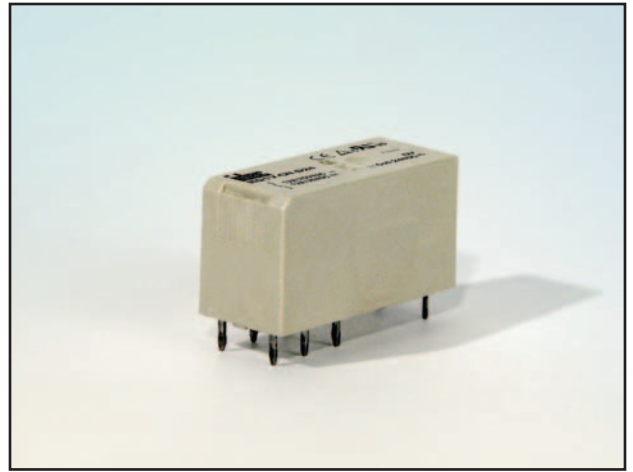




## RQ Series Relays

- 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.



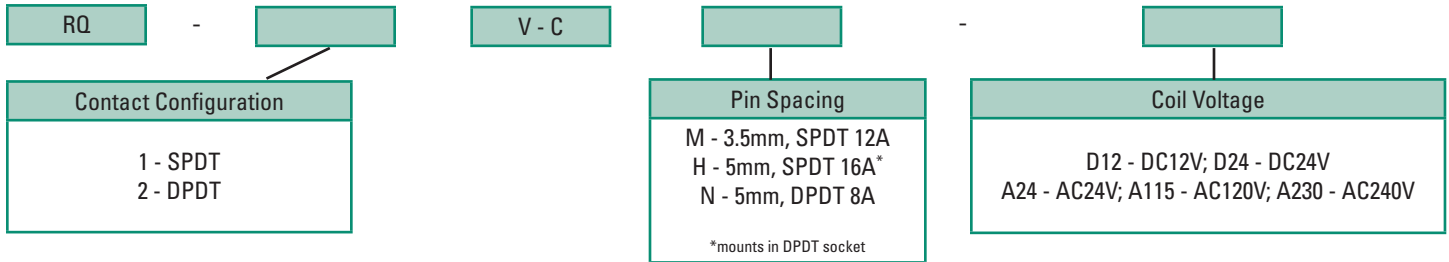
### Specifications

		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 <sup>2</sup> min (10G) 1,000m/s <sup>2</sup> 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			

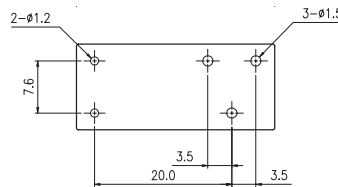
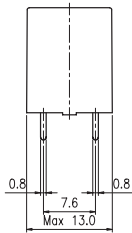
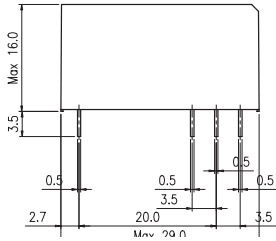
Coil Ratings	Coil Sensitivity	Nominal Voltage	Nominal Current		Coil Resistance		Power Consumption		Pull-in Voltage	Drop-Out Voltage	Max Allowable Voltage
			50HZ	60HZ	50HZ	60HZ	50HZ	60HZ			
	DC Coil	12V	33.3mA	360Ω		0.40W		80% Max	5% Min	130%	
24V		16.7mA	1,440Ω								
110V		4.1mA	26,530Ω								
AC Coil	24V	29.75mA	25.35mA	350Ω		0.71W	0.61W	30% Min	130%		
	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

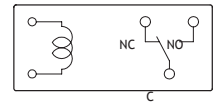


## RQ1 Dimensions

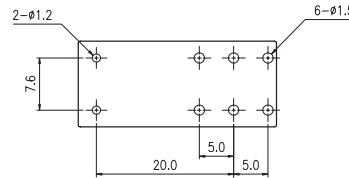
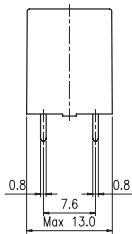
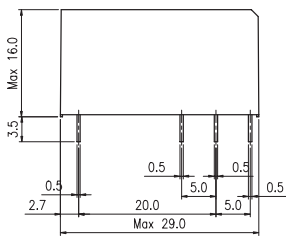


Bottom views

## RQ1

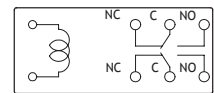


## RQ2/RQ1 HC Dimensions

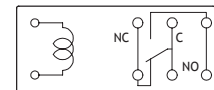


Bottom views

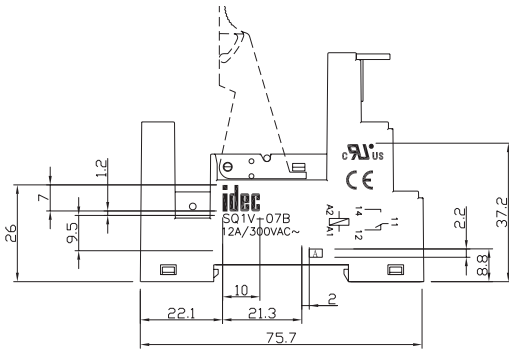
## RQ2



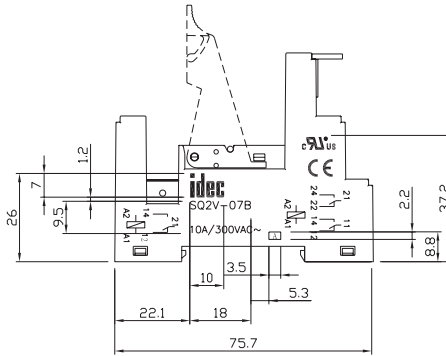
## RQ1 HC



## SQ1V Dimensions



## SQ2V Dimensions



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

[www.idec.com/relay](http://www.idec.com/relay)

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

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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