

C21DL/DC110V
2 pole | Changeover contact | Power relay



Main circuit

Table with 2 columns: Parameter and Value. Parameters include Available contact materials (AgCuNi), Recommended minimum contact load (50 mA / 10 V), Maximum contact load AC (10 A / 250 V AC-1), Maximum contact load DC (10 A / 30 V DC-1), Inrush current (40 A, 20 ms), Rated load AC (2 500 VA), Rated load DC (fig. 3), Rated current (10 A), Mechanical endurance (cycles) (≥ 100 000 000), and Electrical endurance at rated load AC-1 (cycles) (≥ 700 000).

Control circuit

Table with 2 columns: Parameter and Value. Parameters include Nominal voltage (see table product references), Operating voltage range (0.8 UN ... 1.1 UN), Pick-up voltage (≤ 0.8 UN), Release voltage AC / DC (> 0.15 x UN / > 0.05 x UN), and Power consumption AC / DC (2.5 VA / 1.2 W).

Coil table

Table with 3 columns: UDC(V), R(Ω), and I(mA). Row 1: 110, 9 900, 12.

Types with LED indicator take additional 5 ... 10 mA @ < 80 V

Insulation

Table with 2 columns: Parameter and Value. Parameters include Test voltage open contact (1.5 kV / 1 min), Test voltage contact / contact (1.5 kV / 1 min), Test voltage contact / coil (2 kV / 1 min), Overvoltage category (III), Insulation resistance at 500 V (≥ 1 GΩ), and Pollution degree (3).

General data

Table with 2 columns: Parameter and Value. Parameters include Storage temperature (no ice) (-40 ... 70 °C), Operation temperature (-40 ... 70 °C), Pick-up time AC / DC (3 ... 10 ms / ≤ 12 ms), Release time AC / DC (2 ... 15 ms / ≤ 3.5 ms), Bounce time NO contact AC / DC (3 ... 6 ms / approx. ≤ 3.5 ms), Maximum switching frequency at rated load (360 / h), Dimensions (fig. 4), Weight (80 g), and Housing material (PA / PC).

Product references

Table with 3 columns: Description, Type, and 110. Row 1: LED & Free wheeling diode, C21DL/DC...V, ✓.

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

Accessories

Table with 2 columns: Accessory and Part Number. Row 1: Socket, S2-B.



fig. 1. Wiring diagram

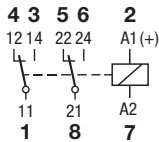


fig. 2. AC voltage endurance

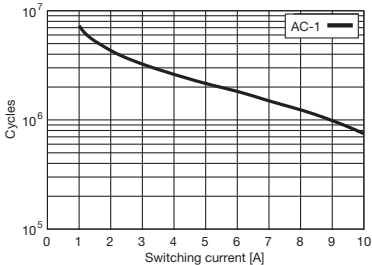


fig. 3. DC load limit curve

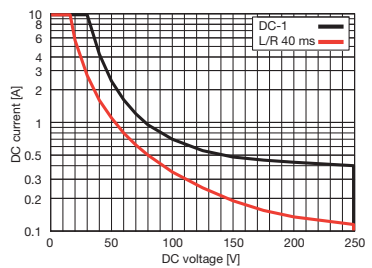
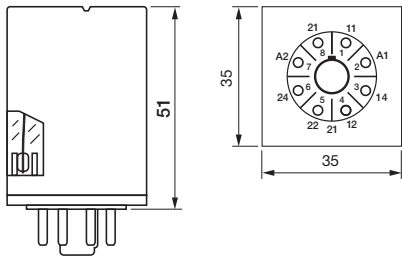


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61810; IEC/EN 60947

