

C3-A30FX/DC42V
3 pole | changeover contact



Main circuit

Table with 2 columns: Parameter and Value. Parameters include Available contact materials (AgNi), Recommended minimum contact load (10 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 (30 A, 20 ms), Rated load AC (2 500 VA), Rated load DC (fig. 3), Rated current (10 A), Mechanical endurance (cycles) (≥ 20 000 000), and Electrical endurance at rated load AC-1 (cycles) (≥ 500 000).

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 (≥ 0.1 UN), and Power consumption AC / DC (2.2 VA / 1.3 W).

Insulation

Table with 2 columns: Parameter and Value. Parameters include Test voltage open contact (1 kV / 1 min), Test voltage contact / contact (2.5 kV / 1 min), Test voltage contact / coil (2.5 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 ... 80 °C), Operation temperature (-40 ... 60 °C), Pick-up time / bounce time (16 ms / ≤ 3 ms), Release time / bounce time (8 ms / ≤ 1 ms), Maximum switching frequency at rated load (1 200 / h), Weight (81 g), and Housing material (PA / PC).

Product references

Table with 3 columns: Description, Type, and a checkmark. Description: LED & Pol. & Free wheeling diode. Type: C3-A3xFX/DC...V. Checkmark: ✓. Additional text: AC relays also available as 60 Hz. 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. Accessories include Socket (S3-B, S3-S, S3-M, S3-M0, S3-M1, EC-11), Blanking plug (SO-NP (BAG 10 PCS)), and Test button without locking (S3-HP (BAG 10 PCS)).

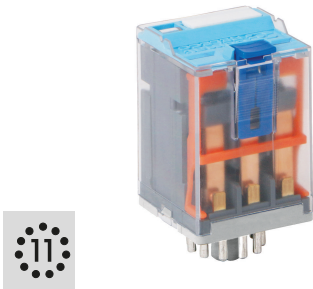


fig. 1. Wiring diagram

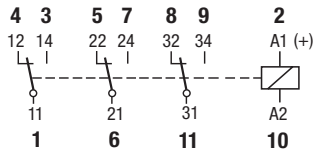


fig. 2. AC voltage endurance

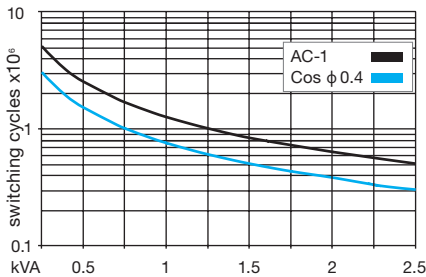


fig. 3. DC load limit curve

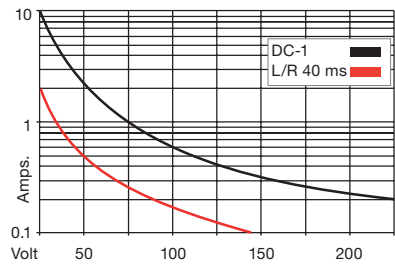
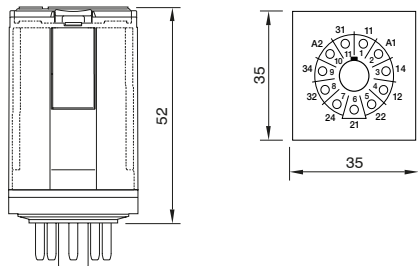


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

