

### **Power PCB Relay RT Inrush Power**

- 1 pole 16A, 1 form A (NO) contact (AgSnO<sub>2</sub> or W pre-make contact + AgSnO<sub>2</sub>)
- Mono- or bistable coil
- 5kV/10mm coil-contact
- Reinforced insulation
- Test tab (manual operator) optional for RTT3T bistable versions
- WG version: product in accordance to IEC60335-1
- RTS3T: Electronic ballast UL508/NEMA 410 rated
- RTSET: 8A Electronic ballast rated

#### Typical applications

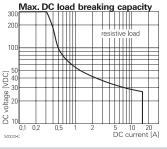
LED lighting systems, filament and incandescent lamp loads, movement detectors, light sensors, intelligent wall sockets, motors (RTS3L), bus system actuators.

Approvals VDE Cert. No. 40007571,UL E214025, cCSAus 1142018 Technical data of approved types on request.

Contact DataRT.3T / RTSETRTS3LContact arrangement1 form A (NO) contactRated voltage250VACMax. switching voltage480VACRated voltage200VACMax. switching voltage16ALimiting continuous current16ALimiting continuous current,16Amax. 200ms (incand. lamps)165A peakBreaking capacity max.4000VAContact materialW (pre-make cont.)AgSnO2+AgSnO2Contact stylepre-make contactSingle contactsingle contactFrequency of operation, with/without load360/3600h <sup>-1</sup> Operate/release time max., DC coil10/5msOperate/release time max., DC coil10/10msBounce time max.4msContact ratings70°CTypeContactLoadCyclesIEC 61810RTS3LA (NO)20A, 250VAC resistive, 85°CTS3TA (NO)16A, 250VAC resistive, 85°CTypeContactLoadCyclesITS3LTS3LA (NO)16A, 250VAC, general purpose, 70°CUL 508TS3LA (NO)RTS3LA (NO)16A, 250VAC, resistive, 85°CTS3LA (NO)16A, 250VAC, general purpose, 70°CRTS3LA (NO)16A,	<b>•</b> • • •	<b>.</b>				DTOOL	
Rated voltage         250VAC           Max. switching voltage         480VAC           Rated current         16A           Limiting continuous current         16A           Limiting continuous current,         16A           max. 200ps         800A peak           Breaking capacity max.         4000VA           Contact material         W (pre-make cont.)           +AgSn0_         AgSn0_           Contact style         pre-make contact           pre-make contact         single contact           Frequency of operation, with/without load         360/3600h^1           Operate/release time max., DC coil         10/5ms           Operate/release time max., DC coil         10/10ms           Bounce time max.         4ms           Contact ratings         Type           Type         Contact         Load           RTS3L         A (NO)         20A, 250VAC resistive, 85°C         5x10³           In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10³           In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VA						RTS3L	
Max. switching voltage         480VAC           Rated current         16A           Limiting continuous current, max. 200µs         165A peak         120A peak           Breaking capacity max.         4000VA         Contact material         W (pre-make cont.)         AgSnO2           Contact style         pre-make contact         single contact         Figle contact           Frequency of operation, with/without load         360/3600h <sup>-1</sup> Operate/Reset time max., bistable version         10/10ms           Bounce time max.         DC coil         10/5ms         Operate/Reset time max., bistable version         10/10ms           Bounce time max.         Contact ratings         Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         16A, 250VAC resistive, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           TS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           TS3L         A (NO)         16A, 250VAC, resistive, 85°C         5x10 <sup>3</sup> RTS3				1			
Rated current16ALimiting continuous current16ALimiting making current,20AImax. 200µs800A peakBreaking capacity max.4000VAContact materialW (pre-make cont.)AgSnO2							
Limiting continuous current 16A 20A Limiting making current, max. 20ms (incand. lamps) 165A peak 120A peak max. 200µs 800A peak Breaking capacity max. 4000VA Contact material W (pre-make cont.) AgSnO <sub>2</sub> +AgSnO <sub>2</sub> Contact style pre-make contact single contact Frequency of operation, with/without load 360/3600h <sup>-1</sup> Operate/release time max., DC coil 10/5ms Operate/release time max., DC coil 10/5ms Operate/Reset time max., DC coil 10/5ms Operate/Reset time max., DC coil 10/5ms Contact ratings Type Contact Load Cycles IEC 61810 RTS3L A (NO) 20A, 250VAC resistive, 70°C 20x10 <sup>3</sup> RTS3L monostable A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> In process: Type Contact Load Cycles RTS3L A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> In process: Type Contact Load Cycles RTS3L A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> IN process: Type Contact Load Cycles RTS3L A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> RTS3L A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> RTS3L A (NO) 16A, 250VAC, general purpose, 70°C 20x10 <sup>3</sup> RTS3L A (NO) 15Ap, 240VAC, 40°C 25x10 <sup>3</sup> RTS3L A (NO) 15Ap, 240VAC, 40°C 25x10 <sup>3</sup> RTS3L A (NO) 1.5hp, 240VAC, 70°C 30x10 <sup>3</sup> RTS3L A (NO) 1.5hp, 240VAC, resistive, 85°C 10x10 <sup>3</sup> RTS3L A (NO) 1.5hp, 240VAC, resistive, 85°C 10x10 <sup>3</sup> RTS3L A (NO) 1.5hp, 240VAC, coc 25x10 <sup>3</sup> RTS3T A (NO) 2A, 480VAC, magnetic ballast, 80°C 10x10 <sup>4</sup> RTS3T A (NO) 2A, 480VAC, electronic ballast, 80°C 10x10 <sup>4</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>4</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>4</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>4</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>4</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>4</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 85°C 10x10 <sup>4</sup> RTS4T A (NO) 5A, 347VAC, electronic ballast, 85°C 10x10 <sup>4</sup> RTS5T A (NO) 5A, 277VAC, electronic ballast, 85°C 10x10 <sup>4</sup> RTS5T A (NO) 5A, 277VAC, electronic ballast, 85°C 20x10 <sup>4</sup> RTSET A (NO) 5A, 277VAC, electronic ballast, 85°C 20x10 <sup>4</sup> RTSET A (NO) 5A,						-	
Limiting making current, max. 20ms (incand. lamps) 165A peak 120A peak max. 200µs 800A peak 120A peak Breaking capacity max. 4000VA Contact material W (pre-make cont.) AgSnO <sub>2</sub> +AgSnO <sub>2</sub> Contact style pre-make contact single contact Frequency of operation, with/without load 360/3600h <sup>-1</sup> Operate/release time max., Dc coil 10/5ms Operate/release time max., bistable version 10/10ms Bounce time max. 4ms <b>Contact ratings</b> Type Contact Load Cycles <b>IEC 61810</b> RTS3L A (NO) 20A, 250VAC resistive, 70°C 20x10 <sup>3</sup> RTS3L M (NO) 16A, 250VAC resistive, 85°C 100x10 <sup>3</sup> RTS3L A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> In process: Type Contact Load Cycles RTS2L A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> U <b>508</b> RTS3L A (NO) 16A, 250VAC resistive, 85°C 5x10 <sup>3</sup> RTS3L A (NO) 16A, 250VAC, general purpose, 70°C 20x10 <sup>3</sup> RTS3L A (NO) 16A, 250VAC, resistive, 85°C 50x10 <sup>3</sup> RTS3L A (NO) 16A, 250VAC, resistive, 85°C 5x10 <sup>3</sup> U <b>508</b> RTS3L A (NO) 16A, 250VAC, general purpose, 70°C 20x10 <sup>3</sup> RTS3L A (NO) 15hp, 240VAC, 70°C 30x10 <sup>3</sup> RTS3L A (NO) 1.5hp, 240VAC, 70°C 30x10 <sup>3</sup> RTS3T A (NO) 1.200W Tungsten, 120VAC/277VAC, 60Hz, 50°C 6x10 <sup>3</sup> RTS3T A (NO) 2A, 480VAC, magnetic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 120VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 277VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 277VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTS3T A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTSET A (NO) 5A, 347VAC, electronic ballast, 80°C 10x10 <sup>3</sup> RTSET A (NO) 5A, 277VAC, electronic ballast, 85°C 10x10 <sup>3</sup> RTSET A (NO) 5A, 277VAC, electronic ballast, 85°C 10x10 <sup>3</sup> RTSET A (NO) 5A, 277VAC, electronic ballast, 85°C 10x10 <sup>3</sup> RTSET A (NO) 5A, 277VAC, electronic ballast, 85°C 5x10 <sup>3</sup> RTSET A (NO) 5A, 277VAC, electro					16A	-	
max. 20ms (incand. lamps)         165A peak         120A peak           Breaking capacity max.         4000VA         AgSnO2           Contact material         W (pre-make cont.)         AgSnO2           +AgSnO2         contact style         pre-make contact         single contact           Frequency of operation, with/without load         360/3600h <sup>-1</sup> Operate/release time max., DC coil         10/5ms           Operate/release time max., DC coil         10/5ms         Operate/release time max., bistable version         10/10ms           Bounce time max.         Ams         Contact ratings         Cycles         IEC 61810           RTS3L         A (NO)         20A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)			t 1	16A		20A	
max. 200µs         800A peak           Breaking capacity max.         4000VA           Contact material         W (pre-make cont.)         AgSnO2           Contact style         pre-make contact         single contact           Frequency of operation, with/without load         360/3600h <sup>-1</sup> Operate/release time max., DC coil         10/5ms           Operate/release time max., DC coil         10/5ms         Operate/release time max., bistable version         10/10ms           Bounce time max.         4ms         Contact ratings         Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         16A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           TS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           TS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         120W Tungsten, 120VAC/277							
Breaking capacity max.4000VAContact materialW (pre-make cont.)AgSnO2+AgSnO2						120A pe	eak
Contact materialW (pre-make cont.) +AgSnO2AgSnO2 +AgSnO2Contact stylepre-make contactsingle contactFrequency of operation, with/without load $360/3600h^{-1}$ Operate/release time max., DC coil $10/5ms$ Operate/release time max., DC coil $10/5ms$ Operate/release time max., bistable version $10/10ms$ Bounce time max. $4ms$ Contact ratingsTypeContact ratingsTypeContactLoadCyclesIEC 61810RTS3LA (NO) $20A, 250VAC$ resistive, $85^{\circ}C$ $100x10^{3}$ RTS31A (NO) $16A, 250VAC$ resistive, $85^{\circ}C$ $5x10^{3}$ In process:TypeContactLoadCyclesTypeContactLoadCyclesRTS31A (NO) $16A, 250VAC$ resistive, $85^{\circ}C$ $5x10^{3}$ In process:TypeContactLoadCyclesTS31A (NO) $16A, 250VAC$ , general purpose, $70^{\circ}C$ $20x10^{3}$ RTS31A (NO) $16A, 250VAC, general purpose, 70^{\circ}C20x10^{3}RTS31A (NO)15Ap, 240VAC, 40^{\circ}C25x10^{3}RTS31A (NO)2A, 480VAC, general purpose, 70^{\circ}C10x10^{3}RTS31A (NO)2A, 480VAC, dectronic ballast, 80^{\circ}C10x10^{3}RTS31A (NO)2A, 480VAC, gelectronic ballast, 80^{\circ}C10x10^{3}RTS31A (NO)5A, 277VAC, electronic ballast, 80^{\circ}C10x10^{3}RTS31A (NO)5A, 347VAC, gelectronic ballast, 80^{\circ}C10x10^{3}$				800A peak			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
Contact style         pre-make contact         single contact           Frequency of operation, with/without load         360/3600h <sup>-1</sup> Operate/Reset time max., DC coil         10/5ms           Operate/Reset time max., bistable version         10/10ms         Bounce time max.         4ms           Contact ratings         4ms         4ms         Contact ratings           Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3T         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         10A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         10A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         10A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS31         A (NO)         10A, 2	Contact m	aterial			cont.)	AgSnC	),
Frequency of operation, with/without load         360/3600h <sup>-1</sup> Operate/release time max., DC coil         10/5ms           Operate/Reset time max., bistable version         10/10ms           Bounce time max.         4ms           Contact ratings         4ms           Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3T         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         5x10 <sup>3</sup> UL 508         RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         1.5hp, 240VAC, 40°C         25x10 <sup>3</sup> 3x10 <sup>3</sup> RTS3L         A (NO)         1.5hp, 240VAC, 70°C         30x10 <sup>3</sup> 3x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, magnetic ballast, 80°C         10x10 <sup>3</sup> 3x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C							
Operate/release time max., DC coil         10/5ms           Operate/Reset time max., bistable version         10/10ms           Bounce time max.         4ms           Contact ratings							ontact
Operate/Reset time max., bistable version         10/10ms           Bounce time max.         4ms           Contact ratings         Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10³           RTS3L monostable A (NO)         16A, 250VAC resistive, 85°C         5x10³           In process:         Type         Contact         Load         Cycles           TSET         A (NO)         16A, 250VAC resistive, 85°C         5x10³           In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10³           RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         5x10³           UL 508         RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         20x10³           RTS3L         A (NO)         15A, 250VAC, resistive, 85°C         50x10³         30x10³           RTS3L         A (NO)         15A, 250VAC, resistive, 85°C         50x10³         30x10³           RTS3L         A (NO)         15A, 250VAC, resistive, 85°C         10x10³         30x10³           RTS3T         A (NO)         15A, 277VAC, electronic ballast,					360/360	00h <sup>-1</sup>	
Bounce time max.         4ms           Contact ratings         Cycles           Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10³           RTS3L monostable A (NO)         16A, 250VAC resistive, 85°C         100x10³           RTS3T         A (NO)         16A, 250VAC resistive, 85°C         5x10³           In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10³           IL 508         RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10³           RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10³           RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10³           RTS3L         A (NO)         178, 240VAC, 40°C         25x10³           RTS3L         A (NO)         1.20W Tungsten, 120VAC/277VAC, 60Hz, 50°C         60Hz, 50°C           RTS3T         A (NO)         2A, 480VAC, magnetic ballast, 80°C         10x10³           RTS3T         A (NO)         3A, 277VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         5A, 2	Operate/re	lease time max.	, DC	coil	10/5r	ns	
Contact ratings           Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10 <sup>3</sup> RTS3L monostable A (NO)         16A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3T         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> UL 508         RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         15h, 240VAC, 40°C         25x10 <sup>3</sup> RTS3T         A (NO)         1.5hp, 240VAC, 70°C         30x10 <sup>3</sup> RTS3T	Operate/Re	eset time max., I	bistał	ole version	10/10	ms	
Type         Contact         Load         Cycles           IEC 61810         RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10 <sup>3</sup> RTS3L         monostable A (NO)         16A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3T         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           RTS2T         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> UL 508         RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         15h, 240VAC, 40°C         25x10 <sup>3</sup> RTS3T         A (NO)         1.5hp, 240VAC, 70°C         30x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC,	Bounce tin	ne max.			4ms	S	
IEC 61810           RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10 <sup>3</sup> RTS3L monostable A (NO)         16A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3T         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:         Type         Contact         Load         Cycles           RTS3L         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> UL 508         RTS3L         A (NO)         16A, 250VAC resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3T         A (NO)         1.5hp, 240VAC, 70°C         30x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, magnetic ballast, 80°C         10x10 <sup>3</sup> RTS3T         A (N	Contact r	atings					
IEC 61810           RTS3L         A (NO)         20A, 250VAC resistive, 70°C         20x10 <sup>3</sup> RTS3L monostable A (NO)         16A, 250VAC resistive, 85°C         100x10 <sup>3</sup> RTS3T         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> In process:	Туре	Contact	Loa	d			Cycles
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	IÉC 61810	)					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	RTS3L	A (NO)	20A	. 250VAC res	stive. 70°C	)	20x10 <sup>3</sup>
RTS3T         A (NO)         16A, 250VAC resistive, 85°C $5x10^3$ In process:         Type         Contact         Load         Cycles           RTSET         A (NO)         16A, 250VAC resistive, 85°C $5x10^3$ <b>UL 508</b> RTS3L         A (NO)         20A, 250VAC, general purpose, 70°C $20x10^3$ RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C $20x10^3$ RTS3L         A (NO)         16A, 250VAC, resistive, 85°C $50x10^3$ RTS3L         A (NO)         16A, 250VAC, resistive, 85°C $50x10^3$ RTS3L         A (NO)         16A, 250VAC, resistive, 85°C $20x10^3$ RTS3L         A (NO)         16A, 250VAC, resistive, 85°C $50x10^3$ RTS3L         A (NO)         1.5hp, 240VAC, 40°C $25x10^3$ RTS3T         A (NO)         1.5hp, 240VAC, 70°C $30x10^3$ RTS3T         A (NO)         2A, 480VAC, magnetic ballast, 80°C $10x10^3$ RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C $10x10^3$ RTS3T         A (NO)         5A, 277VAC, electronic ballast, 80°C $10x10^3$ RTS3T         A (NO)	RTS3L mo						100x10 <sup>3</sup>
$\begin{array}{llllllllllllllllllllllllllllllllllll$							5x10 <sup>3</sup>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	In process	, ,		,			
RTSET         A (NO)         16A, 250VAC resistive, 85°C         5x10 <sup>3</sup> UL 508         RTS3L         A (NO)         20A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, general purpose, 70°C         20x10 <sup>3</sup> RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10 <sup>3</sup> RTS3L         A (NO)         TV8, 240VAC, 40°C         25x10 <sup>3</sup> RTS3L         A (NO)         1.5hp, 240VAC, 70°C         30x10 <sup>3</sup> RTS3T         A (NO)         1200W Tungsten, 120VAC/277VAC, 60Hz, 50°C         6x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, magnetic ballast, 80°C         10x10 <sup>3*</sup> RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         15x10 <sup>3</sup> RTS3T         A (NO)         3A, 277VAC, electronic ballast, 80°C         15x10 <sup>3</sup> RTS3T         A (NO)         5A, 277VAC, electronic ballast, 80°C         10x10 <sup>3*</sup> RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10 <sup>3*</sup> RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10 <sup>3*</sup> RTS3T         A (NO)         5A, 347VAC, general purpose, 85°C         5x10 <sup>3</sup> RTS3T			Loa	d			Cycles
UL 508         200, 250VAC, general purpose, 70°C         20x10³           RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10³           RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10³           RTS3L         A (NO)         1.5hp, 240VAC, 40°C         25x10³           RTS3L         A (NO)         1.5hp, 240VAC, 70°C         30x10³           RTS3T         A (NO)         1.200W Tungsten, 120VAC/277VAC, 60Hz, 50°C         6x10³           RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         3A, 277VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 327VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 347VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, general purpose, 85°C         5x10³           RTS3T         A (NO)         5A, 277VAC, electronic ballast, 105				-	istive 85°C	)	
RTS3L         A (NO)         20A, 250VAC, general purpose, 70°C         20x10³           RTS3L         A (NO)         16A, 250VAC, resistive, 85°C         50x10³           RTS3L         A (NO)         TV8, 240VAC, 40°C         25x10³           RTS3L         A (NO)         1.5hp, 240VAC, 70°C         30x10³           RTS3T         A (NO)         1.5hp, 240VAC, 70°C         30x10³           RTS3T         A (NO)         1200W Tungsten, 120VAC/277VAC, 60Hz, 50°C         6x10³           RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 277VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 277VAC, electronic		/((100)	10/	<u>, 200 17 10 100</u>	01110,00 0	,	0/10
$\begin{array}{llllllllllllllllllllllllllllllllllll$		A (NO)	20A	250VAC de	neral nurna	nse 70°C	20x10 <sup>3</sup>
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		( )					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		( )				0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
60Hz, 50°C         6x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, magnetic ballast, 80°C         10x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10 <sup>3</sup> RTS3T         A (NO)         3A, 277VAC, electronic ballast, 80°C         15x10 <sup>3</sup> RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10 <sup>3</sup> RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 347VAC, electronic ballast, 105°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 480VAC, magnetic ballast, 105°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 277VAC, general purpose, 85°C         5x10 <sup>3</sup> RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTSET         A (NO)         5A, 277VAC, e						277VAC	00/110
RTS3T         A (NO)         2A, 480VAC, magnetic ballast, 80°C         10x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10 <sup>3</sup> RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10 <sup>3</sup> RTS3T         A (NO)         3A, 277VAC, electronic ballast, 80°C         15x10 <sup>3</sup> RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10 <sup>3</sup> RTS3T         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 347VAC, electronic ballast, 105°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10 <sup>3</sup> RTS3T         A (NO)         5A, 480VAC, general purpose, 85°C         10x10 <sup>3</sup> RTS5T         A (NO)         16A, 250VAC, general purpose, 85°C         5x10 <sup>3</sup> RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup>	111001	/(((0))			1201/10/2	,	6x10 <sup>3</sup>
RTS3T         A (NO)         2A, 480VAC, electronic ballast, 80°C         10x10³           RTS3T         A (NO)         3A, 277VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTS3T         A (NO)         5A, 347VAC, electronic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, general purpose, 85°C         5x10³           RTSET         A (NO)         16A, 250VAC, general purpose, 85°C         5x10³           RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTSET	RTS3T	A (NO)			netic balla	st 80°C	
RTS3T         A (NO)         3A, 277VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTS3T         A (NO)         5A, 347VAC, electronic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, general purpose, 85°C         5x10³           RTS3T         A (NO)         16A, 250VAC, general purpose, 85°C         5x10³           RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         20x10³           RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10³           RTSET							
RTS3T         A (NO)         5A, 120VAC, electronic ballast, 80°C         15x10³           RTS3T         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTS3T         A (NO)         5A, 347VAC, electronic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         3A, 480VAC, magnetic ballast, 105°C         10x10³           RTSET         A (NO)         3A, 480VAC, general purpose, 85°C         5x10³           RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         6x10³           RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         20x10³           RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10³           RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10³							
RTS3TA (NO)5A, 277VAC, electronic ballast, 85°C10x103RTS3TA (NO)5A, 347VAC, electronic ballast, 105°C10x103°RTS3TA (NO)5A, 347VAC, magnetic ballast, 105°C10x103°RTS3TA (NO)5A, 347VAC, magnetic ballast, 105°C10x103°RTS3TA (NO)3A, 480VAC, magnetic ballast, 105°C10x103°RTSETA (NO)16A, 250VAC, general purpose, 85°C5x103°RTSETA (NO)8A, 277VAC, electronic ballast, 85°C10x103°RTSETA (NO)5A, 277VAC, electronic ballast, 85°C10x103°RTSETA (NO)5A, 277VAC, electronic ballast, 85°C10x103°RTSETA (NO)5A, 277VAC, electronic ballast, 85°C20x103°RTSETA (NO)3A, 277VAC, electronic ballast, 85°C20x103°RTSETA (NO)5A, 120VAC, electronic ballast, 85°C20x103°		( )					
RTS3T         A (NO)         5A, 347VAC, electronic ballast, 105°C with z.c         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         3A, 480VAC, magnetic ballast, 105°C         10x10³           RTS3T         A (NO)         3A, 480VAC, magnetic ballast, 105°C         10x10³           RTSET         A (NO)         16A, 250VAC, general purpose, 85°C         5x10³           RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10³           RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         20x10³           RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10³           RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10³		( )					
with z.c         10x10 <sup>3*</sup> RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10 <sup>3*</sup> RTS3T         A (NO)         3A, 480VAC, magnetic ballast, 105°C         10x10 <sup>3*</sup> RTS4T         A (NO)         3A, 480VAC, magnetic ballast, 105°C         10x10 <sup>3*</sup> RTSET         A (NO)         16A, 250VAC, general purpose, 85°C         5x10 <sup>3*</sup> RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         6x10 <sup>3*</sup> RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10 <sup>3*</sup> RTSET         A (NO)         3A, 277VAC, electronic ballast, 85°C         20x10 <sup>3*</sup> RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10 <sup>3*</sup> RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10 <sup>3*</sup>							TUXTU
RTS3T         A (NO)         5A, 347VAC, magnetic ballast, 105°C         10x10 <sup>3</sup> RTS3T         A (NO)         3A, 480VAC, magnetic ballast, 105°C         10x10 <sup>3</sup> RTSET         A (NO)         3A, 480VAC, magnetic ballast, 105°C         10x10 <sup>3</sup> RTSET         A (NO)         16A, 250VAC, general purpose, 85°C         5x10 <sup>3</sup> RTSET         A (NO)         8A, 277VAC, electronic ballast, 85°C         6x10 <sup>3</sup> RTSET         A (NO)         5A, 277VAC, electronic ballast, 85°C         10x10 <sup>3</sup> RTSET         A (NO)         3A, 277VAC, electronic ballast, 85°C         20x10 <sup>3</sup> RTSET         A (NO)         3A, 277VAC, electronic ballast, 85°C         20x10 <sup>3</sup> RTSET         A (NO)         5A, 120VAC, electronic ballast, 85°C         20x10 <sup>3</sup>	111001			,		151, 105 0	10~103*
RTS3TA (NO)3A, 480VAC, magnetic ballast, 105°C10x10³RTSETA (NO)16A, 250VAC, general purpose, 85°C5x10³RTSETA (NO)8A, 277VAC, electronic ballast, 85°C6x10³RTSETA (NO)5A, 277VAC, electronic ballast, 85°C10x10³RTSETA (NO)3A, 277VAC, electronic ballast, 85°C10x10³RTSETA (NO)3A, 277VAC, electronic ballast, 85°C20x10³RTSETA (NO)5A, 120VAC, electronic ballast, 85°C20x10³	DTCOT				notio ballar	+ 105°C	
RTSETA (NO)16A, 250VAC, general purpose, 85°C5x10³RTSETA (NO)8A, 277VAC, electronic ballast, 85°C6x10³RTSETA (NO)5A, 277VAC, electronic ballast, 85°C10x10³RTSETA (NO)3A, 277VAC, electronic ballast, 85°C20x10³RTSETA (NO)5A, 120VAC, electronic ballast, 85°C20x10³RTSETA (NO)5A, 120VAC, electronic ballast, 85°C20x10³		( )					
RTSETA (NO)8A, 277VAC, electronic ballast, 85°C6x10³RTSETA (NO)5A, 277VAC, electronic ballast, 85°C10x10³RTSETA (NO)3A, 277VAC, electronic ballast, 85°C20x10³RTSETA (NO)5A, 120VAC, electronic ballast, 85°C20x10³							
RTSETA (NO)5A, 277VAC, electronic ballast, 85°C10x10³RTSETA (NO)3A, 277VAC, electronic ballast, 85°C20x10³RTSETA (NO)5A, 120VAC, electronic ballast, 85°C20x10³		. ,		. 0			
RTSETA (NO)3A, 277VAC, electronic ballast, 85°C20x10³RTSETA (NO)5A, 120VAC, electronic ballast, 85°C20x10³				,		,	
RTSET A (NO) 5A, 120VAC, electronic ballast, 85°C 20x10 <sup>3</sup>		· · ·		,		,	
		· · ·					
Special test conditions available on request				120VAC, elec	tronic balla	st, 85°C	20x10 <sup>3</sup>
		n laition is available of 1 (80	μασδι				







### Contact Data (continued)

Mechanical endurance	RT.3T / RTSET	RTS3L
DC coil	>5x10 <sup>6</sup> ops.	>10x10 <sup>6</sup> ops.
bistable version	>3x10 <sup>6</sup> />1x10 <sup>6</sup> ops.	>5x10 <sup>6</sup> ops.
tab manually operated	>1x10 <sup>3</sup> ops.	-

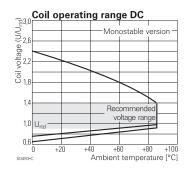
Coil Data, monostable DC coil RT.3T RTSET RTS3L

Coil voltage range	5 to 110VDC	
Operative range, IEC 61810	2	
Coil insulation system according UL1446	class F	

Coil vers	sions, monos	stable DC co	il		
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	$\Omega \pm 10\%^{1)}$	mW
005	5	3.5	0.5	62	403
006	6	4.2	0.6	90	400
009	9	6.3	0.9	203	400
012	12	8.4	1.2	360	400
024	24	16.8	2.4	1440	400
048	48	33.6	4.8	5520	417
060	60	42.0	6.0	8570 <sup>1)</sup>	420
110	110	77.0	11.0	28800 <sup>1)</sup>	420

1) Coil resistance ±12%.

All figures are given for coil without pre-energization, at ambient temperature +23°C. Other coil voltages on request.



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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.

1



### Power PCB Relay RT Inrush Power (Continued)

Coil Data (continued),				
bistable coils	1 coil	2 coils		
Magnetic system	polariz	ed, bistable		
Coil voltage range 3 to 24VDC				
Operative range, IEC 61810		2		
Limiting voltage, % of rated coil voltage	120%	150%		
Min./Max. energization duration	30ms/1min a	t <10% duty factor		
Coil insulation system according UL144	6 (	class F		
Coil Data	RT.3T	RTS3L		
Call yersiana, histohla				

Coil versions, bistable							
Coil	Rated	Set	Reset	Coil	Rated coil		
code	voltage	voltage	voltage	resistance	power		
	VDC	VDC	VDC	Ω±10%	mW		
Coil vers	sions, bista	ble 1 coil					
A03	3	2.1	1.7	21	429		
A12	12	8.4	6.6	360	400		
A24	24	16.8	13.2	1440	400		
Coil vers	Coil versions, bistable 2 coils						
F03	3	2.1	1.7	15	600		
F12	12	8.4	6.6	240	600		
F24	24	16.8	13.2	886	650		

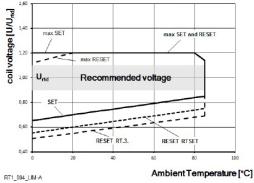
All figures are given for coil without pre-energization, at ambient temperature +23°C. Other coil voltages on request.

Coil Data RTSET						
Coil versions, bistable						
Coil	Rated	Set	Reset	Coil	Rated coil	
code	voltage	voltage	voltage	resistance	power	
	VDC	VDC	VDC	Ω±10%	mW	
Coil vers	sions, bista	ble 1 coil				
A03	3	2.1	1.8	21	429	
A12	12	8.4	7.2	360	400	
A24	24	16.8	14.4	1440	400	
Coil versions, bistable 2 coils						
F03	3	2.1	1.8	15	600	
F12	12	8.4	7.2	240	600	
F24	24	16.8	14.4	886	650	
All figures are given for coil without pre-energization, at ambient temperature +23°C. Other coil voltages on request.						

Bistable coils - operation

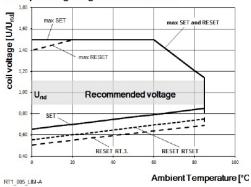
Bistable colls - operation			
Version	1 (	coil	
Coil terminals	A1	A2	A
Ora a water			

10101011		5011	E 00110
Coil terminals	A1	A2	A1 A3 A2
Operate	+	-	+ -
Reset	-	+	- +
Contact position not defined at deliver	у		



Coil operating range: 1 bistable coil

## Coil operating range: 2 bistable coils



#### **Insulation Data**

Initial dielectric strength		
between open contacts	1250V	
between contact and coil	5000V <sup>ms</sup>	
Clearance/creepage	ms	
between contact and coil	≥10/10mm	
Material group of insulation parts	Illa	
Tracking index of relay base	PTI 250V	

#### **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 RT.3T /	RTS3L
monostable DC coil	-40 to 105°C
bistable 1 coil	-10 to 105°C
bistable 2 coils	-40 to 105°C
Ambient temperature RTSET	
monostable DC coil	-40 to 85°C
bistable 1 coil	-10 to 85°C
bistable 2 coils	-40 to 85°C

	RT.3T / RTSET	RTS3L
Category of environmental protection		
IEC 61810	RTII - flu	x proof
RTIII - wash tight available upon request		
Vibration resistance (functional),	10g	20g
monostable version		
Shock resistance (destructive)	10	)0g
Terminal type	PCB-TH	HT, plug-in <sup>2)</sup>
Weight, without / with test tab	14/16g	14g/-
Resistance to soldering heat THT		
IEC 60068-2-20	270	°C/10s
	RT.3T / RTSET	RTS3L
Packaging/unit		
without test tab	tube/20 pcs.,	tube/20 pcs.,
	box/500 pcs.	box/500 pcs.
with test tab	tray/25 pcs.,	-
	box/100 pcs.	-

2) RTT3T or bistable 2 coil version: PCB mounting only. See Accessories.

#### Accessories RTS.

For details see datasheet Accessories Industrial Power Relay RT Socket available for 1 coil version only.

NOTE: indicated contact ratings and electrical endurance data for direct wiring of relays (according IEC 61810-1); for relays mounted on sockets deratings may apply.

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2

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

2 coils

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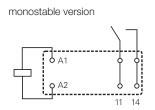
Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.

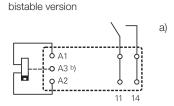


### Power PCB Relay RT Inrush Power (Continued)

#### Terminal assignment

Bottom view on solder pins

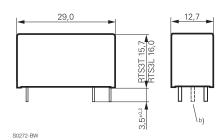




- a) Indicated contact position during or after coil energization with reset voltage.
- b) for 2 coil version only

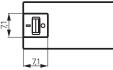
#### **Dimensions / PCB layout**

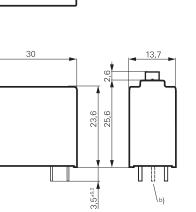
version without test tab

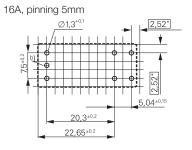


version with test tab

0







Ø1,3+0,1

5,04±0,1 20,3±0,2

23,15<sup>±0,2</sup>

b) for 2 coil version only

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

2.52\*

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



## Power PCB Relay RT Inrush Power (Continued)

Prod	uct c	ode structure		Typical product code	RT	S	3	т	A12
1100	401 0			Typical product code		Ŭ	Ŭ	•	
Туре									
	RT	Power PCB Relay RT1 Inrush Power							
Versio	on								
	S	Without test tab	т	With test tab (manual operator)					
				for version ,RTT3T' bistable coil only					
Conta	act co	nfiguration					-		
	3	1 form A (NO) contact	E	1 form A(NO) ,electronic ballast' contact					
Conta	act ma	iterial							
	L	AgSnO	т	Tungsten (W) pre-make + AgSnO <sub>2</sub>					
Coil									-
	Coil	code: please refer to coil versions ta	ıble						
Versio	n								
101010		k Standard Version							
			335-1						
Versio		<b>k</b> Standard Version Product in accordance to IEC 60	335-1						

Product code	Version	Contacts	Contact material	Coil version	Coil	Version	Part number
RTS3L005	Without test tab,	1 form A (NO)	AgSnO <sub>2</sub>	Monostable	5VDC	Standard	1-1415898-8
RTS3L006	16mm high	contact	-		6VDC		4-1415898-4
RTS3L012					12VDC		1-1415898-9
RTS3L024					24VDC		1-1415898-4
RTS3LA12				Bistable, 1 coil	12VDC		2-1415898-3
RTS3LF12				Bistable, 2 coils	12VDC		2-1415898-5
RTS3LF24					24VDC		2-1415898-6
RTS3T005	Without test tab,		W pre-make + AgSnO <sub>2</sub>	Monostable	5VDC		1-1415898-6
RTS3T012	15.7mm high		-		12VDC		1415898
RTS3T024					24VDC		1415898-1
RTS3L048					48VDC		2-1415898-1
RTS3T048					48VDC		1-1415898-1
RTS3T060					60VDC		1-1415898-2
RTS3TA05				Bistable, 1 coil	5VDC		1-1415898-5
RTS3TA06					6VDC		3-1415898-1
RTS3TA12					12VDC		1415898-2
RTS3TF03				Bistable, 2 coils	3VDC		1415898-4
RTS3TF12					12VDC		1415898-5
RTS3TF24					24VDC		1415898-6
RTT3TA12	With test tab,			Bistable, 1 coil	12VDC		1415898-7
RTT3TF24	23.6mm high			Bistable, 2 coils	24VDC		1-1415898-0
RTS3L012WG	Without test tab,	1 form A (NO)	AgSnO <sub>2</sub>	Monostable	12VDC	IEC60335-1	2-1415898-7
RTS3L024WG	15.7 mm high	contact	_		24VDC	compliant	5-1415898-1
RTS3T012WG			W pre-make + AgSnO <sub>2</sub>		12VDC		5-1415898-6
RTS3TA24WG				Bistable 1 coil	24VDC		4-1415898-7
RTSET005	Without test tab,	1 form A (NO)	W pre-make + AgSnO <sub>2</sub>	Monostable	5VDC	Standard	7-1415898-7
RTSET012	15.7mm high	contact	-		12VDC		7-1415898-9
RTSET024					24VDC		8-1415898-0
RTSETA12				Bistable, 1 coil	12VDC		8-1415898-6
RTSETA24					24VDC		8-1415898-7
RTSETF12				Bistable, 2 coils	12VDC		9-1415898-1
RTSETF24					24VDC		9-1415898-3

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

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 6-1393123-2
 6-1393767-1
 6-1393843-7
 6-1415012-1
 6-1419102-2
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 6-1608067-0
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 7 

 1419130-3
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 CX-4014
 MAHC-5494
 MAVCD-5419-6
 703XCX-120A
 7-1393100-5
 7-1393111-7
 7-1393767-8
 7-1414968-8
 7