-□		
		DPDT	Bifurcated contacts	RJ22V-C-□		A12, <b>A24</b> , <b>A120</b> , <b>A240</b> , D5, D12, <b>D24</b> , D48, D100
			Bifurcated contacts	RJ22V-A-□		D5, D12, <b>D24</b> , D48, D100

#### Ordering Information

When ordering, specify the Part No. and coil voltage code:

(example) **RJ1S-C-** **A120**  
 Part No.                      Coil Voltage Code

Switches & Pilot Lights

Signaling Lights

Relays & Sockets

Timers

Contactors

Terminal Blocks

Circuit Breakers


Switches & Pilot Lights  
Signalizing Lights  
Relays & Sockets  
Timers  
Contactors  
Terminal Blocks  
Circuit Breakers

**Coil Voltage Table**


Coil Voltage Code	A12	A24	A110	A120	A220	A240	D5	D6	D12	D24	D48	D100
Coil Rating	12V AC	24V AC	110V AC	120V AC	220V AC	240V AC	5V DC	6V DC	12V DC	24V DC	48V DC	100-110V DC


**Sockets**

	Relays	Standard DIN Rail Mount	Finger-safe DIN Rail Mount	PCB Mount
Blade Models	RJ1S (Std)	SJ1S-05BW	SJ1S-07LW	SJ1S-61
	RJ2S (Std)/RJ22S	SJ2S-05BW	SJ2S-07LW	SJ2S-61
PCB Models	RJ1V (Std)	—	SQ1V-07B*	SQ1V-63*
	RJ1V (HC) RJ2V/RJ22V	—	SQ2V-07B*	SQ2V-63*



Shown with optional marking plate.





**Replacement Hold Down Springs**

Part Number	Used With Socket
SJ9Z-CM	SJ1S-05BW, SJ1S-07LW, SJ2S-05BW, SJ2S-07LW
SQ9Z-C	SQ1V-07B, SQ2V-07B
SQ9Z-C63	SQ1V-63, SQ2V-63




**Jumpers for SJ Sockets**

Poles	Part Number	Quantity
2	SJ9Z-JF2	Must purchase in quantities of 10.
5	SJ9Z-JF5	
8	SJ9Z-JF8	
10	SJ9Z-JF10	



\*Hold-down clip or spring must be removed to use with RJ PCB relays.

**Accessories**

Item	Appearance	Use with	Part No.	Remarks
Aluminum DIN Rail (1 meter length)		All DIN rail sockets	BNDN1000	The BNDN1000 is designed to accommodate DIN mount sockets. Made of durable extruded aluminum, the BNDN1000 measures 0.413 (10.5mm) in height and 1.37 (35mm) in width (DIN standard). Standard length is 39" (1,000mm).
DIN Rail End Stop		DIN rail	BNL5	9.1 mm wide.
Marking Plate		Finger safe sockets (ONLY)	SJ9Z-PWPN10	10 pieces per pack