

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_n =

	DC 12 -15 V	DC 24 V	DC 48 V
Operating voltage range [V]	11 ... 18	20 ... 29	38 ... 53
Input current @ V _{nom} [mA]	≤ 25	≤ 16	≤ 25
Release voltage [V]	≥ 2	≥ 3.5	≥ 6
Nom. power consumption [W]	≤ 0.35	≤ 0.4	≤ 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 mm ² , 2 x 1.5 mm ²
Max. Screw torque	0.4 Nm
Ingress protection degree	Housing: IP 40, terminals: IP 20
Housing material	Lexan
Weight	80 g

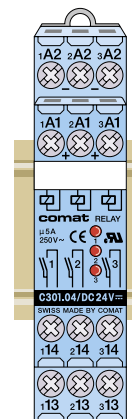
Standard types

DC, 12-15, 24, 48:	C301.04/DC ...V R
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"..." enter the voltage for full type designation

Accessories

Label plate:	BZS-DIN17.5
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Connection diagram

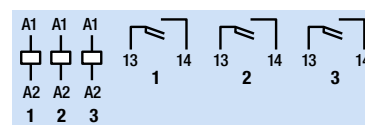


Fig.1 Contact endurance

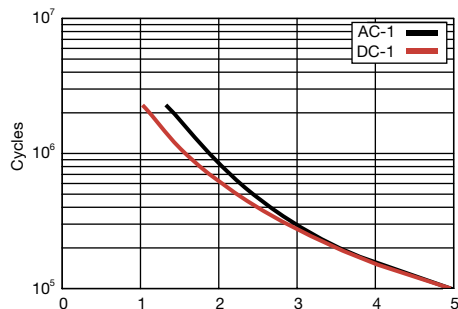
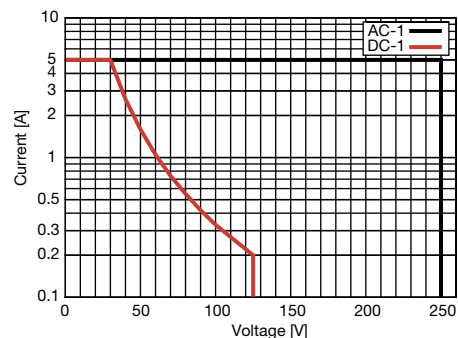
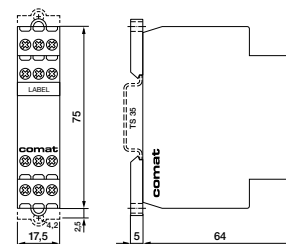


Fig. 2 Load limit curve



Dimensions [mm]



Technical approvals, conformities

