

# C10-A10/DC48V

1 pole | changeover contact | Faston



## 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 (120 A for C10-A15) |
| Rated load AC                                    | 2 500 VA                        |
| Rated load DC                                    | fig. 3.                         |
| Rated current                                    | 10 A                            |
| Mechanical endurance (cycles)                    | ≥ 10 000 000                    |
| Electrical endurance at rated load AC-1 (cycles) | ≥ 200 000                       |

## 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 | 1.1 VA / 0.7 W               |

## Coil table

| V DC | Ohm   | mA   |
|------|-------|------|
| 48   | 3 400 | 13.5 |

## Insulation

|                                |              |
|--------------------------------|--------------|
| Test voltage open contact      | 1 kV / 1 min |
| Test voltage contact / coil    | 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 ... 70 °C  |
| Pick-up time / bounce time                | 10 ms / ≤ 1 ms |
| Release time / bounce time                | 5 ms / ≤ 3 ms  |
| Maximum switching frequency at rated load | 1 200 / h      |
| Weight                                    | 21 g           |
| Housing material                          | PA / PC        |

## Product references

| Description | Type           | 48 |
|-------------|----------------|----|
| DC          | C10-A1x/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 | S10, S10-PI, S10-P |
|--------|--------------------|



fig. 1. Wiring diagram

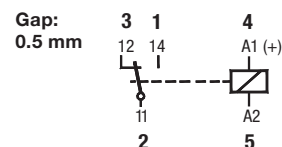


fig. 2. AC voltage endurance

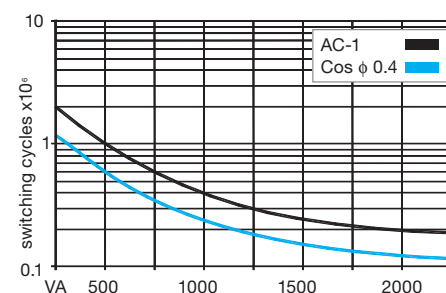


fig. 3. DC load limit curve

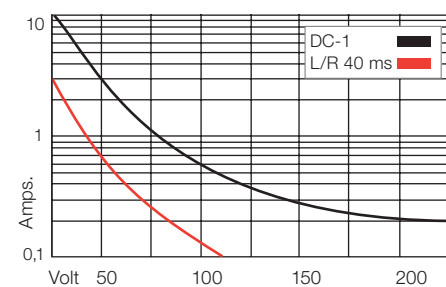
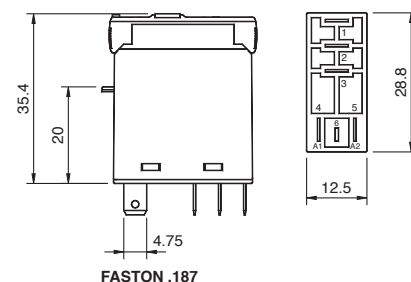


fig. 4. Dimensions (mm)



## Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

