



Power PCB Relay RT1 bistable

- 1 pole 16 A, 1 CO or 1 NO contact
- Polarized bistable version with 1 or 2 coils
- 5 kV / 10 mm coil-contact
- Reinforced insulation

Applications

Battery powered equipment or applications with "memory function"





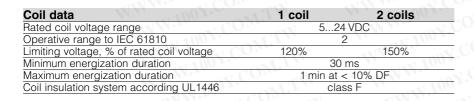
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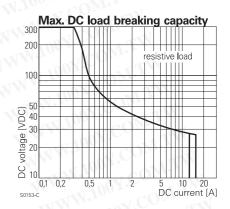
Approvals	MM.	- 100
REGNr. 6106, c 1 us	E214025, c 📆®	14385
Tochnical data of approved types of	on request	

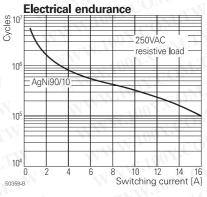
Contact data	TOONIT
Contact configuration	1 CO or 1 NO contatct
Contact set	single contact
Type of interruption	micro disconnection
Rated voltage / max. switching voltage AC	250 / 400 VAC
Rated current	16 A
Limiting continuous current	16 A, UL: 20 A
Maximum breaking capacity AC	4000 VA
Limiting making capacity, max 4 s, duty factor 10%	30 A
Contact material	AgNi 90/10
Rated frequency of operation with / without load	6 / 1200 min ⁻¹
Operate- / reset time	max 10 / 10 ms
Bounce time NO / NC contact	may 3 / 6 ms

Contact	rat	tin	gs	
	$\overline{}$			ī

Туре	Contact	Load	MMM.	Ambient temp. [°C]	Cycles
IEC 61	810				
RT314	NO	16 A, 250 VAC, cosφ=1		85°C	30x10 ³
RT314	CO	16 A, 250 VAC, cosφ=1		85°C	10x10 ³
UL 508		1007.		- 1 1 0 U I	Mo
RT314	NO / NC	20 A, 250 VAC, general purpose		85°C	6x10 ³
RT334		16 A, 250 VAC, general purpose		85°C	50x10 ³
RT314	NO	1 hp, 240 VAC	- 11	40°C	1x10 ³
	1	V 4. VVI.		·	









Power PCB Relay RT1 bistable (Continued)

650

Coil vers	ions, bistable	coil			
Coil	Rated	Operate	Reset	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	Ω	mW
bistable,	1 coil	Tan Jan	COMP	-1	MIN.I
A05	5	3.5	2.8	62±10%	403
A06	6	4.2	3.3	90±10%	400
A12	12	8.4	6.6	360±10%	400
A24	24	16.8	13.2	1440±10%	400
bistable,	2 coils	41/1/	1007		1
F05	5	3.5	2.8	42±10%	595
F06	6	4.2	3.3	55±10%	655
F12	12	8.4	6.6	240±10%	600

886±10% All figures are given for coil without preenergization, at ambient temperature +23°C Other coil voltages on request

16.8

Coils operation

24

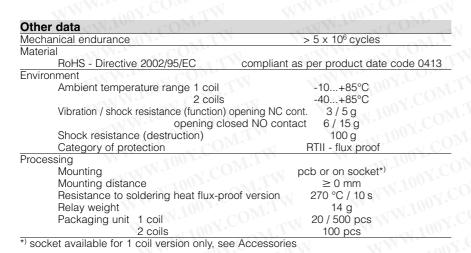
Overvoltage category

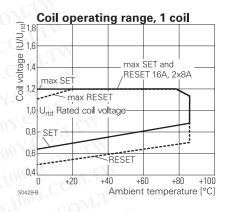
F24

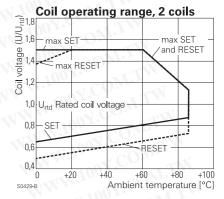
Version	1 coil	2 coils	TIN
Coil terminals	A1 A2	A1 A3 A2	
Pull-in	# -	COMP+ -	-411
Reset	+ 007	-1714	
Contact position not defined at delive	rv	CONT	

13.2

Insulation	1007	WIL	
Dielectric strength coil-contact circuit	5000 V _{rr}	ns	
open contact circuit	1000 V _{rr}	ms	
Clearance / creepage coil-contact circuit	≥ 10 / 10	mm	
Material group of insulation parts	Illa	-11 TW	
Tracking index of relay base	PTI 250 V		
Insulation to IEC 61810-1			
Type of insulation coil-contact circuit	reinforce	ed	
open contact circuit	micro disconnection		
Rated insulation voltage	250 V		
Pollution degree	3	2	
Rated voltage system	240 V	230 / 400 V	





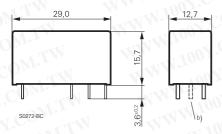


For 1 coil version, details see datasheet Accessories Power Relay RT



Power PCB Relay RT1 bistable (Continued)

Dimensions

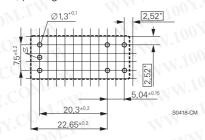


- a) Indicated contact position during or after coil energization with reset voltage.
- b) for 2 coil version only

PCB layout / terminal assignment

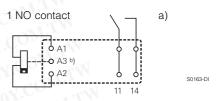
Bottom view on solder pins

16 A, pinning 5 mm

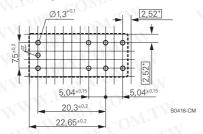


*) With the recommended PCB hole sizes a grid pattern from 2.5 mm to 2.54 mm can be used.

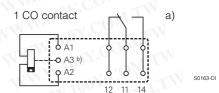
勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw



16 A, pinning 5 mm



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



Product key

Type
RT Power PCB Relay RT1 bistable

Version
3 16 A, pinning 5 mm, flux proof

Contact configuration
1 1 CO contact (1 form C)

Contact material
4 AgNi 90/10

Coil

Product key	Version	Contacts	Cont. material	Coil	Coil	Part number
RT314A12	16 A	1 CO contact	AgNi 90/10	bistable	12 VDC	8-1393239-0
RT314A24	pinning 5 mm	VI COR	CV V	1-coil	24 VDC	8-1393239-1
RT314F12	flux proof	100° $ 0$ M	7	bistable	12 VDC	8-1393239-7
RT314F24		· CO	TIN .	2-coils	24 VDC	8-1393239-8

Coil code: please refer to coil versions table, preferred types in bold print

change.