



Features

Miniature power relays for general and industrial applications. Available in 1 and 2 change-over contacts with max. current 16 A - 250 VAC/30 VDC and 10 A - 250 VAC/30 VDC and in 4 change-over with max. current 5 A - 250 VAC/30 VDC (AC1/DC1), (1, 2, 4 PDT) contacts. Nominal coil power 0,9 W(DC) & 1,5 VAC. Available with and without LED for AC and DC. Diode only available for DC.
Insulation: IEC61810-1 - 2,5 Kv/3.
Pollution degree 2.
Plug-in terminal faston 1 and 2 contacts (4,8 mm). 4-contact version with plug-in faston (2,6 mm).
Approvals: CE
Protection class : IP40
European Patent.

Coil ratings

Nominal voltage VDC	6	12	24	48	60	115	220
Resistance ($\Omega \pm 15\%$)	40	160	650	2,6K	3,2K	13,8K	52,3K
Nominal voltage VAC	6	12	24	48	60	120	230
Resistance ($\Omega \pm 15\%$)	11,5	40	160	700	1,06K	3,6K	12,4K

Coil values at 25°C

	VDC	VAC 50HZ
Operating range	0,75 -1,1 Un	0,8 -1,1 Un
Max. drop-out voltage	$\geq 10\% Un$	$\geq 30\% Un$

Contacts

Contact arrangement: 1C, 2C and 4C.
Maximum contact power: (230 VAC1/25VDC1)
1C: 4.000 VA / 480 W 1C (1PDT)
2C: 2.500 VA / 300 W 2C (DPDT)
4C: 1.250 VA / 150 W 4C (4PDT)
Maximum voltage: 250VAC, 220VDC.
Maximum current: 16A(1C), 10A(2C), 5A(3C) (250VAC1/28VDC1)
Maximum breaking capacity: 110V DC ---> 0,4A
220V DC ---> 0,15-0,20A

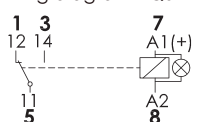
Contact resistance: $\leq 50m\Omega$.
Contact material: Silver alloy (AgNi).

Specifications RQ-T

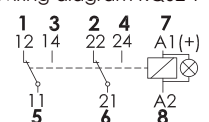
Electrical life	$\geq 10^5$ cycles
Mechanical life	$\geq 10^7$ cycles
Insulation resistance	$\leq 1000M\Omega$ (500VDC)
Operation time	$\leq 20ms$
Operation frequency	1200op/h at nominal load
Release time	$\leq 20ms$
Dielectric strength at 1mA in 1 & 2 contacts	2.000VAC/min (between coil and contacts)
	1.200VAC/min (between contacts)
Dielectric strength at 1mA in 4 contacts	1.800VAC/min (between coil and contacts)
	1.000VAC/min (between contacts)
Vibration resistance	10 - 50Hz (Double width 1,5mm)
Shock resistance	10g
Room temperature	-40 °C +65 °C
Room humidity	35% -85% RH
Atmospheric pressure	86 - 106 KPa
Weight	$\leq 35gr$
Pack units	20



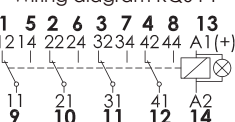
RQS1-T Relay 1 contact
Wiring diagram RQS1-T



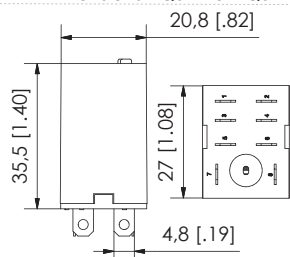
RQS2-T Relay 2 contacts
Wiring diagram RQS2-T



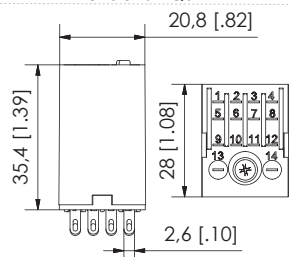
RQS4-T Relay 4 contacts
Wiring diagram RQS4-T



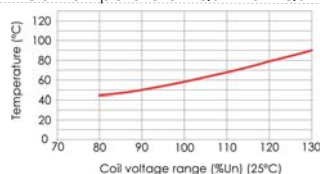
Dimensions RQS1-T & RQS2-T



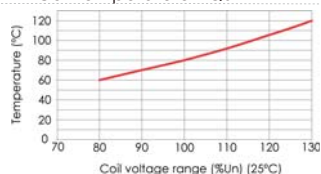
Dimensions RQS4-T



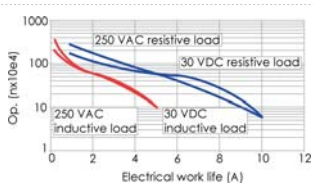
Coil temperature RQS1-T & RQS2-T



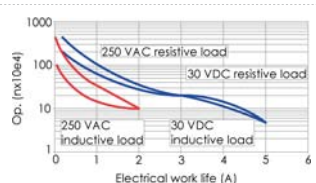
Coil temperature RQS4-T



Electrical life RQS1-T & RQS2-T



Electrical life RQS4-T



References RQ-T relays

Example: Relay RQS 4 contacts, 230VAC coil voltage, with LED.

Product series	RQ	E	4	0	L	230	AC	0	T
RQ: RQ relays series						Coil voltage			Series features
Type						006: 6V			T: T series
E: without button						012: 12V			
S: with button						024: 24V			
Contacts number						048: 48V			Circuit connect to coil
2: 2 contacts						060: 60V			0: without circuit
3: 3 contacts						115: 115V (only DC)			D: with diode (only DC)
4: 4 contacts						120: 120V (only AC)			
Contact material					L	220: 220V (only DC)			Coil version
0: silver alloy					N	230: 230V (only AC)			AC: VAC voltage
									DC: VDC voltage