

## C3-A30/AC12V

### 3 pole | changeover contact



#### Main circuit

|                                                  |                   |
|--------------------------------------------------|-------------------|
| 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      |
| Electrical endurance at rated load AC-1 (cycles) | ≥ 500 000         |

#### Control circuit

|                           |                              |
|---------------------------|------------------------------|
| Nominal voltage           | see table product references |
| Operating voltage range   | $0.8 U_N \dots 1.1 U_N$      |
| Pick-up voltage           | $\leq 0.8 U_N$               |
| Release voltage           | $\geq 0.1 U_N$               |
| Power consumption AC / DC | 2.2 VA / 1.3 W               |

#### Coil table

| V AC | Ohm | mA  |
|------|-----|-----|
| 12   | 16  | 185 |

#### Insulation

|                                |                          |
|--------------------------------|--------------------------|
| 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 | $\geq 1 \text{ G}\Omega$ |
| Pollution degree               | 3                        |

#### General data

|                                           |                             |
|-------------------------------------------|-----------------------------|
| Storage temperature (no ice)              | -40 ... 80 °C               |
| Operation temperature                     | -40 ... 60 °C               |
| Pick-up time / bounce time                | 16 ms / $\leq 3 \text{ ms}$ |
| Release time / bounce time                | 8 ms / $\leq 1 \text{ ms}$  |
| Maximum switching frequency at rated load | 1 200 / h                   |
| Weight                                    | 81 g                        |
| Housing material                          | PA / PC                     |

#### Product references

| Description | Type          | 12 |
|-------------|---------------|----|
| AC 50 Hz    | C3-A3x/AC...V | ✓  |

AC relays also available as 60 Hz. Other voltages on request. Please contact support@comatreleco.com.  
«...» List coil voltage to complete product references.

#### Accessories

|                             |                                       |
|-----------------------------|---------------------------------------|
| Socket                      | S3-B, S3-S, S3-M, S3-M0, S3-M1, EC-11 |
| Blanking plug               | S0-NP (BAG 10 PCS)                    |
| Test button without locking | S3-HP (BAG 10 PCS)                    |

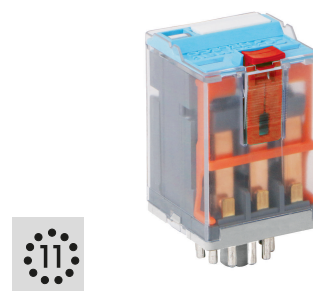


fig. 1. Wiring diagram

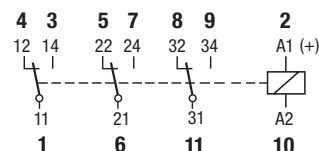


fig. 2. AC voltage endurance

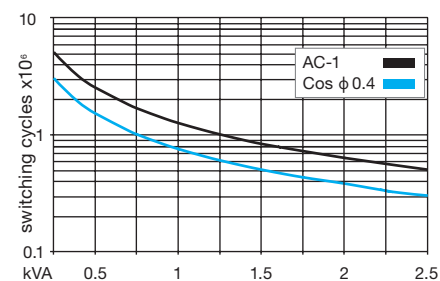


fig. 3. DC load limit curve

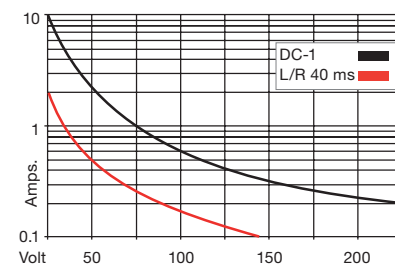
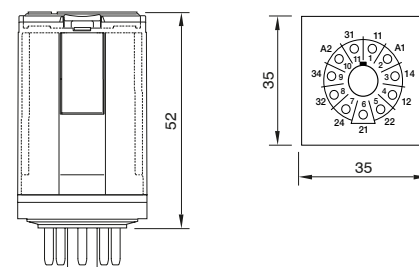


fig. 4. Dimensions (mm)



#### Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

