QRC series
C7-T2x
8-pin, miniature relay, 2-poles, twin contact, faston

Type
C7-T2x/ ... V
Standard relays for low level
2 change-over bifurcated contacts

Maximum contact load
6 A/250 V AC1 6 A/30 V DC1
Recommended minimum contact load
5 mA/5 V Code 1
1 mA/5 V Code 2

Contacts
Material Standard Code 1 AgNi + 0.2 µ Au
Optional Code 2 AgNi + 10 µ Au
Rated current
6 A
Switch-on current max. (20 ms)
15 A
Switching voltage max.
250 V
AC load (Fig 1)
1.2 kVA
DC load
see fig. 2

Coil
Coil resistance
see table; tolerance ± 10 %
Pick-up voltage
≤ 0.8 x U
Release voltage
≥ 0.1 x U
Nominal power
1.2 VA (AC)/1 W (DC)

Coil table
<table>
<thead>
<tr>
<th>VAC</th>
<th>Ω</th>
<th>mA</th>
<th>VDC</th>
<th>Ω</th>
<th>mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>174</td>
<td>50</td>
<td>12</td>
<td>148</td>
<td>85</td>
</tr>
<tr>
<td>48</td>
<td>686</td>
<td>25</td>
<td>24</td>
<td>594</td>
<td>43</td>
</tr>
<tr>
<td>115</td>
<td>4K3</td>
<td>10,4</td>
<td>48</td>
<td>2K3</td>
<td>21</td>
</tr>
<tr>
<td>230</td>
<td>18K6</td>
<td>5,2</td>
<td>110</td>
<td>11K4</td>
<td>10</td>
</tr>
</tbody>
</table>

Insulation
Volt rms, 1 min
Contact open
1000 V
Contact/contact
2.5 kV
Contact/coil
2.5 kV
Insulation resistance at 500 V
≥ 1 GΩ
Insulation, IEC 61810-1
2.5 kW/3

 Specifications
Ambient temperature operation/storage
-40 (no ice) ... 60 °C /-40 ... 80 °C
Pick-up time/bounce time
16 ms/s 3 ms
Release time/bounce time
8 ms/s 1 ms
Mechanical life ops
AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load
≥ 100000 switching cycles
Switching frequency at rated load
≤ 1200/h
Protection class
IP40
Weight
43 g

Standard types
VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) C7-T21/AC ... V
C7-T22/AC ... V
C7-T21X/AC ... V
C7-T22X/AC ... V
LED
VDC 12, 24, 48, 110
C7-T21/DC ... V
C7-T22/DC ... V
C7-T21X/DC ... V
C7-T22X/DC ... V
LED
Free wheeling diode
C7-T21DX/DC ... V
C7-T22DX/DC ... V
C7-T21FX/DC ... V
C7-T22FX/DC ... V
Polarity and free wheeling diode
AC/DC bridge rectifier 24 V, 48 V, 60 V
C7-T21BX/UC ... V
C7-T22BX/UC ... V

"..." Enter the voltage for full type designation

Accessories
Socket:
S7-M, S7-I/O, S7-L, S7-P, S7-P0

Technical approvals, conformities
IEC 61810; EN 60947

This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.