

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

Applications

Interface technology, panel boards, mechanical engineering, process control



F0270-A

Approvals

VDE REG.-Nr. 6666, **CE** **UL** **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 ₂ AgSnO ₂ gold plated
Minimum contact load	100mA, 12V 50mW
Mechanical endurance	10x10 ⁶ cycles
Rated frequency of operation with / without load	6 / 1200 min ⁻¹

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 ³
V23092-****-A302	5(1.5) A, 250 VAC, 85°C, 0.5 mm mounting distance, 6 cycles / min, EN60730-1	10x10 ³
V23092-****-A802		
V23092-	Pilot Duty R300 28 VDC, 85°C, 6000 cycles, UL508	
V23092-	Pilot Duty B300 240 VAC, 85°C, 6000 cycles, UL508	

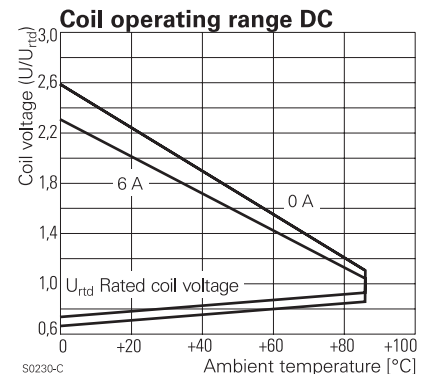
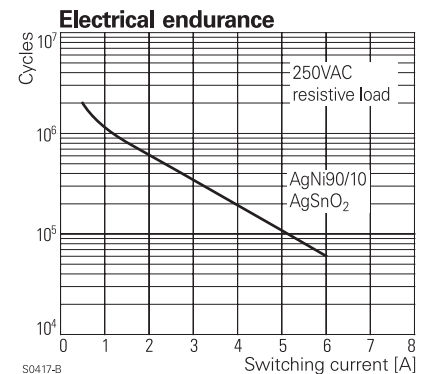
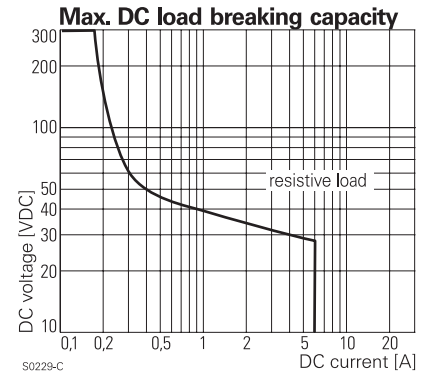
Coil data

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



Slim Interface Relay SNR (Continued)

Insulation

Dielectric strength coil-contact circuit	4000 V _{rms}
open contact circuit	1000 V _{rms}
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

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

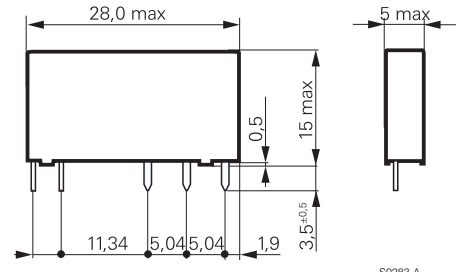
Accessories

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

Dimensions



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 AgSnO₂, gold plated **3** AgSnO₂

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 ₂ , gold plated	5 VDC	0-1393236-1
V23092-A1005-A301	vertical version		AgSnO ₂		0-1393236-2
V23092-A1012-A201	washable		AgSnO ₂ , gold plated	12 VDC	0-1393236-4
V23092-A1012-A301			AgSnO ₂		0-1393236-7
V23092-A1024-A201			AgSnO ₂ , gold plated	24 VDC	2-1393236-1
V23092-A1024-A301			AgSnO ₂		2-1393236-4
V23092-A1048-A201			AgSnO ₂ , gold plated	48 VDC	3-1393236-5
V23092-A1048-A301			AgSnO ₂		3-1393236-7
V23092-A1060-A201			AgSnO ₂ , gold plated	60 VDC	4-1393236-2
V23092-A1060-A301			AgSnO ₂		4-1393236-3