

## 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

### 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	6 A
Maximum breaking capacity AC	1500 VA
Limiting breaking capacity, max. 4 s, duty factor 10%	10 A
Contact material	AgSnO <sub>2</sub> AgSnO <sub>2</sub> gold plated
Minimum contact load	100mA, 12V 50mW
Rated frequency of operation with/without load	6 / 1200 min <sup>-1</sup>
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

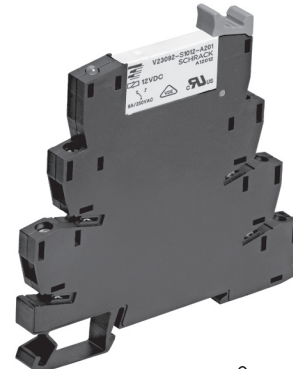
### Coil versions, DC coil

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

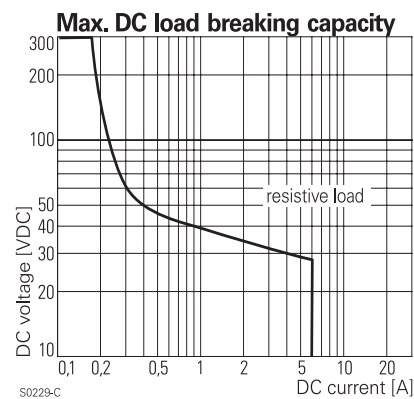
### Coil versions, AC coil 50 Hz

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	4000 V <sub>rms</sub>
open contact circuit	1000 V <sub>rms</sub>
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

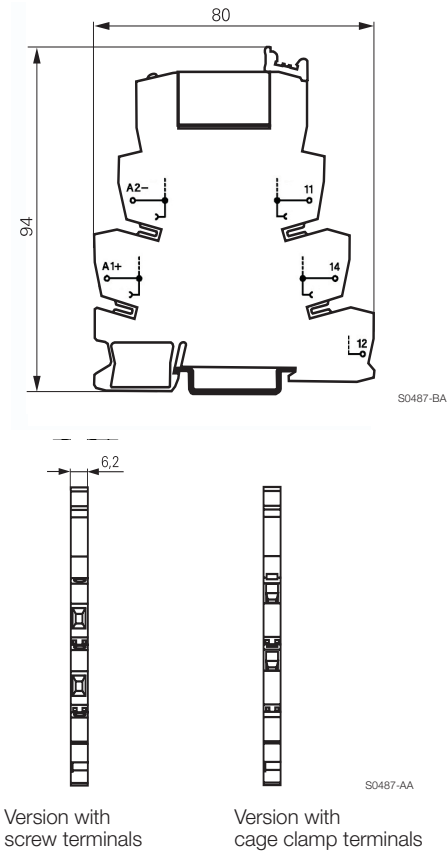
**Relay Package SNR** (Continued)

**Other data**

Mechanical endurance	10x10 <sup>6</sup> cycles
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at <a href="http://www.te.com/customer-support/rohssupportcenter">www.te.com/customer-support/rohssupportcenter</a>	
Environment	
Ambient temperature range	-40...+55°C
Processing	
Terminals	screw / cage clamp
Terminal screw torque acc. IEC 61984	0.5 Nm
max.	0.6 Nm
Wire cross section	
single wire	0.14...2.5 mm <sup>2</sup>
fine wire	0.14...2.5 mm <sup>2</sup>
with bootlace crimp (DIN 46228/1)	0.14...2.5 mm <sup>2</sup>
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

**Accessories**

For accessories see datasheet Accessories Slim Interface Relay SNR



**Product code structure**

Typical product code **ST** **4P** **3** **TP0**

**Type**

**ST** Relay Package SNR

**Version**

**3P** Relay set, SNR 1-pole CO (1 form C), 6 A, screw terminals  
**4P** Relay set, SNR 1-pole CO (1 form C), 6 A, cage clamp terminals

**Contact material**

**2** AgSnO<sub>2</sub>, gold plated **3** AgSnO<sub>2</sub>

**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 <sub>2</sub> gold pl.	24VDC	3-1416100-0
ST3P3LB2			V23092-S1012-A301	AgSnO <sub>2</sub>	12VDC	3-1416100-1
ST3P3LC4			V23092-S1024-A301		24VDC	3-1416100-2
ST3P3SM5	ST3FSM5		V23092-S1060-A301		115VDC/VAC	3-1416100-3
ST3P3TP0	ST3FTP0				230VDC/VAC	3-1416100-4
ST4P2LC4	ST4FLC4	cage clamp	V23092-S1024-A201	AgSnO <sub>2</sub> gold pl.	24VDC	3-1416100-5
ST4P3LB2			V23092-S1012-A301	AgSnO <sub>2</sub>	12VDC	3-1416100-6
ST4P3LC4			V23092-S1024-A301		24VDC	3-1416100-7
ST4P3SM5	ST4FSM5		V23092-S1060-A301		115VDC/VAC	3-1416100-8
ST4P3TP0	ST4FTP0				230VDC/VAC	3-1416100-9

Other types on request

# Mouser Electronics

Authorized Distributor

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[ST3P3LB2](#)