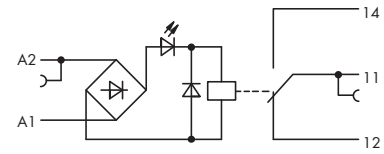
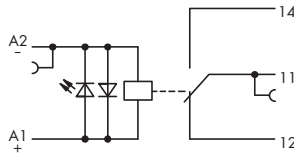
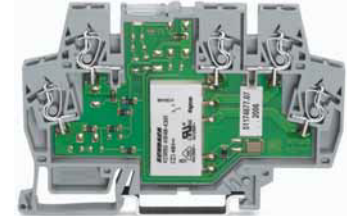
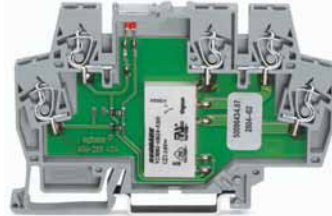
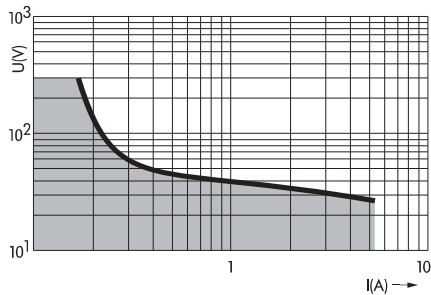


Relay with 1 changeover contact (1 u)
for normal switching power
Nominal input voltage V_N
5 V, 12 V, 24 V, 48 V, 60 V, 110 V, 220 V DC

Relay with 1 changeover contact (1 u)
for normal switching power
Nominal input voltage V_N
12 V, 24 V, 48 V, 115 V, 230 V AC/DC



Note: Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts.

| Description | V_N | I_N | Item No. | Pack. Unit | V_N | I_N | Item No. | Pack. Unit |
|--|----------|--------|----------|------------|-------------|--------|----------|------------|
| Rail-mounted terminal blocks with miniature switching relay, for DIN 35 rail | 5 V DC | 31 mA | 859-302 | 1 | 12 V AC/DC | 15 mA | 859-353 | 1 |
| | 12 V DC | 17 mA | 859-303 | 1 | 24 V AC/DC | 8 mA | 859-354 | 1 |
| | 24 V DC | 10 mA | 859-304 | 1 | 48 V AC/DC | 5.3 mA | 859-355 | 1 |
| | 48 V DC | 6.5 mA | 859-305 | 1 | 115 V AC/DC | 3.5 mA | 859-357 | 1 |
| | 60 V DC | 5.2 mA | 859-306 | 1 | 230 V AC/DC | 3.5 mA | 859-358 | 1 |
| | 120 V DC | 3.5 mA | 859-307 | 1 | | | | |
| | 220 V DC | 3.2 mA | 859-308 | 1 | | | | |
| | | | | | | | | |

Technical Data

Accessories see page 49

Accessories see page 49

| | | |
|---|---|---|
| Contact material | AgSnO ₂ | AgSnO ₂ |
| Input voltage range | V_N -15 % ... +10 % | V_N -15 % ... +10 % |
| Max. switching voltage | 250 V AC | 250 V AC |
| Max. continuous current (terminal blocks in a row) | 5 A | 5 A |
| Max. Switching power (resistive) | 1250 VA AC ; DC see load limit curve | 1250 VA AC ; DC see load limit curve |
| Recommended minimum load | ≥ 100 mA / 12 V AC/DC | ≥ 100 mA / 12 V AC/DC |
| Max. switching rate with / without load | 6 min ⁻¹ / 20 s ⁻¹ | 6 min ⁻¹ / 20 s ⁻¹ |
| Operating power | < 320 mW | < 300 mW |
| Pull-in/drop-out/bounce time typ. | 5 ms / 6 ms / 5 ms | 5 ms / 6 ms / 5 ms |
| Nominal operating mode | continuous duty | continuous duty |
| Dielectric strength contact-coil | 4 kV | 4 kV |
| Dielectric strength contact-coil (1.2/50 μs) | 6 kV | 6 kV |
| Surge capacity open contact | 1 kV | 1 kV |
| Nominal voltage acc. to VDE 0110 Part 1/4.97, IEC 60664-1 | 250 V / 4 kV / 3 | 250 V / 4 kV / 3 |
| Mechanical life | 5 × 10 ⁶ switching operations | 5 × 10 ⁶ switching operations |
| Mechanical life at max. load (resistance) | 3 × 10 ⁵ switching operations | 3 × 10 ⁴ switching operations |
| Ambient operating temperature (V_N) | -25 °C ... +50 °C | -25 °C ... +50 °C |
| Ambient operating temperature (1.2 × V_N) | -25 °C ... +40 °C | -25 °C ... +40 °C |
| Storage temperature | -40 °C ... +70 °C | -40 °C ... +70 °C |
| Dimensions (mm) W x H x L | 6 x 56 x 91 | 6 x 56 x 91 |
| | Height from upper-edge of DIN 35 rail | Height from upper-edge of DIN 35 rail |
| Wire connection | CAGE CLAMP® | CAGE CLAMP® |
| Cross sections | 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14 | 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14 |
| Stripped lengths | 5 ... 6 mm / 0.22 in | 5 ... 6 mm / 0.22 in |
| Approvals | VDE 0110 / EN 60664; VDE 0435 / EN 61810-5; UL 508; EEx nC II T4 / DEMKO 02 ATEX 132280U; © | VDE 0110 / EN 60664; VDE 0435 / EN 61810-5; UL 508; EEx nC II T4 / DEMKO 02 ATEX 132280U; © |