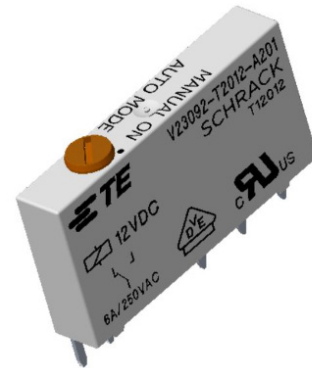


**Slimline PCB Relay SNR with manual actuator**

- 1 pole 6A, 1 form C (CO)
- Only 5mm wide
- Sensitive coil 170mW
- Reinforced insulation (protection classII)
- Strong coil pins for DIN-rail socket
- Allows high function- / packaging density
- Cadmium-free contacts
- Version with manual actuator

Typical applications  
Interface technology, PLC's, timers, centralized and decentralized heating control



**Approvals**

VDE Cert. No. 40010063, UL E214025  
Technical data of approved types on request

**Contact Data**

Contact arrangement	1 form C (CO)	
Rated voltage	250VAC	
Max. switching voltage	400VAC	
Rated current	6A	
Limiting making current, max 4s, df 10%	10A	
Breaking capacity max.	1500VA	
Contact material	AgSnO <sub>2</sub> ,	AgSnO <sub>2</sub> gold plated
Min. recommended contact load	100mA, 12V	50mW
Frequency of operation, with/without load	6/1200min <sup>-1</sup>	
Operate/release time max.	12/5ms	
Bounce time max., form A/form B	3/8ms	

**Contact ratings**

Type	Contact	Load	Cycles
<b>IEC 61810</b>			
V23092-****-A301	C (CO)	6A, 250VAC, cosφ=1, 85°C	2,5x10 <sup>3</sup>
<b>UL 61810-1 (UL508)</b>			
V23092-****-A301	A/B	6A, 250VAC, general purpose, 85°C	6x10 <sup>3</sup>
V23092-****-A301	A/B (NO)	B300, 85°C	6x10 <sup>3</sup>
V23092-****-A301	A/B	R300, 85°C	6x10 <sup>3</sup>
Mechanical endurance, DC coil	10x10 <sup>6</sup> operations		

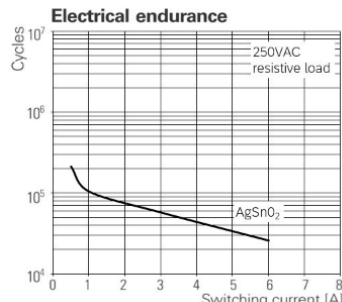
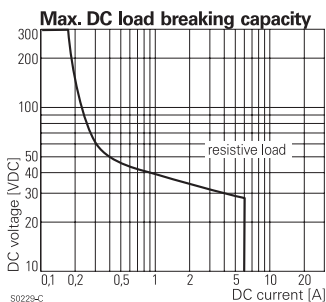
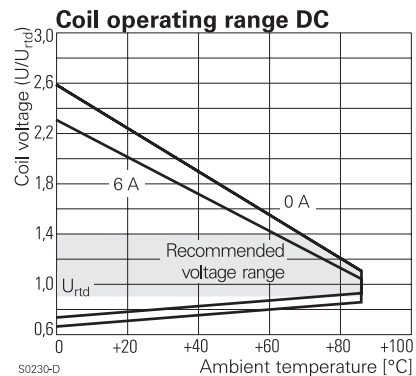
**Coil Data**

Coil voltage range	12 to 60VDC
Operative range, IEC 61810	2

**Coil versions, DC coil**

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10% <sup>1)</sup>	Rated coil power mW
012	12	8.4	0.6	848	170
024	24	16.8	1.2	3390	170
060	60	42.0	3.0	20500 <sup>1)</sup>	176

1) Coil resistance ±15%.  
All figures are given for coil without pre-energization, at ambient temperature +23°C.  
Other coil voltages on request.

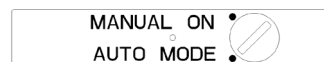


**Insulation Data**

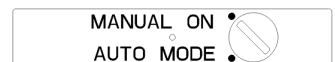
Initial dielectric strength	
between open contacts	1000V <sub>rms</sub>
between contact and coil	4000V <sub>rms</sub>
Clearance/creepage	
between contact and coil	≥6/8mm
Material group of insulation parts	IIIa
Tracking index of relay base	PTI250

**Function of manual actuator**

Mode is selected by rotating orange switch. Groove on the top show selected mode.



**Auto mode:**  
Relay works in standard way



**Manual ON:**  
Relay is manually switch ON without coil voltage

**Slimline PCB Relay SNR with manual actuator** (Continued)

**Other Data**

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at [www.te.com/customersupport/rohssupportcenter](http://www.te.com/customersupport/rohssupportcenter)

Ambient temperature	-40 to +85°C
Category of environmental protection IEC 61810	RTII flux proof
Vibration resistance (functional), form A (NO) / form B (NC)	10/5g
Shock resistance (functional), form A (NO) / form B (NC)	10/5g
Shock resistance (destructive)	30g
Terminal type	plug-in socket
Mounting	socket
Weight	6g
Resistance to soldering heat THT IEC 60068-2-20	260°C/5s
Packaging unit	tube/20 pcs., box/1000 pcs.
initial status at delivery: auto mode	

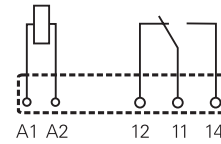
**Accessories**

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

**PCB layout / terminal assignment**

Bottom view on solder pins

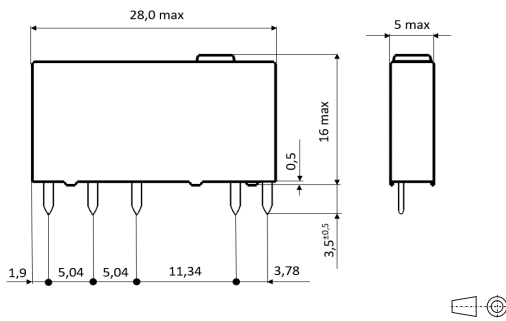
1 form C contact (1 CO)



S0258-AB

**Dimensions**

Version for DIN-rail socket



**Slimline PCB Relay SNR with manual actuator** (Continued)

<b>Product code structure</b>	Typical product code	<b>V23092</b>	<b>-A</b>	<b>1</b>	<b>005</b>	<b>-A</b>	<b>3</b>	<b>01</b>
<b>Type</b>	<b>V23092</b> Slimline PCB relay SNR							
<b>Version</b>	<b>T</b> Plug-in, vertical version with manual actuator							
<b>Version</b>	<b>2</b> Flux proof							
<b>Coil</b>	Coil code: please refer to coil versions table							
<b>Contact system</b>	<b>A</b> Standard							
<b>Contact material</b>	<b>2</b> AgSnO <sub>2</sub> , gold plated			<b>3</b> AgSnO <sub>2</sub>				
<b>Contact configuration</b>	<b>01</b> 1 form C contact (1 CO)							

Product code	Version	Contact arrangement	Contact material	Coil	Part number
V23092-T2012-A301	Plug-in, vertical version with manual actuator	1 form C (CO) contact	AgSnO <sub>2</sub>	12VDC	3-1956027-0
V23092-T2012-A201	Plug-in, vertical version with manual actuator	1 form C (CO) contact	AgSnO <sub>2</sub> , goldplated	12VDC	3-1956027-1
V23092-T2024-A301	Plug-in, vertical version with manual actuator	1 form C (CO) contact	AgSnO <sub>2</sub>	24VDC	3-1956027-2
V23092-T2024-A201	Plug-in, vertical version with manual actuator	1 form C (CO) contact	AgSnO <sub>2</sub> , goldplated	24VDC	3-1956027-3
V23092-T2060-A301	Plug-in, vertical version with manual actuator	1 form C (CO) contact	AgSnO <sub>2</sub>	60VDC	3-1956027-4
V23092-T2060-A201	Plug-in, vertical version with manual actuator	1 form C (CO) contact	AgSnO <sub>2</sub> , goldplated	60VDC	3-1956027-5