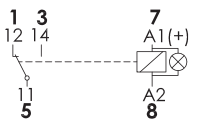
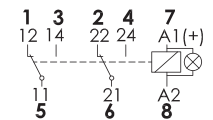


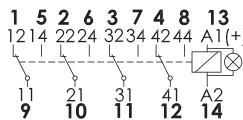
RQS1-T Relay 1 contact
Wiring diagram RQS1-T



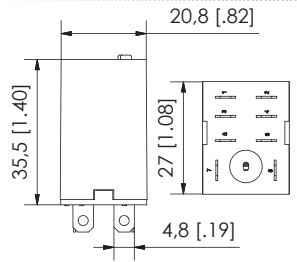
RQS2-T Relay 2 contacts
Wiring diagram RQS2-T



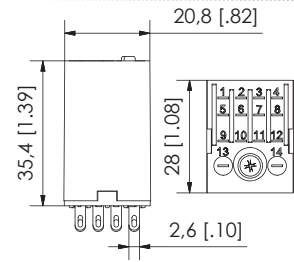
RQS4-T Relay 4 contacts
Wiring diagram RQS4-T



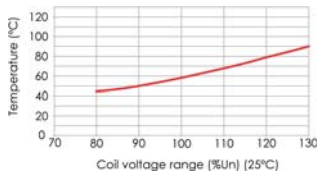
Dimensions RQS1-T & RQS2-T



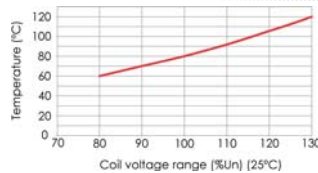
Dimensions RQS4-T



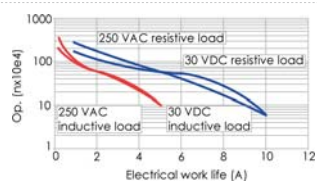
Coil temperature RQS1-T & RQS2-T



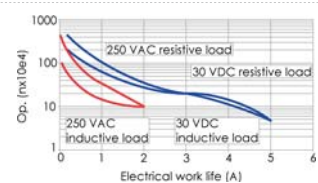
Coil temperature RQS4-T



Electrical life RQS1-T & RQS2-T



Electrical life RQS4-T



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 DC 0,9 W & AC 1,5 VA. 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, UL. 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: 250 VAC, 220 VDC.
Maximum current: 16 A, 10 A, 5 A. (250VAC1/28VDC1)
Maximum breaking capacity: 110V DC \rightarrow 0,4A
220V DC \rightarrow 0,15-0,20A

Contact resistance: $\leq 50m\Omega$.
Contact material: Silver alloy(m + Ag + Hi).

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/1min(between coil and contacts) 1.200VAC/1min(between contacts)
Dielectric strength at 1mA in 4 contacts	1.800VAC/1min(between coil and contacts) 1.000VAC/1min(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

References RQ-T relays

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

RQ **E** **4** **0** **L** **230** **AC** **0** **T**

Product series
RQ: RQ relays series

Type
E: without button
S: with button

Contacts number
2: 2 contacts
3: 3 contacts
4: 4 contacts

Contact material
0: Silver alloy

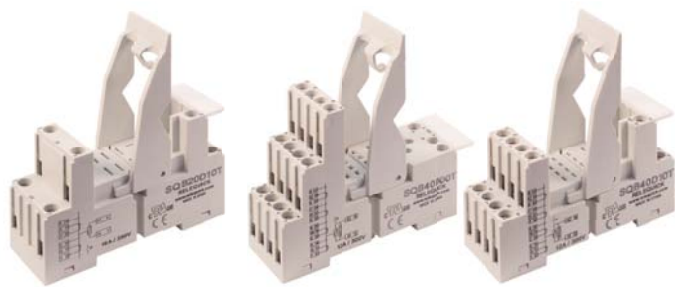
Led
L: with led
N: without led

Coil voltage
006: 6V
012: 12V
024: 24V
048: 48V
060: 60V
115: 115V (only DC)
120: 120V (only AC)
220: 220V (only DC)
230: 230V (only AC)

Series features
T: T series

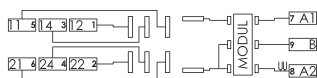
Circuit connect to coil
0: without circuit
D: with diode (only DC)

Coil version
AC: VAC voltage
DC: VDC voltage

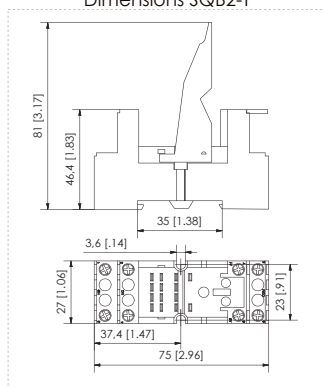


SQB2-T Socket

Wiring diagram SQB2-T

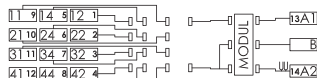


Dimensions SQB2-T

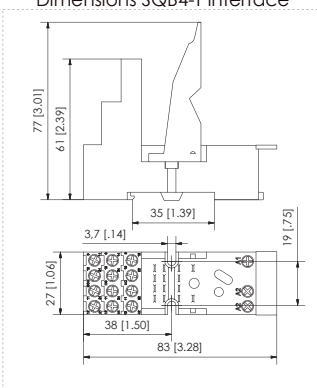


SQB4-T Socket

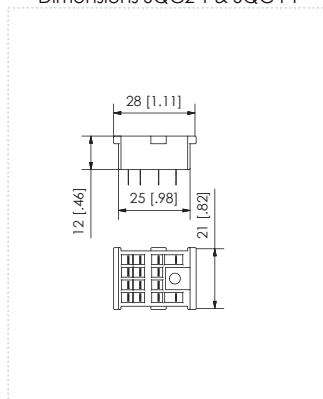
Wiring diagram SQB4-T



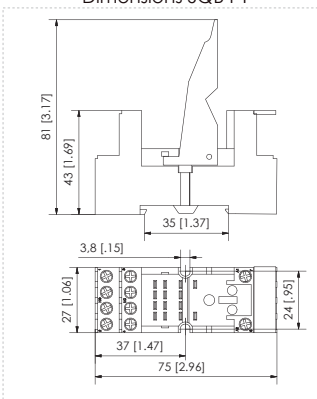
Dimensions SQB4-T interface



Dimensions SQC2-T & SQC4-T



Dimensions SQB4-T



References

SQB21D10T	Socket for relays 1-2 contacts black
SQB20D10T	Socket for relays 1-2 contacts grey
SQB41D10T	Socket for relays 4 contacts black
SQB40D10T	Socket for relays 4 contacts grey
SQB41D00T	Interface socket for relays 4 contacts black
SQB40D00T	Interface socket for relays 4 contacts grey
SQC21C11T	Weld-on PCB socket for relays 2 contacts black
SQC41C11T	Weld-on PCB socket for relays 4 contacts black

Accessories for relays

Led and Mechanical indication and a wide window.
 3-sequential-position test button (free, check, lock).
 With colours for an easier identification of coil voltage (DC Blue, AC Red).
 Technical information and coil voltage printed in frontal side.

Features

Interface I/O (Input/Output).
 Interchangeable marked labels and clip integrated.
 DIN rail (35 mm, T35) or panel mount (EN 60715).
 Connection bridges for A2 terminals.
 Electronic modules connection.
 3-position clip for the subsection to DIN rail.
 DIN and sequential numbering (optional).
 IEC/EN 61812/1/4 compliant.

Specifications SQB20-T and SQB40-T

The SQ-T sockets are produced with module insertion.
 Nominal load 16A (SQB2-T); 10A (SQB4-T) 250V
 Dielectric strength $V_{rms}/1 min$ 2,5 KV
 Max. screw torque 1,2 Nm
 Screws M3 Steel. Pozi drive
 Wire in lets capacity: solid wire 4 mm² or 2 x 2,25 mm²
 Wire in lets capacity: multi-core 22 – 14 AWG
 Weight ≤ 71gr
 Room temperature -40°C to 70°C
 Pack Units 10
 Protection category IP 20

Weld-on PCB socket SQC

Weight ≤ 1gr
 Pack Units 30

