

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 =

	DC 12 V	UC 24 V	UC 48 V	AC 110 - 127 V 50Hz/60Hz	AC 220 - 240 V 50Hz/60Hz
Operating voltage range [V]	10 ... 15	20 ... 29	38 ... 57	90 ... 150	190 ... 265
Input current @ V _{nom} [mA]	≤ 40	≤ 25	≤ 11	≤ 12/15	≤ 12/15
Release voltage [V]	≥ 1.2	≥ 2.4	≥ 4.8	≥ 20	≥ 40
Nom. power consumption [W]	≤ 0.4	≤ 0.6	≤ 0.55	≤ 0.8 / 1	≤ 0.9 / 1.2
Inductive turn-off voltage	None	None	None	None	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 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

AC 50 Hz / 60 Hz: 110 – 127, 220 – 240

UC (AC / DC): 24, 48

DC 12 V:

C203.01/AC...V R

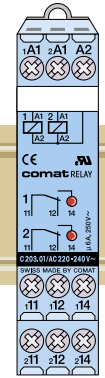
C203.01/UC ...V R

C203.01/DC12V R

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

Accessories

Label plate: **BZS-DIN17.5**



Connection diagram

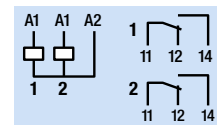


Fig. 1 AC voltage endurance 250 V

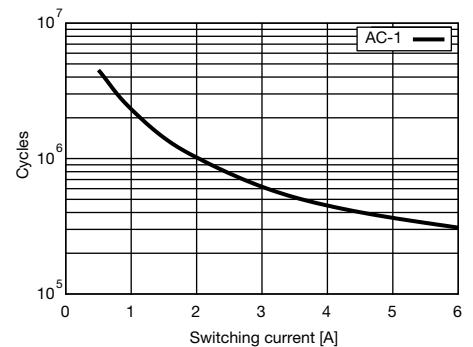
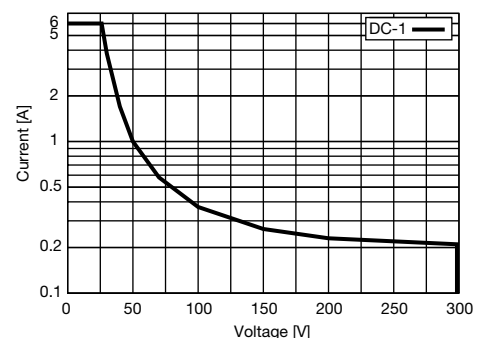
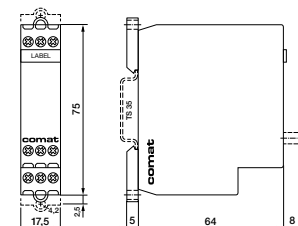


Fig. 2 DC load limit curve DC-1



Dimensions [mm]



Technical approvals, conformities



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