

**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

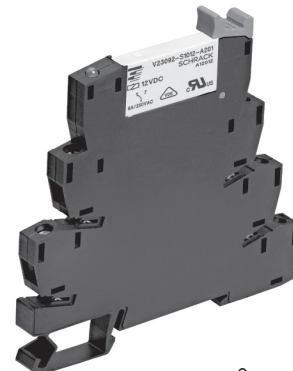
**Coil versions, DC coil**

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

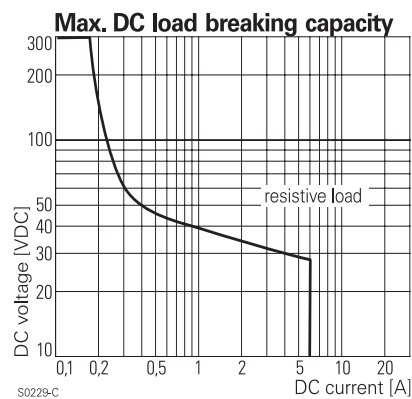
**Coil versions, AC coil 50 Hz**

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
TPO	230	160.0	15.0	not applicable	736

Other coil voltages on request.



F0260-BS



S0229-C

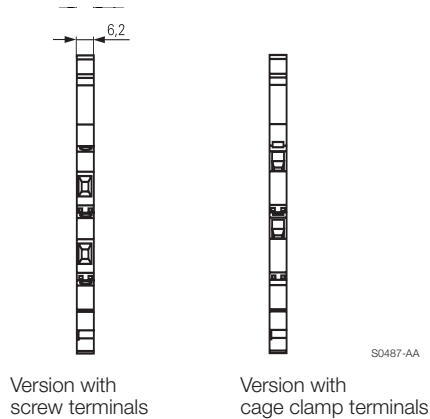
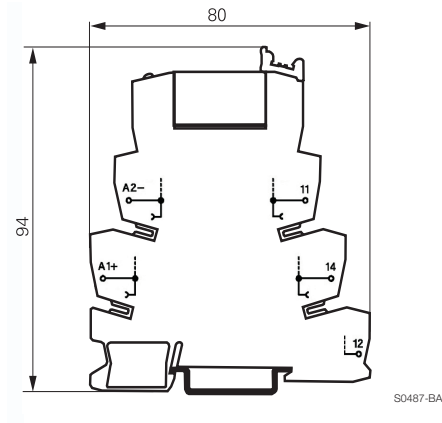
**Insulation**

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/customersupport/rohssupportcenter">www.te.com/customersupport/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