

Relay Package SNR

- Relay package consisting of DIN-rail socket and relay
- 1 CO with 6 A rated load
- Module width only 6.2 mm
- Reduced system width for increased packing density on the DIN rail

Approvals

Relay: VDE Cert. No. 40010063, cULus E214025, cCSAus 2148326

Socket: VDE Cert. No. 40010063, cULus E224918

Technical data of approved types on request

For contact ratings see datasheet Slim interface Relay SNR

Contact Data

| | | |
|---|----------------------------|-----------------------------------|
| Contact configuration | 1 CO | |
| Contact set | single contact | |
| Type of interruption | micro disconnection | |
| Rated voltage/max. switching voltage AC | 240/400 VAC | |
| Rated current | 6A | |
| Maximum breaking capacity AC | 1500 VA | |
| Limiting breaking capacity, max. 4 s, duty factor 10% | 10A | |
| Contact material | AgSnO ₂ | AgSnO ₂ gold plated |
| Minimum contact load | 100mA, 12V | 50mW |
| Rated frequency of operation with/without load | 6 / 1200 min ⁻¹ | |
| Operate/release time | max 12 / 5 ms | |
| Bounce time NO/NC contact | max 3 / 8 ms | |

Contact ratings

For contact ratings see datasheet Slim interface Relay SNR

Input data

| | |
|------------------------------|--------------------------------|
| Rated input voltage DC | 12, 24 VDC, 115, 230 VAC/VDC*) |
| Operative range to IEC 61810 | 2 |

*) Version 115, 230 VAC/VDC equipped with 60 VDC relay

Coil versions, DC coil

| Coil code | Rated voltage VDC | Operate voltage VDC | Release voltage VDC | Coil resistance Ω±10% | Rated coil power mW |
|-----------|-------------------|---------------------|---------------------|-----------------------|---------------------|
| LB2 | 12 | 8.4 | 0.6 | 848 | 184 |
| LC4 | 24 | 16.8 | 1.2 | 3390 | 220 |

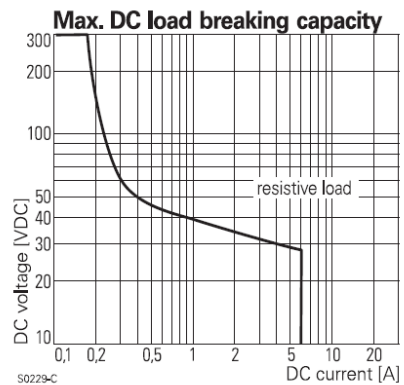
Coil versions, AC coil 50 Hz

| Coil code | Rated voltage VAC | Operate voltage 50 Hz VAC | Release voltage 50 Hz VAC | Coil resistance Ω | Rated coil power 50 Hz mVA |
|-----------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|
| SM5 | 115 | 82.0 | 9.0 | not applicable | 403 |
| TP0 | 230 | 160.0 | 15.0 | not applicable | 736 |

Other coil voltages on request.



F0260-BS



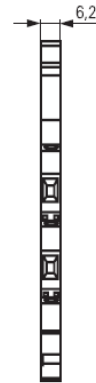
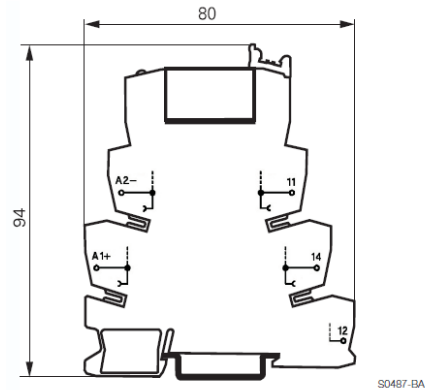
Insulation

| | |
|---|------------------------------|
| Dielectric strength | |
| coil-contact circuit | 4000V _{rms} |
| open contact circuit | 1000V _{rms} |
| Clearance /creepage coil-contact circuit | |
| | ≥ 6 / 8 mm |
| Material group of insulation parts | |
| | IIIa |
| Insulation to IEC 60664-1 | |
| Type of insulation coil-contact circuit | reinforced |
| open contact circuit | micro disconnection |
| Rated insulation voltage | |
| | 250 V |
| Pollution degree | |
| | 3 2 |
| Rated voltage system | |
| | 240 V 230 / 400 V |
| Overvoltage category | |
| | III |

Relay Package SNR (Continued)

Other Data

| | |
|---|----------------------------------|
| Mechanical endurance | 10x10 ⁶ cycles |
| Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter | |
| Environment | |
| Ambient temperature range | -40...+55°C |
| Processing | |
| Terminals | screw |
| Terminal screw torque acc. IEC 61984 | 0.5 Nm |
| max. | 0.6 Nm |
| Wire cross section | |
| single wire | 0.14...2.5 mm ² |
| fine wire | 0.14...2.5 mm ² |
| with bootlace crimp (DIN 46228/1) | 0.14...2.5 mm ² |
| Insertion cycles | A (10) |
| Max. Insertion Force total | 100 N |
| Mounting distance | ≥ 0 mm, dense packing of sockets |
| Weight | 32 g |
| Packaging unit | 10 pcs |



Version with screw terminals

Accessories

For accessories see datasheet [Accessories Slim Interface Relay SNR](#)

Product code structure

Typical product code **ST 3P 3 TP0**

| | | | | |
|-------------------------|--|------------|-----------------|-----------------|
| Type | ST Relay Package SNR | | | |
| Version | 3P Relay set, SNR 1-pole CO (1 form C), 6 A, screw terminals | | | |
| Contact material | 2 AgSnO ₂ , gold plated 3 AgSnO ₂ | | | |
| Coil | LB2 12 VDC | LC4 24 VDC | SM5 115 VDC/VAC | TP0 230 VDC/VAC |

| Product code | Socket | Terminals | Relay | Contacts | Coil | Part Number |
|--------------|---------|-----------|-------------------|-----------------------------|------------|-------------|
| ST3P2LC4 | ST3FLC4 | screw | V23092-S1024-A201 | AgSnO ₂ gold pl. | 24VDC | 3-1416100-0 |
| ST3P3LB2 | | | V23092-S1012-A301 | AgSnO ₂ | 12VDC | 3-1416100-1 |
| ST3P3LC4 | | | V23092-S1024-A301 | | 24VDC | 3-1416100-2 |
| ST3P3SM5 | ST3FSM5 | | V23092-S1060-A301 | | 115VDC/VAC | 3-1416100-3 |
| ST3P3TP0 | ST3FTPO | | | | 230VDC/VAC | 3-1416100-4 |

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