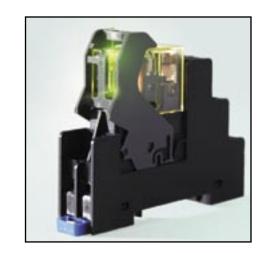


- Compact size: 12.7 x 27 x 28.8 mm
- Contact rating: 8A (DPDT), 12A (SPDT)
- Operational life: 200K cycles at full resistive load; 50 million cycles, no load
- Optional, green, non-polarized LED
- · RoHS compliant

RJ relays, the newest addition to our relay family, were designed with the same attention-to-detail IDEC is known for. One feature that exemplifies this is an optional LED. It uses a unique light guide to give you a brighter and more noticeable status indicator from multiple directions.



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Snecifications

Features

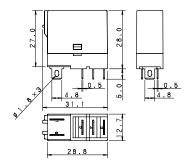
Specifications				RJ1S			RJ2S				
	No. of poles				1				2		
	Contact Configuration				SPDT				DPDT		
	Contact Rating				12A 8A						
General information	Contact Mater	Contact Material				Silver-Nickel alloy					
	Contact Resistance				50 milliohms max						
	Operating Time				15 ms max						
	Release Time				10 ms max						
	Dielectric Str	Strength Between contact and coil Between contacts				5,000VAC, 1 minute 1,000VAC, 1 minute					
	Vibration Resistance Damage limits Operating extremes				10-55Hz, amplitude 0.75mm 10-55Hz, amplitude 0.75mm						
	Shock Resistance Damage limits Operating extremes				100m/s ² min (10G) 1,000m/s ² min (100G)						
	Mechanical Li	nanical Life AC DC			30,000,000 operations 50,000,000 operations						
	Electrical Life Full Rated Load					200,000 operations 100,000 operations					
	Operating Temperature				-40 to 70° C						
	Operating Humidity				5 to 85% RH						
	Dimensions (H x W x D mm)				12.7 x 27 x 28.8						
	Weight (Approx.)				19g						
	Contact Load Ratings		Resistive L	oad	NO Contact	12A @ 250VAC/30VDC		8A @ 250VAC/30VDC			
			(Max)		NC Contact	12A @ 250VAC; 6A @ 30VDC			8A @ 250VAC; 4A @ 30VDC		
sɓi			Inductive L	.oad NO Contact		7.5A @ 250VAC; 6A @ 30VDC			4A @ 250VAC; 4A @ 30VDC		
latin			(Max)		NC Contact	7.5A @ 250VAC; 3A @ 30VDC		4A @250VAC; 2A @ 30VDC			
Contact Ratings	Min Applicable Load (refer					100mA @ 5VDC			10mA @ 5VDC		
onte				oad NO Contact NC Contact		AC: 3,000VA; DC: 360W			AC: 2,000VA; DC: 240W		
ŭ	Allowed		(Max)			AC: 3,000VA; DC: 180W			AC: 2,000VA; DC: 120W		
			Inductive Loa		NO Contact	AC: 1,875VA; DC: 180W			AC: 1,000VA; DC: 120W		
			(IVIax)		NC Contact	AC: 1,875VA; DC: 90W AC: 1,000VA; DC: 60W			2: 60W		
Coil Ratings	Coil Sensitivity	Nomin	ninal Voltage		ninal Current	Coil Resistance Power Consumption		Pull-	in Voltage	Drop-Out Voltage	Max Allowable Voltage
	DC Coil	12V		48mA		271Ω					170%
		24V		25.7mA		1,080Ω	0.53W 70		70% Max 10% Min	17070	
		100-110V		5.2-5.7mA		18,870Ω					160%
		24V		41.1mA		243Ω	0.9VA 80		80% Max 30% Min		
	AC Coil (60Hz)	120V		8.1mA		5,270Ω					140%
			240V		4.1mA	21,530Ω					
										Specifications co	on't on following page

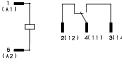
		SJ1S	SJ2S		
Sockets	Rated Insulation Voltage	250V AC/DC			
	Applicable Wire	Max up to 2 - #14 AWG			
	Applicable Crimping Terminal	2mm ² x 2			
	Screw Size	M3 Slotted-Phillips screw			
	Weight	30g	34g		

Ordering Information

R J S - C -							
Contact Configuration	Options	Coil Voltage D12 - 12VDC; D24 - 24VDC;					
Connyuration							
1 - SPDT 2 - DPDT	Blank - Standard L - LED	D100 - 100-110VDC; A24 - 24VBC, A120 - 120VAC; A240 - 240VAC					

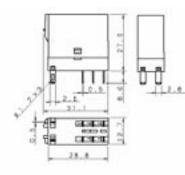
RJ1S Dimensions

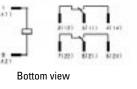




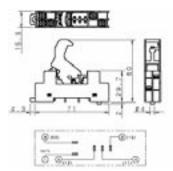
Bottom view

RJ2S Dimensions

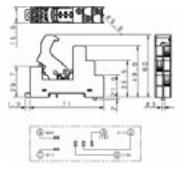




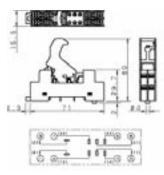
SJ1S-05B Dimensions



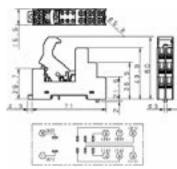
SJ1S-07L Dimensions



SJ2S-05B Dimensions



SJ2S-07L Dimensions





For more information on the these and other IDEC relays, visit: www.idec.com/relay

For more information call IDEC at: 800-262-IDEC (4332) 1175 Elko Drive • Sunnyvale, CA 94089 Fax: 408-745-5258 • www.idec.com

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Accessory part numbers	Description
SJ1S-05B	SPDT Standard Screw Terminal
SJ1S-07L	SPDT Finger-safe Screw Terminal
SJ2S-05B	DPDT Standard Screw Terminal
SJ2S-07L	DPDT Finger-safe Screw Terminal