

# C3-A30/DC24V

## 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 DC | Ohm | mA |
|------|-----|----|
| 24   | 480 | 50 |

### 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 | ≥ 1 GΩ         |
| Pollution degree               | 3              |

### General data

|                                           |                |
|-------------------------------------------|----------------|
| 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           |
| Housing material                          | PA / PC        |

### Product references

| Description | Type          | 24 |
|-------------|---------------|----|
| DC          | C3-A3x/DC...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)                    |

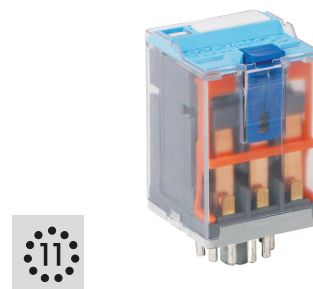


fig. 1. Wiring diagram

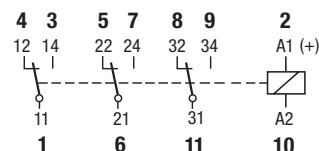


fig. 2. AC voltage endurance

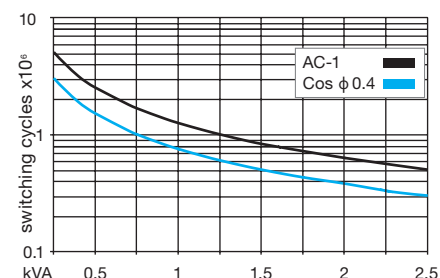


fig. 3. DC load limit curve

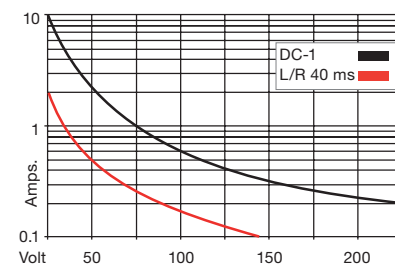
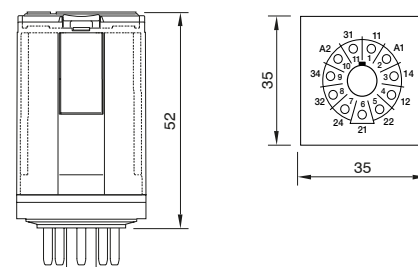


fig. 4. Dimensions (mm)



### Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

