

Force Guided Relay SR6 A/B/C/V (Continued)

Insulation Data

Initial dielectric strength	
between open contacts	1500V _{rms}
between contact and coil	4000V _{rms}
between adjacent contacts	3000V _{rms}
Clearance/creepage	
between open contacts	microdisconnection
between contact and coil	≥5.5/5.5mm
between adjacent contacts	≥5.5/5.5mm
Insulation to EN 50178, type of insulation	
between contact and coil	reinforced
between adjacent contacts	reinforced

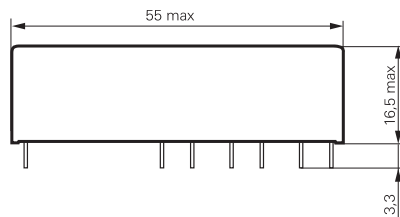
Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter	
Ambient temperature	-25 to 70°C
Category of environmental Protection	RTIII ¹⁾
1) See product specification 2158003 4.6 and 4.8.	
Weight	30g
Resistance to soldering heat THT	260°C/5s
Packaging/unit	tube/10 pcs.

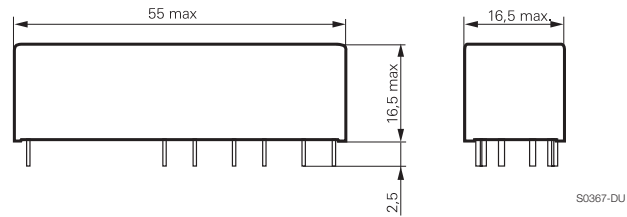
For more detailed information see product specification 2158003

Dimensions

SR6 A/B/C



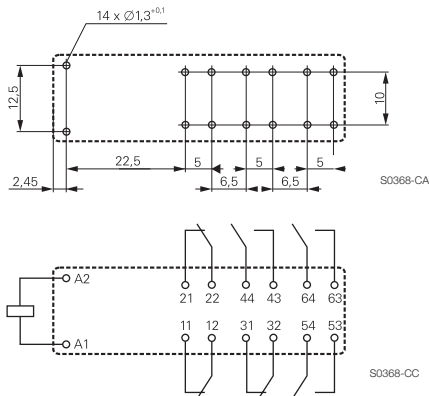
SR6 V



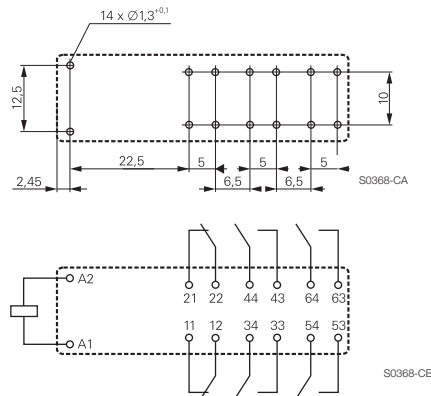
PCB layout / terminal assignment

Bottom view

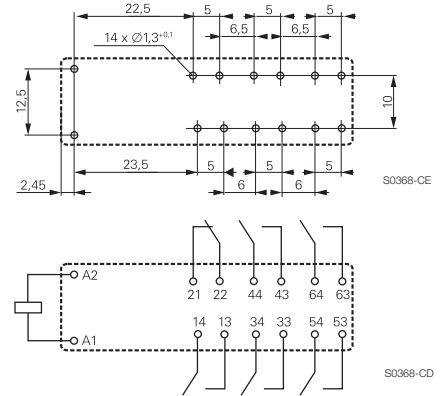
3 form A + 3 form B, 3 NO + 3 NC versions
SR6 A



4 form A + 2 form B, 4 NO + 2 NC versions
SR6 B

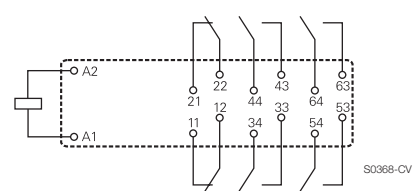
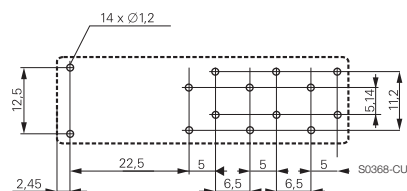


5 form A + 1 form B, 5 NO + 1 NC versions
SR6 C



4 form A + 2 form B, 4 NO + 2 NC versions
SR6 V

The design of the SR6 V allows clearance/creepage of 5.5 mm on the PCB.



Force Guided Relay SR6 A/B/C/V (Continued)

Product code structure

Typical product code **SR6 A 4 012**
Type
SR6 Relay with force guided contacts SR6

Contact arrangement

- A** 3 form A + 3 form B contacts (3 NO + 3 NC)
B 4 form A + 2 form B contacts (4 NO + 2 NC)
V 4 form A + 2 form B contacts (4 NO + 2 NC) (crossed pin layout)
C 5 form A + 1 form B contacts (5 NO + 1 NC)

Contact material

- 4** AgSnO₂ for 1200mW version
6 AgSnO₂ + 0.2µm Au for 800mW version

Coil

Coil code: please refer to coil versions table (e.g. 024=24VDC)

Other types on request

Product code	Type	Cont. arrangement	Cont. material	Coil	Coil Power	Alt. Description	Part Number
SR6A4005	6 pole	3 form A + 3 form B,	AgSnO ₂	5VDC	1200mW	V23050-A1005-A533	8-1415017-1
SR6A4012	relay with	3 NO + 3 NC		12VDC		V23050-A1012-A533	1-1415015-1
SR6A4021	force guided	contacts		21VDC		V23050-A1021-A533	3-1415018-1
SR6A4024	contacts			24VDC		V23050-A1024-A533	1415015-1
SR6A4048				48VDC		V23050-A1048-A533	6-1415018-1
SR6A4060				60VDC		V23050-A1060-A533	7-1415018-1
SR6A4110				110VDC		V23050-A1110-A533	9-1415018-1
SR6A6K12			AgSnO ₂ + Au	12VDC	800mW		6-1415537-1
SR6A6K18				18VDC			6-1415537-3
SR6A6K24				24VDC			6-1415537-5
SR6B4005		4 form A + 2 form B,	AgSnO ₂	5VDC	1200mW	V23050-A1005-A542	1393260-1
SR6B4006		4 NO + 2 NC		6VDC		V23050-A1006-A542	1393260-2
SR6B4012		contacts		12VDC		V23050-A1012-A542	1393260-4
SR6B4018				18VDC		V23050-A1018-A542	1393260-5
SR6B4021				21VDC		V23050-A1021-A542	1393260-6
SR6B4024				24VDC		V23050-A1024-A542	1393260-7
SR6B4040				40VDC		V23050-A1040-A542	1393260-9
SR6B4048				48VDC		V23050-A1048-A542	1-1393260-0
SR6B4060				60VDC		V23050-A1060-A542	1-1393260-1
SR6B4085				85VDC		V23050-A1085-A542	1-1393260-2
SR6B4110				110VDC		V23050-A1110-A542	1-1393260-3
SR6B6K12			AgSnO ₂ + Au	12VDC	800mW		7-1415537-6
SR6B6K15				15VDC			7-1415537-7
SR6B6K18				18VDC			7-1415537-8
SR6B6K21				21VDC			7-1415537-9
SR6B6K24				24VDC			8-1415537-0
SR6C4012		5 form A + 1 form B,	AgSnO ₂	12VDC	1200mW	V23050-A1012-A551	1-1415017-1
SR6C4024		5 NO + 1 NC		24VDC		V23050-A1024-A551	1415017-1
SR6C4048		contacts		48VDC		V23050-A1048-A551	2-1415019-1
SR6C4060				60VDC		V23050-A1060-A551	3-1415019-1
SR6C4110				110VDC		V23050-A1110-A551	5-1415019-1
SR6C6K24			AgSnO ₂ + Au	24VDC	800mW		9-1415537-4
SR6V6K12		4 form A + 2 form B,		12VDC			3-1415542-5
SR6V6K15		4 NO + 2 NC		15VDC			2-1415543-2
SR6V6K18		contacts		18VDC			3-1415543-3
SR6V6K21		(crossed pin layout)		21VDC			4-1415542-4
SR6V6K24				24VDC			5-1415539-2