

# Slim Interface Relay SNR

1pole 6 A

F0222-B



## Features

- Module width 5.08 mm
- Cadmium-free contacts
- Sensitive coil 170 mW
- 4 kV coil-contact, 6 / 8 mm clearance/creepage
- Protection class II (VDE 0601)
- Reduced system width for increased packing density on the DIN rail
- Jumper bar

## Applications

Interface technology, panel boards, mechanical engineering, process control



Technical data of approved types on request

## Contact data

Configuration	1 C/O contact
Type of contact	single contact
Rated current	6 A
Rated voltage / max. breaking voltage AC	250 Vac / 440 Vac
Maximum breaking capacity AC	1500 VA
Contact material	AgSnO <sub>2</sub> AgSnO <sub>2</sub> gold plated
Minimum contact load	≥100 mA, 12V ≥10 mA, 5 V

## Coil data

Nominal voltage	5...48 Vdc
Nominal coil power	170 mW
Operate power	75 mW
Operate category	2 / b

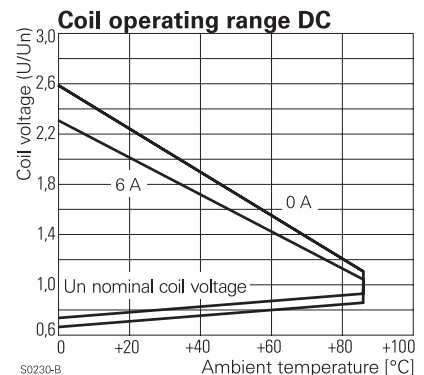
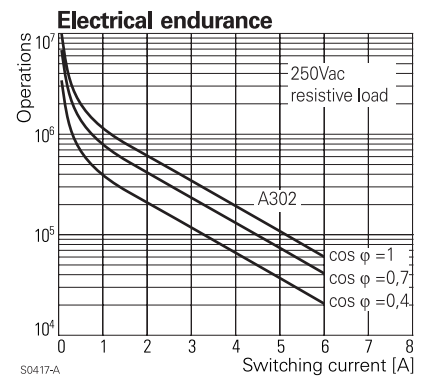
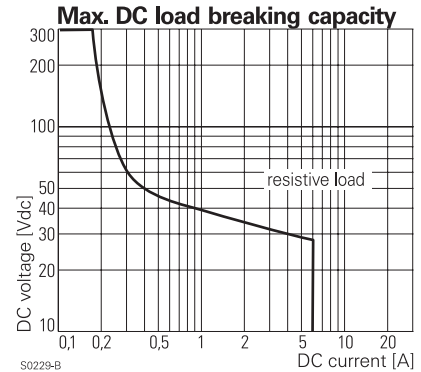
## Coil versions

Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance Ω	Coil current mA
005	5	3.5	0.25	11.2	147±10%	34.0
012	12	8.4	0.6	26.8	848±10%	14.2
024	24	16.8	1.2	53.7	3390±10%	7.1
048	48	33.6	2.4	100.0	10600±15%	4.5
060	60	42.0	3.0	125.0	20500±15%	2.9

All figures are given for coil without preenergization, at ambient temperature +20°C  
Other coil voltages on request

## Insulation

Dielectric strength	coil-contacts	4000 V <sub>rms</sub>
	open contact circuit	1000 V <sub>rms</sub>
Surge voltage resistance coil-contacts		6000 V (1.2 / 50 μs)
Clearance / creepage		6 / 8 mm
Insulation to IEC 60664		
Voltage rating		250 V
Pollution degree		2
Overvoltage category		III
Insulation to VDE 0110b (2/79)		
Insulation category / reference voltage		C / 250
Tracking resistance of relay base		CTI 250



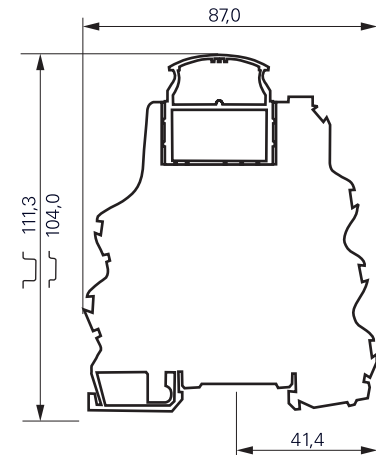
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Other data	
Flammability class according to UL 94	V-0
Ambient temperature relay	-40...+85 °C
package	-20...+55 °C
Mechanical life	10x10 <sup>6</sup> operations
Max. switching rate at rated- / minimum load	6 min <sup>-1</sup> / 1200 min <sup>-1</sup>
Operate- / release time	5 / 2.5 ms
Bounce time N/O contact/N/C contact	1.5 / 5 ms
Category of protection (IEC 61810)	RT III
Relay weight	6 g
Packaging unit relay	20 pcs.
package	10 pcs.
Accessories	see accessories SNR

## Dimensions

Dimensions in mm



S0404-A

## Product key

**V 2 3 0 9 2 - A 1 - A 0 1**

Type

Coil

Coil code: please refer to coil versions table

Contact material

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

Contact configuration

**01** 1 C/O contact

Other types on request

Product key	Version	Contacts	Cont. material	Coil	Part number
V23092-A1005-A201	plug-in	1 C/O contact	AgSnO, gold plated	5 Vdc	0-1393236-1
V23092-A1005-A301	vertical version		AgSnO		0-1393236-2
V23092-A1012-A201	wash tight		AgSnO, gold plated	12 Vdc	0-1393236-4
V23092-A1012-A301			AgSnO		0-1393236-7
V23092-A1024-A201			AgSnO, gold plated	24 Vdc	2-1393236-1
V23092-A1024-A301			AgSnO		2-1393236-4
V23092-A1048-A201			AgSnO, gold plated	48 Vdc	3-1393236-5
V23092-A1048-A301			AgSnO		3-1393236-7

## Available sets

Set consisting of: relay in mounting frame, mounted on socket

Product code	Part Number
<b>ST 1P3 024</b> 24 Vdc, AgSnO <sub>2</sub> contacts	3-1415024-1
<b>ST 1P3 L12</b> 12 Vdc, with LED, AgSnO <sub>2</sub> contacts	2-1415025-1
<b>ST 1P3 L24</b> 24 Vdc, with LED, AgSnO <sub>2</sub> contacts	3-1415025-1
<b>ST 1P3 L48</b> 48 Vdc, with LED, AgSnO <sub>2</sub> contacts	4-1415025-1
<b>ST 1P2 L24</b> 24 Vdc, with LED, AgSnO <sub>2</sub> gold plated contacts	6-1415025-1