

Power PCB Relay RT1 Inrush Power RT9S0015WG (PN 6-1415898-1)

- 1 pole 16A, 1 form A (NO) contact
- Bistable coil
- 5kV/10mm coil-contact
- Reinforced insulation
- Product in accordance to IEC 60335-1

Typical applications
Lighting systems, movement sensors, filament and incandescent lamp loads, motors.



Approvals

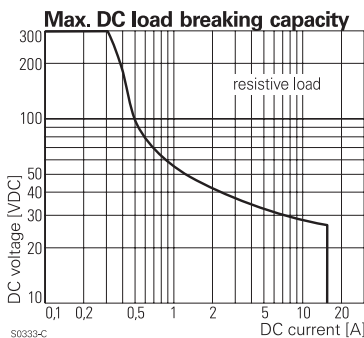
VDE Cert. No. 40007571, UL E214025
Technical data of approved types on request.

Contact Data

Contact arrangement	1 form A (NO) contact
Rated voltage	250VAC
Max. switching voltage	400VAC
Rated current	16A
Limiting continuous current	16A
Limiting making current, max. 20ms (incand. lamps)	120A
Breaking capacity max.	4000VA
Contact material	AgSnO ₂
Contact style	single contact
Frequency of operation, with/without load	360/3600h ⁻¹
Operate/Reset time max., bistable version	10/10ms
Bounce time max.	4ms

Contact ratings

Type	Contact	Load	Cycles
IEC 61810			
RT9S0015 A (NO) 16A, 250VAC resistive, 85°C			30x10 ³
UL 508			
RT9S0015 A (NO) 16A, 250VAC, general purpose, 85°C			6.000 cyc.



Contact Data (continued)

Mechanical endurance		
bistable version	>3x10 ⁶ ops.	>5x10 ⁶ ops.

Coil Data, bistable coils

2 coils

Magnetic system	polarized, bistable
Coil voltage range	24VDC
Operative range, IEC 61810	2
Limiting voltage, % of rated coil voltage	110%
Min./Max. energization duration	30ms/1min at <10% duty factor
Coil insulation system according UL1446	class F

Coil versions, monostable DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated coil power mW
024	24	16.8	2.4	1440	400

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

Coil Data (continued)

Bistable coils - operation

Version	2 coils		
Coil terminals	A1	A3	A2
Operate		+	-
Reset	-		+
Contact position not defined at delivery			

Insulation Data

Initial dielectric strength	
between open contacts	1250V _{rms}
between contact and coil	5000V _{rms}
Clearance/creepage	
between contact and coil	≥10/10mm
Material group of insulation parts	IIIa
Tracking index of relay base	PTI 250V

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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

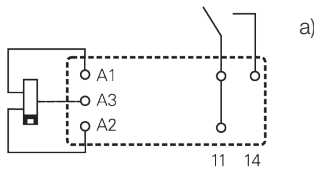
Ambient temperature

bistable 2 coils	-40 to 85°C
Category of environmental protection IEC 61810	RTII - flux proof
Shock resistance (destructive)	100g
Terminal type	PCB-THT
Weight	14g
Resistance to soldering heat THT IEC 60068-2-20	270°C/10s
Packaging/unit	tube/20 pcs., box/500 pcs.

Terminal assignment

Bottom view on solder pins

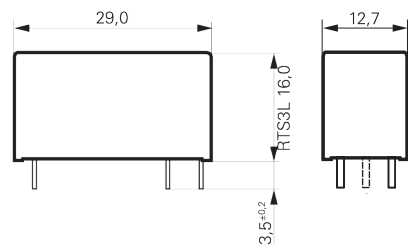
bistable version



a) Indicated contact position during or after coil energization with reset voltage.

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

Dimensions / PCB layout



S0272-BW

