

**Slim Interface Relay SNR**

- 1 pole 6 A, 1 CO contact
- Sensitive coil 170 mW
- 4 kV coil-contact, 6 / 8 mm clearance/creepage
- Reinforced insulation (protection class II, VDE 0601)
- Reduced system width for increased packing density on the DIN rail
- RoHS compliant (Directive 2002/95/EC) as per product date code 0404



F0270-A

**Applications**

Interface technology, panel boards, mechanical engineering, process control

**Approvals**

VDE REG.-Nr. 6666, **us** E214024  
Technical data of approved types on request

**Contact data**

Contact configuration	1CO	
Contact set	single contact	
Type of interruption	micro disconnection	
Rated current	6 A	
Rated voltage / max.switching voltage AC	240/400 VAC	
Maximum breaking capacity AC	1500 VA	
Limiting making 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
Mechanical endurance	10x10 <sup>6</sup> cycles	
Rated frequency of operation with / without load	6 / 1200 min <sup>-1</sup>	

**Contact ratings**

Type	Load	Cycles
V23092-****-A302	3(1.5) A, 250 VAC, 85°C, 1 mm mounting distance, 6 cycles / min, EN60730-1	100x10 <sup>3</sup>
V23092-****-A302	5(1.5) A, 250 VAC, 85°C, 0.5 mm mounting distance, 6 cycles / min, EN60730-1	10x10 <sup>3</sup>
V23092-	Pilot Duty R300 28 VDC, 85°C, 6000 cycles, UL508	
V23092-	Pilot Duty B300 240 VAC, 85°C, 6000 cycles, UL508	

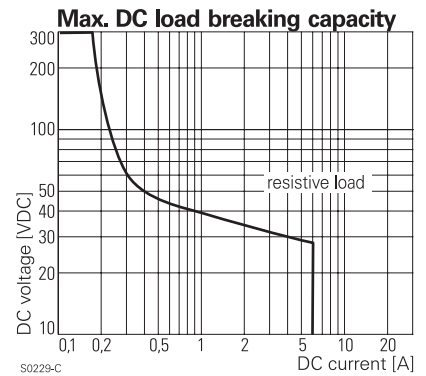
**Coil data**

Rated coil voltage range DC coil	5...60 VDC
Coil power DC coil	typ. 170 mW
Operative range	2

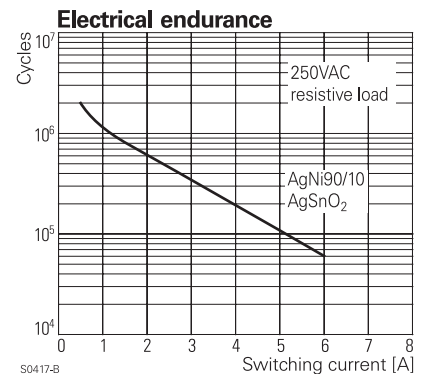
**Coil versions, DC-coil**

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
005	5	3.5	0.25	147±10%	170
012	12	8.4	0.6	848±10%	170
024	24	16.8	1.2	3390±10%	170
048	48	33.6	2.4	10600±15%	217
060	60	42.0	3.0	20500±15%	176

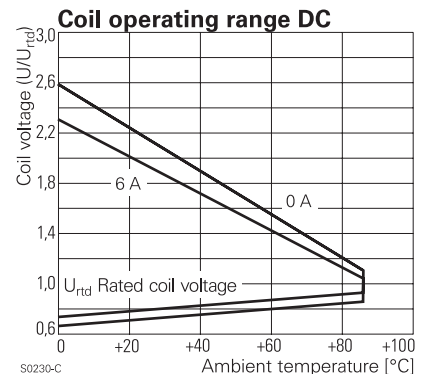
All figures are given for coil without preenergization, at ambient temperature +23°C  
Other coil voltages on request



S0229-C



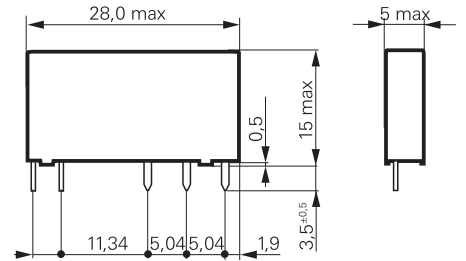
S0417-B



S0230-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
Tracking index of relay base	PTI 250
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	reinforced
open contact circuit	functional
Rated insulation voltage	250 V
Pollution degree	3
Rated voltage system	230 V
Overvoltage category	III

**Dimensions**



S0283-A



Other data	
RoHS - Directive 2002/95/EC	compliant as per product date code 0404
Flammability class according to UL94	V-0
Ambient temperature range	-40...+85°C
Operate- / release time	5 / 2,5 ms
Bounce time NO / NC contact	1,5 / 5 ms
Vibration resistance (function) NO / NC contact	10 / 5 g
Shock resistance (function) NO / NC contact	10 / 5 g
Shock resistance (destruction)	30 g
Category of protection	RTIII - wash tight
Mounting distance	0 mm, dense packing
Relay weight	6 g
Packaging unit	20 / 1000 pcs

Accessories	
For details see datasheet	Accessories Slim Interface Relay SNR

Relay Packages	
Complete packages consisting of a relay mounted on a socket see Relay Package SNR	

Referencias Electrónica Embajadores:		
5vdc:	V23092A-1005-A301:	RL4A205
12vdc:	V23092A-1012-A301:	RL4A212
24vdc:	V23092A-1024-A301:	RL4A224
60vdc:	V23092A-1060-A301:	RL4A260

Product key	V 2 3 0 9 2 - A 1 - A									
Type										
Version	A1 standard, wash tight									
Coil	Coil code: please refer to coil versions table									
Contact system	A standard									
Contact material	2 AgSnO <sub>2</sub> , gold plated      3 AgSnO <sub>2</sub>									
Contact configuration	01 1 CO contact									
Other types on request										

Product key	Version	Contacts	Cont. material	Coil	Part number
V23092-A1005-A201	plug-in	1 CO contact	AgSnO <sub>2</sub> , gold plated	5 VDC	0-1393236-1
V23092-A1005-A301	vertical version		AgSnO <sub>2</sub>		0-1393236-2
V23092-A1012-A201	washable		AgSnO <sub>2</sub> , gold plated	12 VDC	0-1393236-4
V23092-A1012-A301			AgSnO <sub>2</sub>		0-1393236-7
V23092-A1024-A201			AgSnO <sub>2</sub> , gold plated	24 VDC	2-1393236-1
V23092-A1024-A301			AgSnO <sub>2</sub>		2-1393236-4
V23092-A1048-A201			AgSnO <sub>2</sub> , gold plated	48 VDC	3-1393236-5
V23092-A1048-A301			AgSnO <sub>2</sub>		3-1393236-7
V23092-A1060-A201			AgSnO <sub>2</sub> , gold plated	60 VDC	4-1393236-2
V23092-A1060-A301			AgSnO <sub>2</sub>		4-1393236-3