

C133.01/DC12V  
2 pole | Power relay



|                                              |                                                                                                                                           |  |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Main circuit</b>                          |                                                                                                                                           |  |
| Available contact materials                  | ⚡ AgNi                                                                                                                                    |  |
| Recommended minimum contact load             | 100 mA / 12 V                                                                                                                             |  |
| Maximum contact load AC-1                    | 6 A / 250 V                                                                                                                               |  |
| Rated current                                | 6 A                                                                                                                                       |  |
| Inrush current                               | 15 A, 20 ms                                                                                                                               |  |
| Operating voltage                            | See table product references                                                                                                              |  |
| Rated load AC                                | 1 500 VA                                                                                                                                  |  |
| Rated load DC                                | 300 W                                                                                                                                     |  |
| Mechanical endurance (cycles)                | ≥ 20 000 000                                                                                                                              |  |
| Electrical endurance at rated load (cycles)  | ≥ 300 000                                                                                                                                 |  |
| Number of contacts                           | 2 CO                                                                                                                                      |  |
| <b>Control circuit</b>                       |                                                                                                                                           |  |
| Nominal voltage                              | see table product references                                                                                                              |  |
| Operating voltage range                      | 0.85 U <sub>N</sub> ... 1.15 U <sub>N</sub>                                                                                               |  |
| Pick-up voltage                              | 0.85 U <sub>N</sub>                                                                                                                       |  |
| Release voltage                              | ≥ 0.1 U <sub>N</sub>                                                                                                                      |  |
| Pick-up time                                 | 10 ms                                                                                                                                     |  |
| Release time                                 | 10 ms                                                                                                                                     |  |
| Power consumption AC                         | 1.1 VA                                                                                                                                    |  |
| Power consumption DC                         | 1.1 W                                                                                                                                     |  |
| <b>Insulation</b>                            |                                                                                                                                           |  |
| 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                                                                                                                                         |  |
| <b>General data</b>                          |                                                                                                                                           |  |
| Storage temperature (no ice)                 | -40 ... 85 °C                                                                                                                             |  |
| Operation temperature                        | -25 ... 60 °C                                                                                                                             |  |
| Conductor cross section                      | solid wire 1 x 4 mm <sup>2</sup> , 2 x 1.5 mm <sup>2</sup> ,<br>stranded & crimped wire 1 x 2.5 mm <sup>2</sup> , 2 x 1.5 mm <sup>2</sup> |  |
| Nominal screw torque                         | 0.5 Nm                                                                                                                                    |  |
| Ingress Protection                           | IP 20                                                                                                                                     |  |
| Mounting                                     | TH35 (EN 60715)                                                                                                                           |  |
| Weight                                       | 89 g                                                                                                                                      |  |
| Housing material                             | PA / PC                                                                                                                                   |  |

| <b>Product references</b>                                          |                |    |
|--------------------------------------------------------------------|----------------|----|
| Description                                                        | Type           | 12 |
| 2 CO                                                               | C133.01/DC...V | ✓  |
| Other voltages on request. Please contact support@comatreleco.com. |                |    |
| «...» List control circuit voltage to complete product references. |                |    |



fig. 1. Wiring diagram

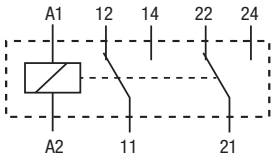


fig. 2. AC voltage endurance

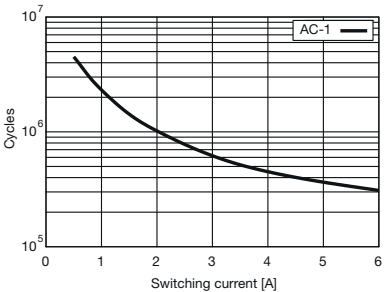
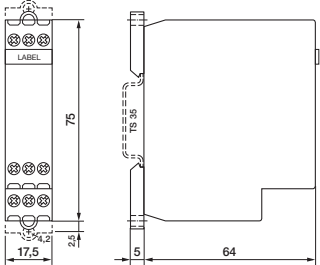


fig. 3. Dimensions (mm)



Technical approvals, conformities

Standards EN 61810

Approvals