

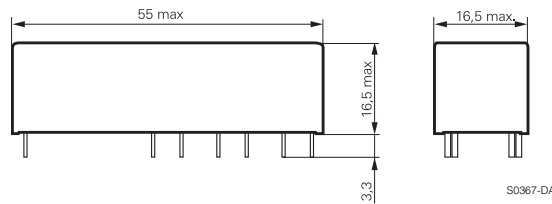
Insulation	
Insulation resistance coil-contact circuit	> 100x10 ⁶ Ohm
Dielectric strength coil-contact circuit	4000 V _{rms}
open contact circuit	1500 V _{rms}
adjacent contact circuits	3000 V _{rms}
Clearance / creepage coil-contact circuit	≥ 5.5 / 5.5 mm
adjacent contact circuits	≥ 5.5 / 5.5 mm
Material group of insulation parts	≥ IIIa
Tracking index of relay base	PTI 250
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
adjacent contact circuits	basic
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230/400 V
Overvoltage category	III
Insulation to EN 50178	
Type of insulation coil-contact circuit	reinforced
adjacent contact circuits	reinforced

Other data	
RoHS - Directive 2002/95/EC	compliant
Ambient temperature range	-25...+70°C
Vibration resistance (function) NO / NC contact	> 10 / 2.5 g, 10...200 Hz
Shock resistance (function) NO / NC contact	> 10 / 2.5 g, 16 ms half sine
Category of protection	RT III ¹⁾
Resistance to soldering heat	260°C / 5 s
Relay weight	30 g
Packaging unit	10 pcs

¹⁾ please contact technical support for washing parameters

Accessories	
PCB socket and hold down clip	contact technical support

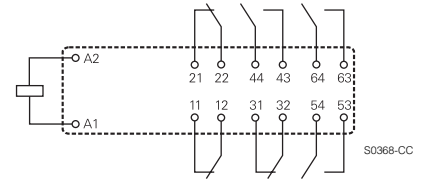
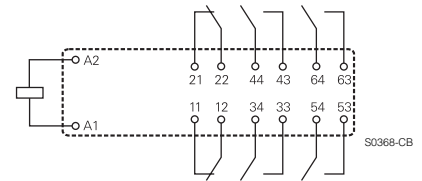
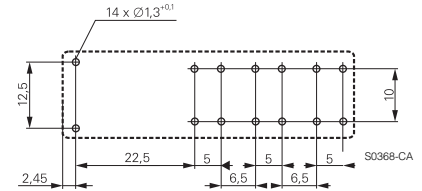
Dimensions



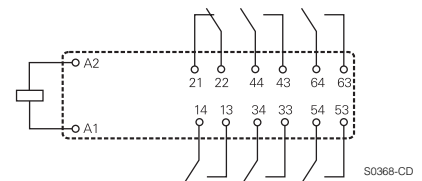
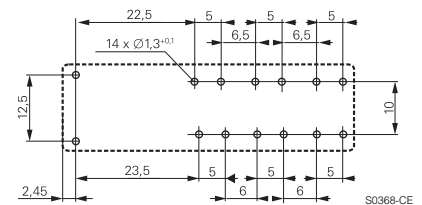
PCB layout / terminal assignment

Bottom view

4 NO+2 NC and 3 NO+3 NC versions



5 NO + 1 NC version



Product key

Type

Contact configuration

- A** 3 NO + 3 NC contacts
- B** 4 NO + 2 NC contacts
- C** 5 NO + 1 NC contacts

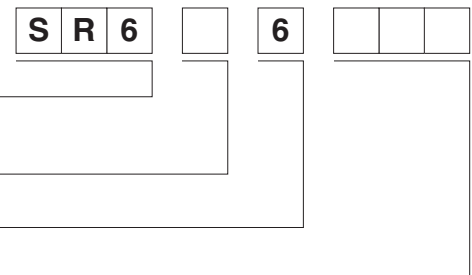
Contact material

6 AgSnO₂ + 0.2 µm Au

Coil

Coil code = rated coil voltage (e.g. K24=24 VDC)

Other types on request



Product key	Type	Contact material	Contact configuration	Coil	Part number
SR6A6K05	6-pole safety relay	AgSnO ₂ + 0.2 µm Au	3 NO + 3 NC	5 VDC	5-1415537-8
SR6B6K05			4 NO + 2 NC		7-1415537-2
SR6C6K05			5 NO + 1 NC		8-1415537-7
SR6A6K06			3 NO + 3 NC	6 VDC	5-1415537-9
SR6B6K06			4 NO + 2 NC		7-1415537-4
SR6C6K06			5 NO + 1 NC		8-1415537-8
SR6A6K09			3 NO + 3 NC	9 VDC	6-1415537-0
SR6B6K09			4 NO + 2 NC		7-1415537-5
SR6C6K09			5 NO + 1 NC		8-1415537-9
SR6A6K12			3 NO + 3 NC	12 VDC	6-1415537-1
SR6B6K12			4 NO + 2 NC		7-1415537-6
SR6C6K12			5 NO + 1 NC		9-1415537-0
SR6A6K15			3 NO + 3 NC	15 VDC	6-1415537-2
SR6B6K15			4 NO + 2 NC		7-1415537-7
SR6C6K15			5 NO + 1 NC		9-1415537-1
SR6A6K18			3 NO + 3 NC	18 VDC	6-1415537-3
SR6B6K18			4 NO + 2 NC		7-1415537-8
SR6C6K18			5 NO + 1 NC		9-1415537-2
SR6A6K21			3 NO + 3 NC	21 VDC	6-1415537-4
SR6B6K21			4 NO + 2 NC		7-1415537-9
SR6C6K21			5 NO + 1 NC		9-1415537-3
SR6A6K24			3 NO + 3 NC	24 VDC	6-1415537-5
SR6B6K24			4 NO + 2 NC		8-1415537-0
SR6C6K24			5 NO + 1 NC		9-1415537-4
SR6A6K36			3 NO + 3 NC	36 VDC	6-1415537-6
SR6B6K36			4 NO + 2 NC		8-1415537-1
SR6C6K36			5 NO + 1 NC		9-1415537-5
SR6A6K40			3 NO + 3 NC	40 VDC	6-1415537-7
SR6B6K40			4 NO + 2 NC		8-1415537-2
SR6C6K40			5 NO + 1 NC		9-1415537-6
SR6A6K48			3 NO + 3 NC	48 VDC	6-1415537-8
SR6B6K48			4 NO + 2 NC		8-1415537-3
SR6C6K48			5 NO + 1 NC		9-1415537-7
SR6A6K60			3 NO + 3 NC	60 VDC	6-1415537-9
SR6B6K60			4 NO + 2 NC		8-1415537-4
SR6C6K60			5 NO + 1 NC		9-1415537-8
SR6A6K85			3 NO + 3 NC	85 VDC	7-1415537-0
SR6B6K85			4 NO + 2 NC		8-1415537-5
SR6C6K85			5 NO + 1 NC		9-1415537-9
SR6A6L10			3 NO + 3 NC	110 VDC	7-1415537-1
SR6B6L10			4 NO + 2 NC		8-1415537-6
SR6C6L10			5 NO + 1 NC		0-1415538-0