DIN Relay 17.5 mm interface series
C203.01

2 channels power relay with change over single contacts
DIN Rail mounting according to DIN 43 880

Type: C203.01/…V R
2 channels power relay
2 separate change over contacts
12 ... 230 V control inputs
LED status indicator for each channel
Wash tight relays built in
Also suitable for panel mounting 2 x M4

Maximum contact load 6 A 250 V AC-1, 6 A 25 V DC-1
Recommended minimum contact load 100 mA / 12 V

Contacts
Type Single contact micro disconnection
Material AgNi
Rated operational current 6 A
Max. inrush current (20ms) 15 A
Max. switching voltage AC-1 250 V
Max. AC load (Fig.1) 1500 VA AC-1
Max. DC load 24 V/220 V (Fig.2) 150 W / 50 W

Control input per channel V_n =

<table>
<thead>
<tr>
<th>Operating voltage range [V]</th>
<th>DC 12 V</th>
<th>UC 24 V</th>
<th>UC 48 V</th>
<th>AC 110 - 127 V</th>
<th>AC 220 - 240 V</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 … 15</td>
<td>20 … 29</td>
<td>29 … 57</td>
<td>90 … 150</td>
<td>190 … 265</td>
</tr>
</tbody>
</table>

Input current @ Vnom [mA]

<table>
<thead>
<tr>
<th>Release voltage [V]</th>
<th>≤ 40</th>
<th>≥ 24</th>
<th>≥ 4.8</th>
<th>≥ 20</th>
<th>≥ 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nom. power consumption [W]</td>
<td>≤ 0.4</td>
<td>≤ 0.6</td>
<td>≤ 0.55</td>
<td>≤ 0.8 / 1</td>
<td>≤ 0.9 / 1.2</td>
</tr>
</tbody>
</table>

Inductive turn-off voltage
None

Insulation
Open contact 1 kVrms 1 minute
Between adjacent poles 2 kVrms 1 minute
Between contacts and coil 2 kVrms 1 minute

General Specifications
Ambient temperature storage/operation -40 ... +85 °C / -25 ... +60 °C
Response time 2 – 15 ms
Release time 10 – 35 ms
Bounce time ≤ 3 ms
Mechanical life 20 x 10⁶ operations
Conductor cross section Stranded wire 2.5 mm², 2 x 1.5 mm²
Max. screw torque 0.4 Nm
Ingress protection degree Housing: IP 40, terminals: IP 20
Housing material Lexan
Weight 80 g

Standard types
AC 50 Hz / 60 Hz: 110 – 127, 220 – 240
U (AC / DC): 24, 48
DC 12 V: C203.01/AC...V R
C203.01/UC ...V R
C203.01/DC12V R

“…” enter the voltage for full type designation

Accessories
Label plate: BZS-DIN17.5

Connection diagram
Fig. 1 AC voltage endurance 250 V

Fig. 2 DC load limit curve DC-1

Dimensions [mm]

Technical approvals, conformities
EN 60947-4-1, EN 60947-5-1

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