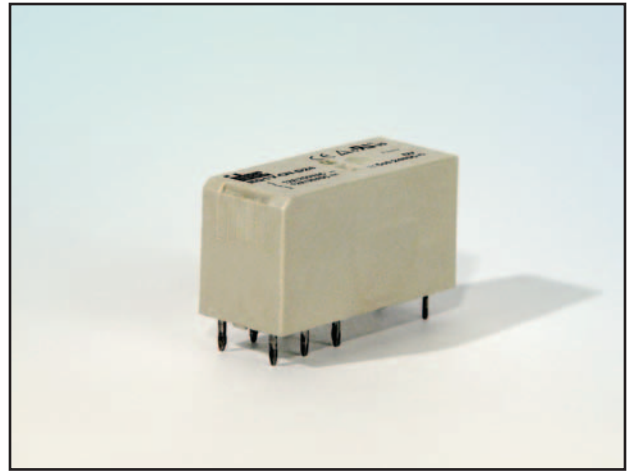




RQ Series Relays

Features

- Low profile:
29 x 12.7 x 15 mm
- Contact rating:
8A and 12A
- Power relay model with 16A contact rating
- Operational life:
100K cycles at full resistive load
10 million cycles, no load
- LED/Diode Plug-in modules available with DIN rail socket



IDEC's RQ relays are low-profile, PCB relays that provide quality within a compact package. Size equals value. RQ relays are small, yet maintain high contact ratings and long operational life. For larger power needs, a 16A model is also available.



Specifications

			RQ1	RQ2	RQ1 HC
General information	No. of poles		1	2	1
	Contact Configuration		SPDT	DPDT	SPDT
	Contact Rating		12A	8A	16A
	Contact Material		Silver-Nickel alloy		
	Contact Resistance		100 milliohms max		
	Operating Time		12 ms max		
	Release Time		8 ms max		
	Dielectric Strength	Between contact and coil Between contacts	5,000VAC, 1 minute 1,000VAC, 1 minute		
	Vibration Resistance	Damage limits Operating extremes	10-55 Hz, amplitude 1.5mm 10-55 Hz, amplitude 1.5mm		
	Shock Resistance	Damage limits Operating extremes	100m/s ² min (10G) 1,000m/s ² min (100G)		
	Mechanical Life		10,000,000 operations		
	Electrical Life @ Full Rated Load		100,000 operations		
	Operating Temperature		-40 to 85° C		
	Operating Humidity		45 to 85% RH		
	Dimensions (H x W x D mm)		29 x 12.7 x 15		
	Weight (Approx.)		15g		

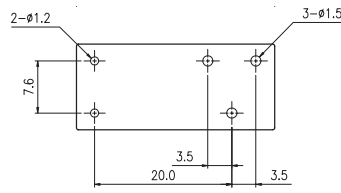
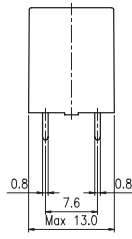
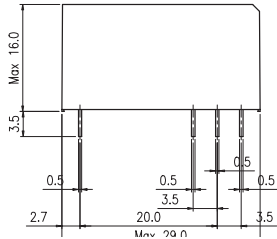
Coil Ratings	Coil Sensitivity	Nominal Voltage	Nominal Current		Coil Resistance		Power Consumption		Pull-in Voltage	Drop-Out Voltage	Max Allowable Voltage
			50HZ	60HZ	50HZ	60HZ	50HZ	60HZ			
	DC Coil	12V	33.3mA		360Ω		0.40W		80% Max	5% Min	130%
		24V	16.7mA		1,440Ω						
		110V	4.1mA		26,530Ω						
	AC Coil	24V	29.75mA	25.35mA	350Ω		0.71W	0.61W		30% Min	
		115V	7.65mA	6.3mA	8,100Ω		0.88W	0.73W			
230V		3.42mA	2.72mA	32,500Ω		0.79W	0.63W				

Specifications con't on following page

Ordering Information

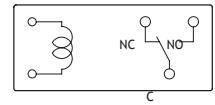
RQ	-		V - C		-	
Contact Configuration			Pin Spacing			Coil Voltage
1 - SPDT 2 - DPDT			M - 3.5mm, SPDT 12A H - 5mm, SPDT 16A* N - 5mm, DPDT 8A			D12 - DC12V; D24 - DC24V A24 - AC24V; A115 - AC120V; A230 - AC240V
			*mounts in DPDT socket			

RQ1 Dimensions

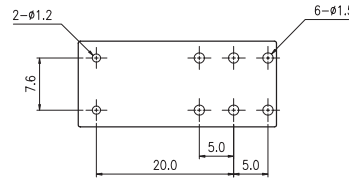
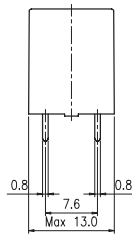
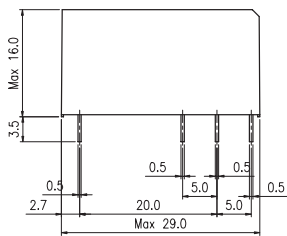


Bottom views

RQ1

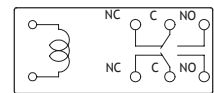


RQ2/RQ1 HC Dimensions

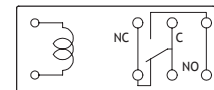


Bottom views

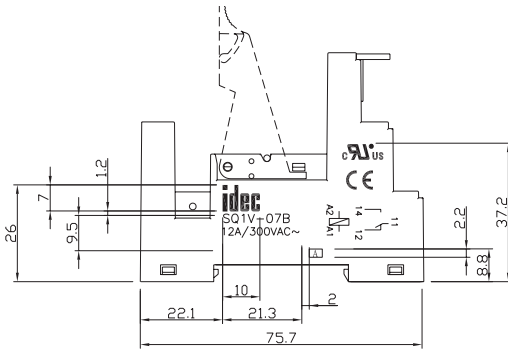
RQ2



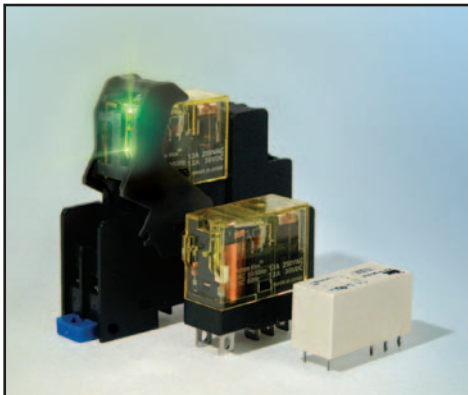
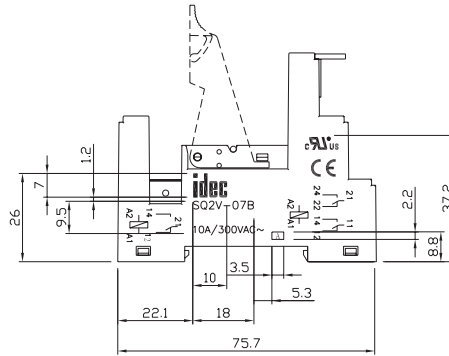
RQ1 HC



SQ1V Dimensions



SQ2V Dimensions



For more information on these and other IDEC relays, visit:

www.idec.com/relay

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

©2005 IDEC Corporation. All Rights Reserved.
Part #RQ9Y-DS100-0

Accessory part numbers	Description
SQ1V-07B	SPDT Finger-safe Socket
SQ2V-07B	DPDT Finger-safe Socket
SQ9Z-C	Replacement Retaining Clip
SQ9Z-LD	Socket Plug-in LED & Diode Module (6-24V DC)
SQ9Z-LR	Socket Plug-in LED & RC Module (110-230V AC)
SQ9Z-P	Replacement Marking Plate