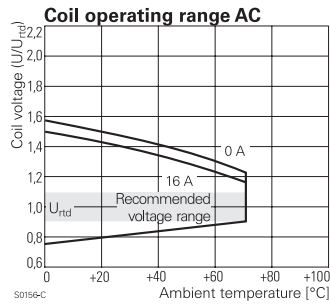
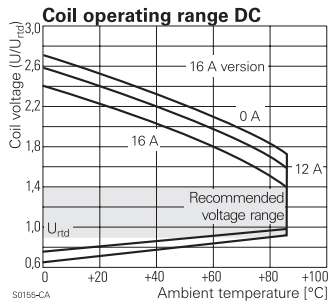


**Power PCB Relay RT1 (Continued)**



Other coil voltages on request.

**Insulation Data**

Initial dielectric strength	
between open contacts	1000V <sub>rms</sub>
between contact and coil	5000V <sub>rms</sub>
Clearance/creepage	
between contact and coil	≥10/10mm
Material group of insulation parts	IIla
Tracking index of relay base	PTI 250V
reflow version	PTI 175V

**Other Data**

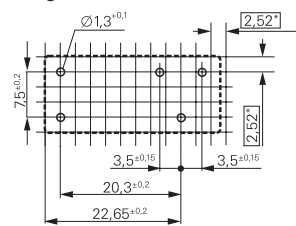
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at [www.te.com/customer-support/rohssupportcenter](http://www.te.com/customer-support/rohssupportcenter)

Resistance to heat and fire	
WG version or Reflow version	according EN60335, par30
Ambient temperature	
DC coil	-40 to 85°C
AC coil	-40 to 70°C
Category of environmental protection, IEC 61810	
standard version	RTII - flux proof, RTIII - wash tight
reflow version	RTII - flux proof
Vibration resistance (functional)	

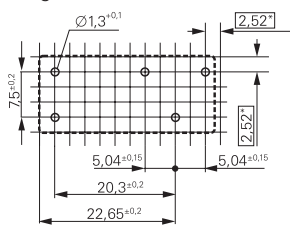
**PCB layout / terminal assignment**

Bottom view on solder pins

12A, pinning 3.5mm

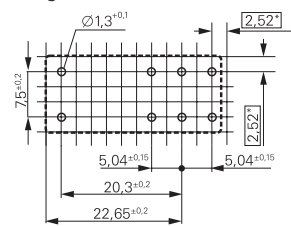


12A, pinning 5mm

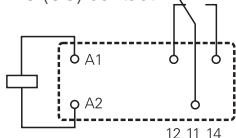


\*) With the recommended PCB hole sizes a grid pattern from 2.5mm to 2.54mm can be used.

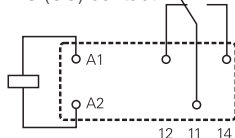
16A, pinning 5mm



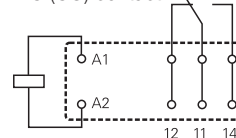
1 form C (CO) contact



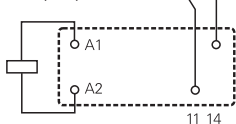
1 form C (CO) contact



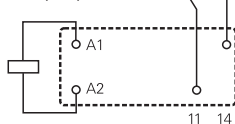
1 form C (CO) contact



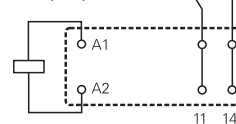
1 form A (NO) contact



1 form A (NO) contact

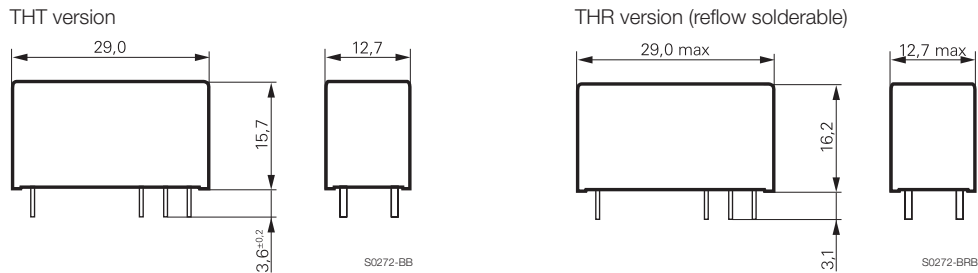


1 form A (NO) contact

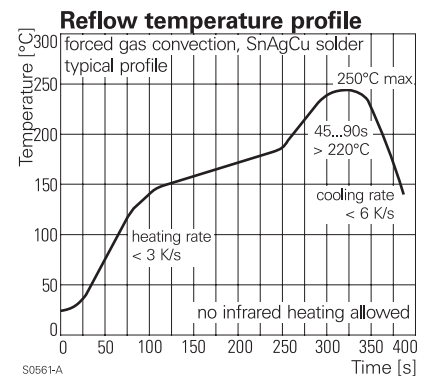
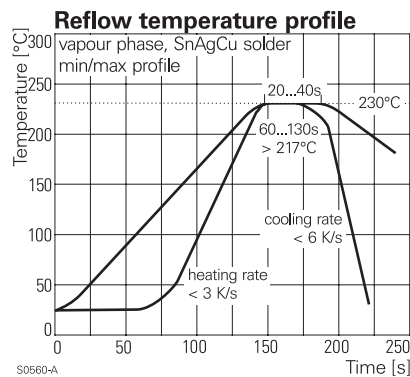


**Power PCB Relay RT1 (Continued)**

**Dimensions**



**Process conditions for Reflow soldering**  
according to EN61760-1



**Product code structure**

Typical product code

**RT 3 1 4 024**

**Type**

**RT** Power PCB Relay RT1

**Version**

- 1** 12A, pinning 3.5mm, flux proof
- 2** 12A, pinning 5mm, flux proof
- 3** 16A, pinning 5mm, flux proof
- B** 12A, pinning 3.5mm, wash tight
- C** 12A, pinning 5mm, wash tight
- D** 16A, pinning 5mm, wash tight

**Contact arrangement**

- 1** 1 form C (CO) contact
- 3** 1 form A (NO) contact

**Contact material**

- 4** AgNi 90/10
- 5** AgNi 90/10 gold plated (for type RT31.)

**Coil**

Coil code: please refer to coil versions table

**Version**

- Blank** Standard version
- WG** Product in accordance with IEC 60335-1 (domestic appliances)
- R** Reflow solderable

**Power PCB Relay RT1** (Continued)

Product code	Version	Contacts	Contact material	Coil	Version	Part number
RT114009	12A,	1 form C (CO)	AgNi 90/10	9VDC	Standard	1393239-9
RT114012	pinning 3.5mm,	1 form C (CO)		12VDC		1419108-1
RT114012WVG	flux proof	1 form C (CO)		12VDC	IEC60335-1 compliant	7-1415538-6
RT114024		1 form C (CO)		24VDC	Standard	1-1393239-3
RT114024WVG		1 form C (CO)		24VDC	IEC60335-1 compliant	1415539-4
RT114730		1 form C (CO)		230VAC	Standard	1-1393239-9
RT115024		1 form C (CO)	AgNi 90/10 gold pl.	24VDC		2-1393239-1
RT134012		1 form A (NO)	AgNi 90/10	12VDC		2-1393239-6
RT134024		1 form A (NO)		24VDC		3-1393239-0
RT214012	12A,	1 form C (CO)		12VDC		5-1393239-4
RT214024	pinning 5mm,	1 form C (CO)		24VDC		5-1393239-5
RT214524	flux proof	1 form C (CO)		24VAC		5-1393239-9
RT214730		1 form C (CO)		230VAC		1419108-6
RT314005	16A,	1 form C (CO)		5VDC		9-1393239-1
RT314006	pinning 5mm,	1 form C (CO)		6VDC		9-1393239-3
RT314009	flux proof	1 form C (CO)		9VDC		9-1393239-4
RT314012		1 form C (CO)		12VDC		9-1393239-5
RT314012R		1 form C (CO)		12VDC	Reflow solderable	4-1415543-6
RT314012WVG		1 form C (CO)		12VDC	IEC60335-1 compliant	8-1415535-6
RT314018		1 form C (CO)		18VDC	Standard	9-1393239-7
RT314024		1 form C (CO)		24VDC		9-1393239-8
RT314024WVG		1 form C (CO)		24VDC	IEC60335-1 compliant	1415538-7
RT314048		1 form C (CO)		48VDC	Standard	1393240-1
RT314060		1 form C (CO)		60VDC		1-1649328-7
RT314110		1 form C (CO)		110VDC		1393240-3
RT314524		1 form C (CO)		24VAC		1393240-4
RT314548		1 form C (CO)		48VAC		1393240-5
RT314615		1 form C (CO)		115VAC		1393240-6
RT314730		1 form C (CO)		230VAC		1393240-7
RT314730WVG		1 form C (CO)		230VAC	IEC60335-1 compliant	4-1415538-0
RT315024		1 form C (CO)	AgNi 90/10 gold pl.	24VDC	Standard	1-1393240-4
RT334009WVG		1 form A (NO)	AgNi 90/10	9VDC	IEC60335-1 compliant	3-1415538-1
RT334012		1 form A (NO)		12VDC	Standard	4-1393240-5
RT334012WVG		1 form A (NO)		12VDC	IEC60335-1 compliant	1-1415527-1
RT334024		1 form A (NO)		24VDC	Standard	4-1393240-8
RT334048		1 form A (NO)		48VDC		5-1393240-0
RTB14005	12A,	1 form C (CO)		5VDC		1-1393238-2
RTB14012	pinning 3.5mm,	1 form C (CO)		12VDC		1-1393238-5
RTB14024	wash tight	1 form C (CO)		24VDC		1-1393238-9
RTB14524		1 form C (CO)		24VAC		2-1393238-4
RTB34012		1 form A (NO)		12VDC		3-1393238-0
RTC14024	12A, 5mm, wash tight	1 form C (CO)		24VDC		5-1393238-0
RTD14005	16A,	1 form C (CO)		5VDC		5-1393238-9
RTD14012	pinning 5mm,	1 form C (CO)		12VDC		6-1393238-2
RTD14024	wash tight	1 form C (CO)		24VDC		6-1393238-8
RTD14048		1 form C (CO)		48VDC		6-1393238-9

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