

**C10-A1x****1 pole | changeover contact | Faston**

|                                         |                             |                         |
|-----------------------------------------|-----------------------------|-------------------------|
| <b>Maximum contact load</b>             | <b>10 A/250 V AC-1</b>      | <b>0.5 A/110 V DC-1</b> |
|                                         | <b>10 A/30 V DC-1</b>       | <b>0.2 A/220 V DC-1</b> |
| <b>Recommended minimum contact load</b> | <b>10 mA/10 V Code 0, 5</b> |                         |
|                                         | <b>5 mA/5 V Code 8</b>      |                         |

**Contacts**

|                             |          |        |                         |
|-----------------------------|----------|--------|-------------------------|
| Material                    | Standard | Code 0 | ⚡ AgNi                  |
|                             | Optional | Code 8 | ⚡ AgNi + 5 μ Au         |
|                             | Optional | Code 5 | ⚡ AgSnO <sub>2</sub>    |
| Rated Load                  |          |        | 10 A                    |
| Max. inrush current (20 ms) |          |        | 30 A (120 A for code 5) |
| Switching voltage max.      |          |        | 250 V                   |
| AC load fig. 1              |          |        | 2.5 kVA                 |
| DC load                     |          |        | see fig. 2              |

**Coil**

|                 |                             |
|-----------------|-----------------------------|
| Coil resistance | see table; tolerance ± 10 % |
| Pick-up voltage | ≤ 0.8 × U <sub>N</sub>      |
| Release voltage | ≥ 0.1 × U <sub>N</sub>      |
| Nominal power   | 1.1 VA (AC)/0.7 W (DC)      |

**Coil table**

| V AC | Ω      | mA  | V DC | Ω      | mA   |
|------|--------|-----|------|--------|------|
| 24   | 290    | 45  | 12   | 224    | 53   |
| 48   | 1200   | 23  | 24   | 742    | 32   |
| 115  | 7.300  | 9.5 | 48   | 3.500  | 13.7 |
| 230  | 28.800 | 4.7 | 110  | 19.900 | 5.5  |

**Insulation**

|                                |        |
|--------------------------------|--------|
| Contact open                   | 1000 V |
| Contact/coil                   | 5 kV   |
| Insulation resistance at 500 V | ≥ 1 GΩ |
| Insulation, IEC 61810-1        | 4 kV   |

**Specifications**

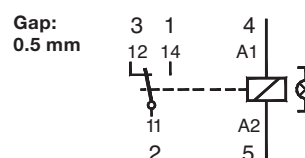
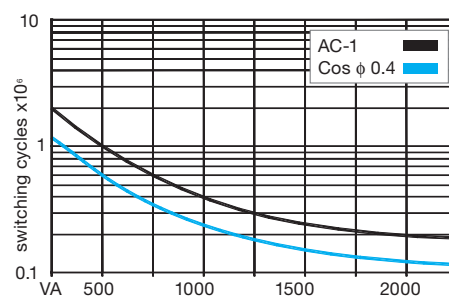
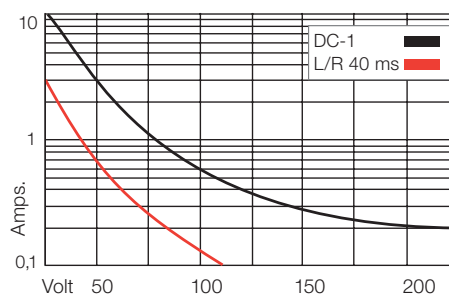
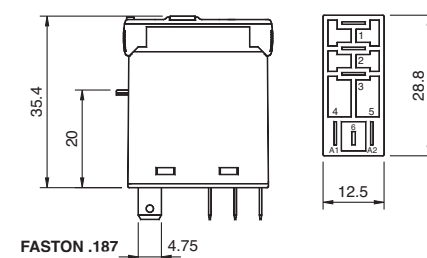
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Ambient temperature operation/storage  | -40 ... 70 °C / -40 ... 80 °C (no ice) |
| Pick-up time/bounce time               | 10 ms / ≤ 1 ms                         |
| Release time/bounce time               | 5 ms / ≤ 3 ms                          |
| Mechanical life ops                    | AC: 10 Mill./DC: 20 Mill.              |
| DC voltage endurance at rated load     | ≥ 100 000 switching cycles             |
| Max. switching frequency at rated load | 1200/h                                 |
| Weight                                 | 21g                                    |

**Product References****V AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)****LED****RC Suppressor**
**C10-A10/AC...V**  
**C10-A10X/AC...V**  
**C10-A10R/AC...V**
**C10-A18/AC...V**  
**C10-A18X/AC...V**  
**C10-A18R/AC...V**
**C10-A15/AC...V**  
**C10-A15X/AC...V**  
**C10-A15R/AC...V**
**V DC 12, 24, 48, 110****LED****Polarity and free wheeling diode**
**C10-A10/DC...V**  
**C10-A10X/DC...V**  
**C10-A10FX/DC...V**
**C10-A18/DC...V**  
**C10-A18X/DC...V**  
**C10-A18FX/DC...V**
**C10-A15/DC...V**  
**C10-A15X/DC...V**  
**C10-A15FX/DC...V**
**V AC/DC bridge rectifier 24 V, 48 V**

Other voltages on request

**C10-A10BX/UC...V****C10-A18BX/UC...V****C10-A15BX/UC...V**

"..." List Coil Voltage to complete Product References

**Accessories**Socket **S10, S10-P****Connection diagram****fig. 1 AC voltage endurance****fig. 2 DC load limit curve****Dimensions (mm)****Technical approvals, conformities**

IEC/EN 61810; IEC/EN 60947

**C10-T1x****1 pole | changeover twin contact | Faston**

|                                         |                  |               |                    |             |
|-----------------------------------------|------------------|---------------|--------------------|-------------|
| <b>Maximum contact load</b>             | <b>6 A/250 V</b> | <b>AC-1</b>   | <b>0.5 A/110 V</b> | <b>DC-1</b> |
|                                         | <b>6 A/30 V</b>  | <b>DC-1</b>   | <b>0.2 A/220 V</b> | <b>DC-1</b> |
| <b>Recommended minimum contact load</b> | <b>5 mA/5 V</b>  | <b>Code 1</b> |                    |             |
|                                         | <b>1 mA/5 V</b>  | <b>Code 3</b> |                    |             |

**Contacts**

|                             |          |        |                 |
|-----------------------------|----------|--------|-----------------|
| Material                    | Standard | Code 1 | AgNi + 0.2 μ Au |
|                             | Optional | Code 3 | AgNi + 5 μ Au   |
| Rated Load                  |          |        | 6 A             |
| Max. inrush current (20 ms) |          |        | 15 A            |
| Switching voltage max       |          |        | 250 V           |
| AC load fig. 1              |          |        | 1.5 kVA         |
| DC load                     |          |        | see fig. 2      |

**Coil**

|                 |                             |
|-----------------|-----------------------------|
| Coil resistance | see table; tolerance ± 10 % |
| Pick-up voltage | ≤ 0.8 × U <sub>N</sub>      |
| Release voltage | ≥ 0.1 × U <sub>N</sub>      |
| Nominal power   | 1.1 VA (AC)/0.7 W (DC)      |

**Coil table**

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**Insulation**

|                                |        |
|--------------------------------|--------|
| Contact open                   | 1000 V |
| Contact/coil                   | 5 kV   |
| Insulation resistance at 500 V | ≥ 1 GΩ |
| Insulation, IEC 61810-1        | 4 kV   |

**Specifications**

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Ambient temperature operation/storage  | -40 ... 70 °C / -40 ... 80 °C (no ice) |
| Pick-up time/bounce time               | 10 ms / ≤ 1 ms                         |
| Release time/bounce time               | 5 ms / ≤ 3 ms                          |
| Mechanical life ops                    | AC: 10 Mill./DC: 20 Mill.              |
| DC voltage endurance at rated load     | ≥ 100 000 switching cycles             |
| Max. switching frequency at rated load | 1200/h                                 |
| Weight                                 | 21 g                                   |

**Product References****V AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)****LED****RC Suppressor****V DC12, 24, 48, 110****LED****Polarity and free wheeling diode****AC/DC bridge rectifier 24 V, 48 V**

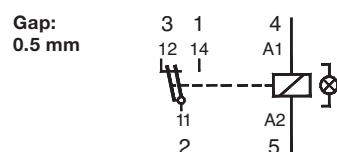
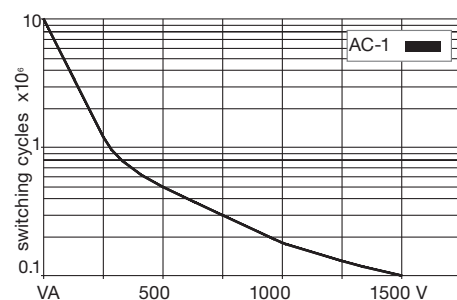
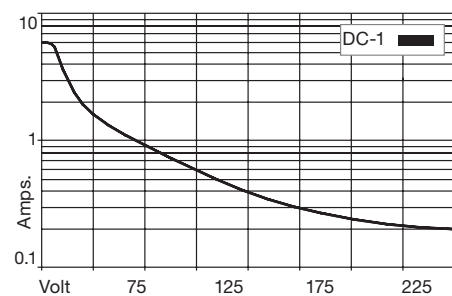
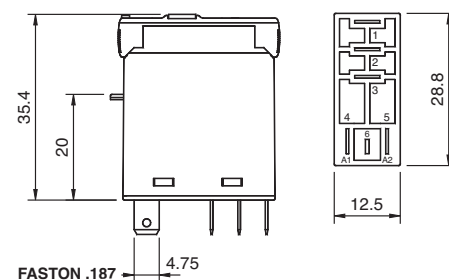
Other voltages on request

**C10-T11/AC ... V**  
**C10-T11X/AC ... V**  
**C10-T11R/AC...V**
**C10-T11/DC ... V**  
**C10-T11X/DC ... V**  
**C10-T11FX/DC ... V**
**C10-T11BX/UC ... V**
**C10-T13/AC ... V**  
**C10-T13X/AC ... V**  
**C10-T13R/AC...V**
**C10-T13/DC ... V**  
**C10-T13X/DC ... V**  
**C10-T13FX/DC ... V**
**C10-T13BX/UC ... V**

"..." List Coil Voltage to complete Product References

**Accessories**

|        |                   |
|--------|-------------------|
| Socket | <b>S10, S10-P</b> |
|--------|-------------------|

**Connection diagram****fig. 1 AC voltage endurance****fig. 2 DC load limit curve****Dimensions (mm)****Technical approvals, conformities**