DIN Relay 17.5 mm interface series
C301.04

3 channels control relay for medium and very low contact load with
normally open double contacts, DIN Rail mounting according to DIN 43 880

Type: C301.04/…V R
3 channels control relay
3 separate normally open double contacts of high reliability
12 ... 48 V control inputs
LED status indicator for each channel
Sealed relays built in
Also suitable for panel mounting 2 x M4

Maximum contact load 5 A 250 V AC-1, 5 A 30 V DC-1
Recommended minimum contact load 1 mA / 0.1 V

Contacts
Type: Double contact micro disconnection
Material: Gold flash over silver alloy
Rated operational current 5 A
Max. switching voltage AC-1 250 V
Max. switching voltage DC-1 125 V
Max. AC load (Fig.1) AC-1 1250 VA
Max. DC load 30 V / 125 V (Fig.2) 150 W / 25 W

Control input per channel V in =
<table>
<thead>
<tr>
<th>DC 12 -15 V</th>
<th>DC 24 V</th>
<th>DC 48 V</th>
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<tr>
<td>11 ... 18</td>
<td>20 ... 29</td>
<td>38 ... 53</td>
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Input current @ Vnom [mA]
DC 12 -15 V ≤ 25
DC 24 V ≤ 16
DC 48 V ≤ 25

Release voltage [V]
DC 12 -15 V ≥ 2
DC 24 V ≥ 3.5
DC 48 V ≥ 6

Nom. power consumption [W]
DC 12 -15 V ≤ 0.35
DC 24 V ≤ 0.4
DC 48 V ≤ 1

Inductive turn-off voltage
None
None
None

Polarity reversal
protected
protected
protected

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

General Specifications
Ambient temperature storage/operation -40 ... +85 °C / -25 ... +60 °C
ON delay ≤ 6 ms
Release time ≤ 30 ms
Bounce time NO contact ≤ 3 ms
Mechanical life ≥ 50 x 10^6 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
DC, 12-15, 24, 48: C301.04/DC ...V R
"..." enter the voltage for full type designation

Accessories
Label plate: BZS-DIN17.5

Connection diagram

Fig. 1 Contact endurance

Fig. 2 Load limit curve

Dimensions [mm]

Technical approvals, conformities