

C203.04

2 channels control relay for medium and **very low contact load** with change over single contacts, DIN Rail mounting according to DIN 43 880

Type: C203.04/...V R

2 channels power relay
2 separate change over contacts
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	Single 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	UC 24 V	UC 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

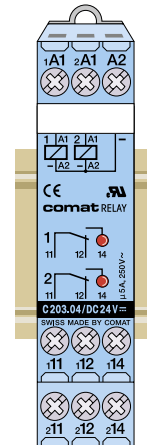
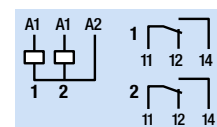
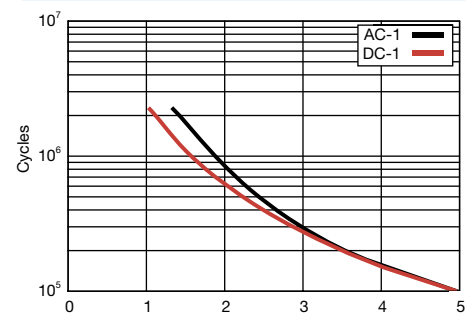
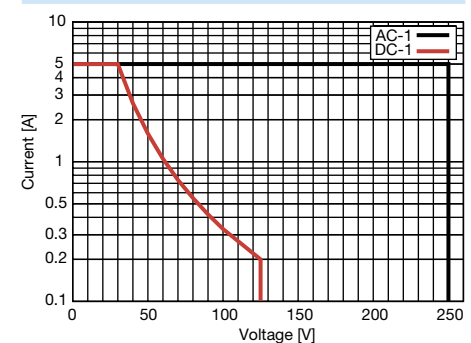
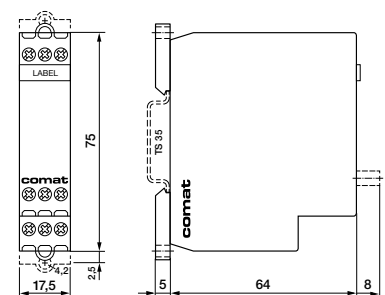
Ambient temperature storage/operation	-40 ... +85 °C / -25 ... +60 °C
ON delay	≤ 6 ms
Release time	≤ 30 ms
Bounce time NO contact	≤ 3 ms
Mechanical life	$\geq 50 \times 10^6$ operations
Conductor cross section	Stranded wire 2.5 mm ² , 2 x 1.5 mm ²
Max. Screw torque	0.4 Nm
Ingress protection degree	Housing: IP 40, terminals: IP 20
Housing material	Lexan
Weight	80 g

Standard types**DC: 12-15, 24, 48****C203.04/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**

EN 60947-4-1, EN 60947-5-1