

| | | | |
|---|---|------------------------|--|
| Type | C10-A1x/ ... V Standard relay, 1 change-over contact Contact Ag Sn O2 to high inrush | | |
| Maximum contact load | 10 A/250 V AC1 | 0,5 A/110 V DC1 | |
| | 10 A/30 V DC1 | 0,2 A/220 V DC1 | |
| | 13 A/250 V AC1 | 5A_{US} | |
| Recommended minimum contact load | 10 mA/10 V Code 0,5 | | |
| | 5 mA/5 V Code 8 | | |

| | | | |
|--------------------------------|----------|--------|-------------------------|
| Contacts | | | |
| Material | Standard | Code 0 | AgNi |
| | Optional | Code 8 | AgNi+ 10 μ Au |
| | Optional | Code 5 | Ag Sn O2 |
| Rated current | | | 10 A |
| Switch-on current max. (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 x U _N |
| Release voltage | ≥ 0,1 x U _N |
| Nominal power | 1,1 VA (AC)/0,7 W (DC) |

| Coil table | | | | | |
|-------------------|--------|-----|-----|--------|------|
| VAC | Ω | mA | VDC | 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 | Volt rms, 1 min |
| Contact open | 1000 V |
| Contact/coil | 5 kV |
| Insulation resistance at 500 V | ≥ 1 GΩ |
| Insulation, IEC 61810-1 | 4 kV/3 |

| | |
|---------------------------------------|--------------------------------------|
| Specifications | |
| Ambient temperature operation/storage | -40 (no ice)...70 °C / -40 ... 80 °C |
| 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 | ≥ 100000 switching cycles |
| Switching frequency at rated load | ≤ 1200/h |
| Protection class | IP40 |
| Weight | 21 g |

| | | | |
|--|-------------------------|-------------------------|-------------------------|
| Standard types | | | |
| VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) | C10-A10/AC...V | C10-A18/AC...V | C10-A15/AC...V |
| LED | C10-A10X/AC...V | C10-A18X/AC...V | C10-A15X/AC...V |
| RC suppressor | C10-A10R/AC...V | C10-A18R/AC...V | C10-A15R/AC...V |
| VDC 12, 24, 48, 110 | C10-A10/DC...V | C10-A18/DC...V | C10-A15/DC...V |
| LED | C10-A10X/DC...V | C10-A18X/DC...V | C10-A15X/DC...V |
| Polarity and free wheeling diode | C10-A10FX/DC...V | C10-A18FX/DC...V | C10-A15FX/DC...V |
| VAC/DC bridge rectifier 24 V, 48 V | C10-A10BX/UC...V | C10-A18BX/UC...V | C10-A15BX/UC...V |

"..." Enter the voltage for full type designation

| | |
|--------------------|--------------------------|
| Accessories | |
| Socket: | S10, S10-M, S10-P |



Connection diagram

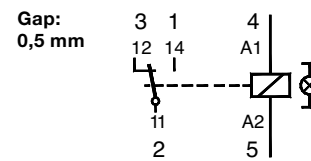


Fig. 1 AC voltage endurance

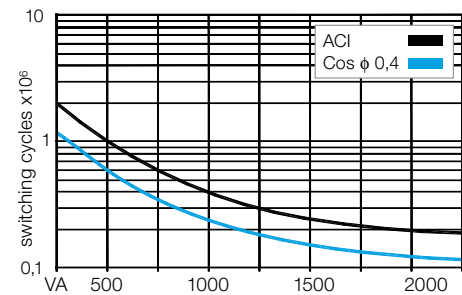
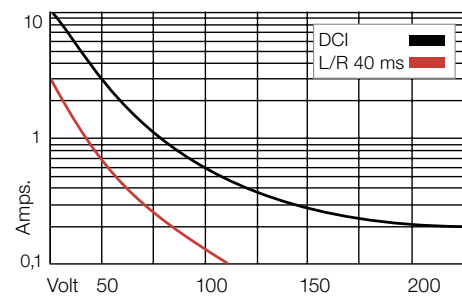
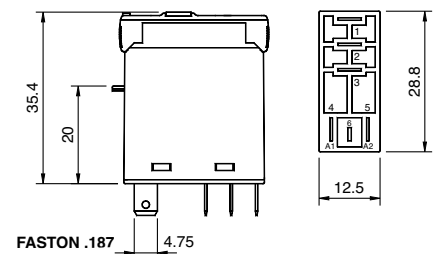


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947