Special Load PCB Relay RP3SL (Continued)

Insulation Data

Initial dielectric strength
between open contacts	2000V$_{rms}$
between contact and coil	4000V$_{rms}$

Clearance/creepage
between contact and coil	≥8/8mm
Material group of insulation parts	IIIa
Tracking index of relay base	PTI250V

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter

Ambient temperature
flux proof version	-40 to +70°C
wash tight version	-40 to +35°C

Category of environmental protection
IEC 61810	RTII - flux proof, RTIII - wash tight
Vibration resistance (functional), form A contact	20g
Shock resistance (destructive)	100g
Terminal type	PCB-THT
Mounting distance, 12A/16A	0mm/≥3mm
Weight	18g

Resistance to soldering heat THT, IEC 60068-2-20
flux proof version	270°C/10s
wash tight version	260°C/5s

Packaging/unit
monostable and bistable 1coil version	tube/20 pcs., box/500 pcs.
bistable 2coil version	tray/25 pcs., box/100 pcs.

Circuit scheme for bistable 1 coil

S0328-A
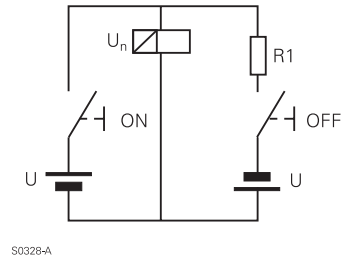
PCB layout / terminal assignment
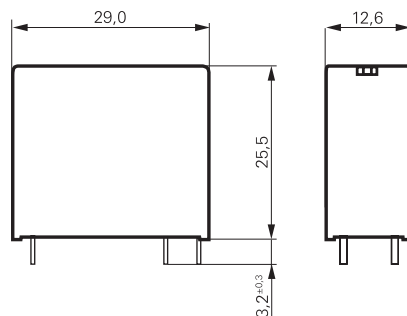Bottom view on solder pins
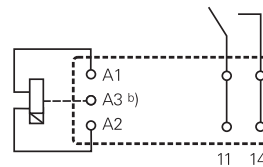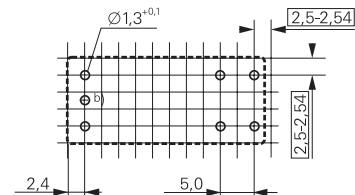
Bistable versions:
Indicated contact position during or after coil energization with reset voltage.

2-coil versions:
Operate A2, A3
Reset A1, A3

b) for 2 coil version only

Dimensions

Catalog and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.

Special Load PCB Relay RP3SL (Continued)

Product code structure

		Typical product code	**RP**	**3**	**SL**	**012**

Type
RP Special Load PCB Relay RP 3 SL

Version
3 Flux proof   **7** Wash tight

Contact configuration / contact material
SL 1 form A contact (1 NO), AgSnO$_2$

Coil
Coil code: please refer to coil versions table

Product code	Version	Contact material	Coil version	Coil	Part number
RP3SL005	1 form A (NO) contact	AgSnO	DC coil	5VDC	1393230-7
RP3SL012	16A			12VDC	1393230-9
RP3SL018	flux proof			18VDC	1-1393230-0
RP3SL024				24VDC	1-1393230-1
RP3SL048				48VDC	1-1393230-2
RP3SL060				60VDC	1-1393230-3
RP3SLA06			Bistable 1 coil	6VDC	1393230-2
RP3SLA24				24VDC	1393230-4
RP3SLF12			Bistable 2 coils	12VDC	1393230-5

This list represents the most common types and does not show all variants covered by this datasheet.
Other types on request.