

B103/UC24V
1 pole | Power relay



Main circuit

Table with 2 columns: Parameter and Value. Includes Available contact materials (AgSnO2), Recommended minimum contact load (10 mA / 12 V), Maximum contact load AC-1 (10 A / 250 V), Maximum contact load DC-1 (6 A / 30 V), Rated current (10 A), Inrush current (16 A, 20 ms), Operating voltage (See table product references), Rated load AC (2 500 VA), Rated load DC (fig. 3), Mechanical endurance (cycles) (≥ 20 000 000), Electrical endurance at rated load AC-1 (cycles) (≥ 200 000), Number of contacts (1 CO).

Control circuit

Table with 2 columns: Parameter and Value. Includes Nominal voltage (see table product references), Operating voltage range (0.85 UN ... 1.15 UN), Pick-up voltage (0.85 UN), Release voltage (≥ 0.1 UN), Pick-up time (20 ms), Release time (12 ms), Power consumption AC (5.5 VA), Power consumption DC (1.2 W).

Insulation

Table with 2 columns: Parameter and Value. Includes Contact/contact (4 kV / 1 min), Contact / coil (2 kV / 1 min), Overvoltage category (III), Rated impulse withstand voltage open contact (1 kV / 1 min), Pollution degree (3).

General data

Table with 2 columns: Parameter and Value. Includes Storage temperature (no ice) (-40 ... 85 °C), Operation temperature (-20 ... 55 °C), Conductor cross section (solid wire 1 x 4 mm², 2 x 1.5 mm², stranded & crimped wire 1 x 2.5 mm², 2 x 1.5 mm²), Nominal screw torque (0.5 Nm), Ingress Protection (IP 20), Mounting (TH35 (EN 60715)), Weight (60 g), Housing material (PA / PC).

Product references

Table with 3 columns: Description, Type, and a checkmark. Row 1: 1 CO, B103/UC...V, ✓.

Other voltages on request. Please contact support@comatreleco.com.
«...» List control circuit voltage to complete product references.



fig. 1. Wiring diagram

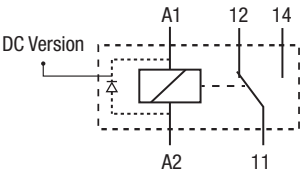


fig. 2. AC voltage endurance

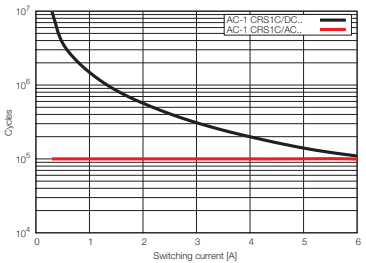


fig. 3. DC load limit curve

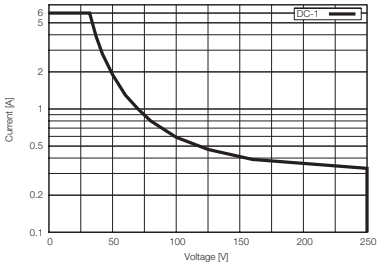
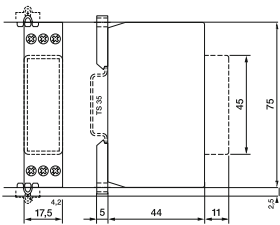


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards EN 61810
Approvals CE, c, UL, EAC, UKCA