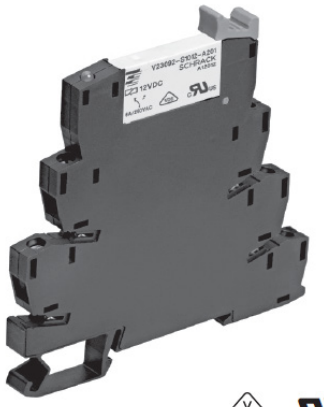
Relay Package SNR

- **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

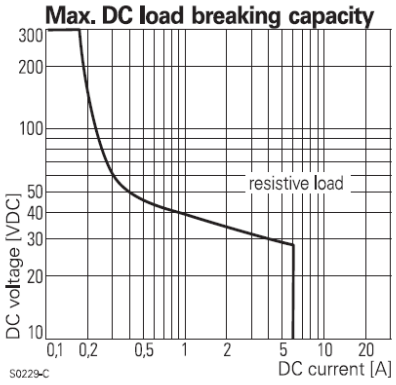
For contact ratings see datasheet Slim interface Relay SNR

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.

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	

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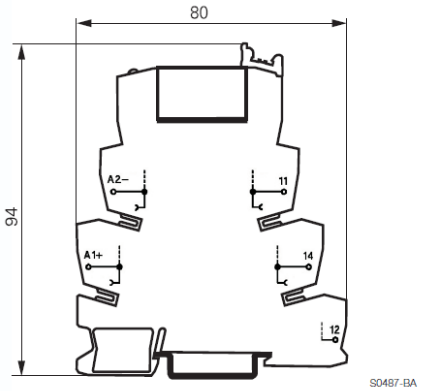
Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change.

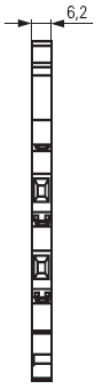
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Relay Package SNR (Continued)

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

Accessories	
For accessories see datasheet	Accessories Slim Interface Relay SNR





Version with screw terminals

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	ST3FTP0				230VDC/VAC	3-1416100-4

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