

## 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 <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

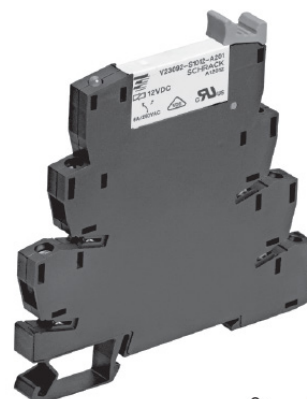
### Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance $\Omega \pm 10\%$	Rated coil power mW
LB2	12	8.4	0.6	848	184
LC4	24	16.8	1.2	3390	220

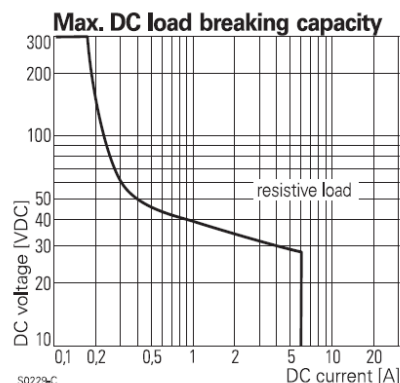
### Coil versions, AC coil 50 Hz

Coil code	Rated voltage VAC	Operate voltage 50 Hz VAC	Release voltage 50 Hz VAC	Coil resistance $\Omega$	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 <sub>rms</sub>	
open contact circuit	1000V <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	

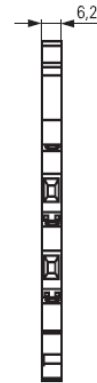
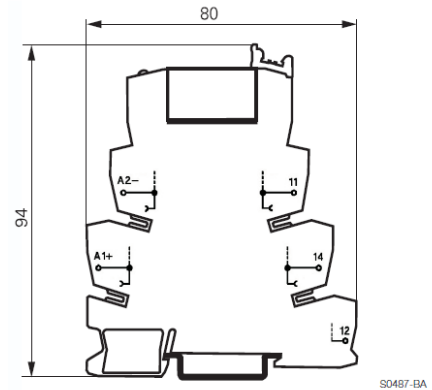
**Relay Package SNR** (Continued)

**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
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](#)



Version with screw terminals

**Product code structure**

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

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