

# C12-A21X/AC120V 60HZ+S12-PI

2 pole | changeover contact



## Main circuit

|                                                  |                  |
|--------------------------------------------------|------------------|
| Available contact materials                      | AgNi + 0.2 µ Au  |
| Recommended minimum contact load                 | 10 mA / 10 V     |
| Maximum contact load AC                          | 5 A / 250 V AC-1 |
| Maximum contact load DC                          | 5 A / 30 V DC-1  |
| Rated load                                       | 5 A / 250 V      |
| Inrush current                                   | 15 A, 20 ms      |
| Rated load AC                                    | 1 200 VA         |
| Rated load DC                                    | fig. 3.          |
| Rated current                                    | 5 A              |
| Mechanical endurance (cycles)                    | ≥ 10 000 000     |
| Electrical endurance at rated load AC-1 (cycles) | ≥ 100 000        |

## Control circuit

|                           |                                           |
|---------------------------|-------------------------------------------|
| Nominal voltage           | see table product references              |
| Operating voltage range   | 0.8 U <sub>N</sub> ... 1.1 U <sub>N</sub> |
| Pick-up voltage           | ≤ 0.8 U <sub>N</sub>                      |
| Release voltage           | ≥ 0.1 U <sub>N</sub>                      |
| Power consumption AC / DC | 1.1 VA / 0.7 W                            |

## Coil table

| V AC | Ohm   | mA |
|------|-------|----|
| 120  | 7 091 | 9  |

## Insulation

|                                       |                    |
|---------------------------------------|--------------------|
| Test voltage all terminals / DIN rail | 2.5 kV rms / 1 min |
| Test voltage terminal / terminal      | 2.5 kV rms / 1 min |
| Test voltage open contact             | 1 kV rms / 1 min   |
| Test voltage contact / coil           | 5 kV rms / 1 min   |
| Overvoltage category                  | III                |
| Insulation resistance at 500 V        | ≥ 1 GΩ             |
| Pollution degree relay                | 3                  |

## General data

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Storage temperature (no ice)                   | -40 ... 80 °C                                                          |
| Operation temperature                          | -40 ... 60 °C                                                          |
| Pick-up time / bounce time                     | 10 ms / ≤ 1 ms                                                         |
| Release time / bounce time                     | 5 ms / ≤ 3 ms                                                          |
| Conductor cross section control / main circuit |                                                                        |
| - Single wire                                  | 2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 |
| - Multi wire (un-crimped)                      | 2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 |
| - Multi wire (crimped)                         | 2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 1.5 mm <sup>2</sup> / AWG 16 |
| - Single wire                                  | 2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 |
|                                                | Use copper conductors only                                             |
|                                                | Max. jacket diameter 4.0 mm                                            |
|                                                | Stripping length 8 mm                                                  |
| - Multi wire (un-crimped)                      | 2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 |
|                                                | Use copper conductors only                                             |
|                                                | Max. jacket diameter 4.0 mm                                            |
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| - Multi wire (crimped)                         | 2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 1.5 mm <sup>2</sup> / AWG 16 |
|                                                | Use copper conductors only                                             |
|                                                | Max. jacket diameter 4.0 mm                                            |
|                                                | Stripping length 8 mm                                                  |
| Mounting                                       | TH35 (EN 60715)                                                        |
| Maximum switching frequency at rated load      | 1 200 / h                                                              |
| Weight                                         | 60 g                                                                   |
| Housing material                               | PA / PC                                                                |

## Product references

| Description                                                        | Type                        | 120 |
|--------------------------------------------------------------------|-----------------------------|-----|
| LED                                                                | C12-A21X/AC...V 60HZ+S12-PI | ✓   |
| Other voltages on request. Please contact support@comatreleco.com. |                             |     |
| «...» List coil voltage to complete product references             |                             |     |

## Included Accessories

|                          |                      |
|--------------------------|----------------------|
| Retaining clip   plastic | S10-CPI (BAG 10 PCS) |
|--------------------------|----------------------|

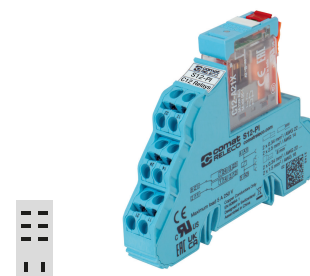


fig. 1. Wiring diagram

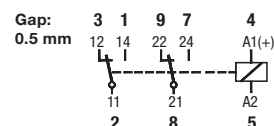


fig. 2. AC voltage endurance

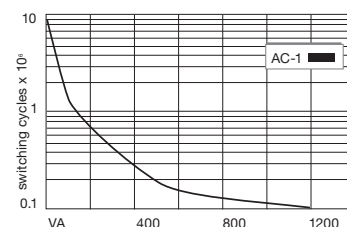


fig. 3. DC load limit curve

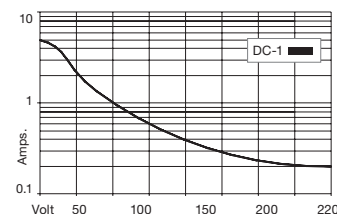
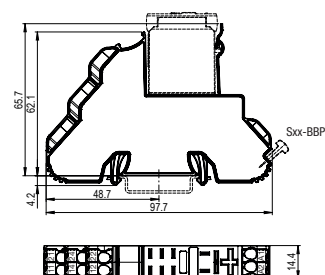


fig. 4. Dimensions (mm)



## Technical approvals, conformities

Standards IEC/EN60947; IEC/EN 61810

Approvals CE cULus REACH CCC UKCA

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Optional Accessories

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Retaining clip   plastic     | S10-CPI (BAG 10 PCS)                                                                  |
| A2-Bridge for Sx-PI / Sx-PIR | Sxx-BBPI (BAG 20 PCS)                                                                 |
| 2-pole potential bridge bar  | Sxx-BBPI2 (BAG 20 PCS)                                                                |
| Multi-operation tool kit     | OT-PI kit                                                                             |
| Marking strip                | BS11-PI (50m tape)                                                                    |
| Cable Bridge                 | BC-78-15-8-BK (BAG 20 PCS), BC-78-15-8-BU (BAG 20 PCS),<br>BC-78-15-8-RD (BAG 20 PCS) |

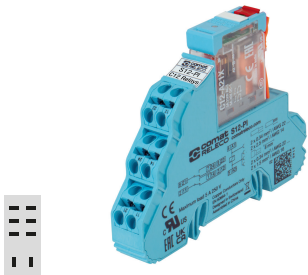


fig. 1. Wiring diagram

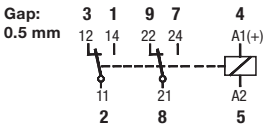


fig. 2. AC voltage endurance

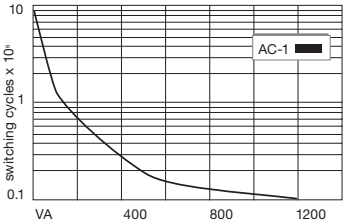


fig. 3. DC load limit curve

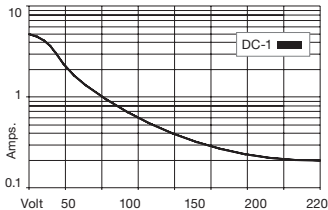
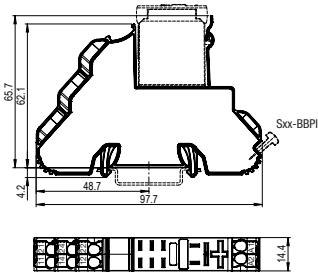


fig. 4. Dimensions (mm)



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Approvals