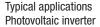


Power PCB Relay T9S Solar

- 1 pole 35A, 1 form A (NO) contact
- Contact gap >1.5mm
- 350mW hold power
- Ambient temperature up to 85°C at 35A
- The appliance is able to meet VDE V 0126-1-1
- Product in accordance to IEC 60335-1
- EN61095: AC7a at 85°C







Approvals	
VDE 40030974, UL E58304	
Technical data of approved types on request	

Contact Data	
Contact arrangement	1 form A (NO)
Contact gap	>1.5mm
Rated voltage	277VAC
Rated current	35A ¹⁾
Breaking capacity max.	8750 VA
Contact material	AgNi
Frequency of operation, with/without load	6/300min ⁻¹
Operate/release time max., incl bounce time	18/15ms

Contact ratings

Туре	Contact	Load	Cycles
IEC 61610			•
T9SV1K15-12	A (NO)	35A, 250VAC, cosφ=1, 85°C	30x10 ³
UL 508			
T9SV1K15-12	A (NO)	35A, 277VAC, resistive, 85°C	30x10 ³
	•		

Mechanical endurance, DC coil 1x10⁶ operations
The relay connections and wiring have to be designed with an adequate cross sections to ensure the current flow and heat dissipation.

Coil Data		
Rated coil voltage	12VDC	
Coil insulation system according UI	class F	

Coil	versions,	DC	coil

Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	Ω±10%	W
12	12 ²⁾	9.6	0.8	64+10%	2.25 /
					min. 0.35
					hold

²⁾ After the energization time of 50 ms with 12 VDC the coil requires a reduction of the coil voltage to 4.7...6.0 VDC.

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

Insulation Data	
Initial dielectric strength	
between open contacts	2500V _{rms}
between contact and coil	4000V _{rms}
Clearance/creepage	
between contact and coil	3/4mm
Material group of insulation parts	III
Tracking index of relay base	PTI 325

Other Data	
Material compliance: EU	RoHS/ELV, China RoHS, REACH, Halogen content
1	refer to the Product Compliance Support Center at
	www.te.com/customersupport/rohssupportcenter
Ambient temperature	-40 to +85°C ¹⁾
Catagon, of anvironments	al protection

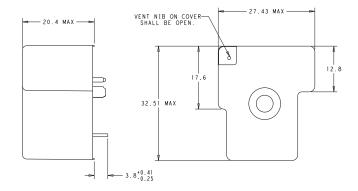
Ambient temperature	-40 to +85°C ¹⁾
Category of environmental protection	
IEC 61810	RTII - flux proof
Vibration resistance (functional)	10g
Shock resistance (functional)	10g
Shock resistance (destructive)	100g
Terminal type	PCB-THT
Mounting	see note ¹⁾
Mounting distance	≥10mm
Weight	30g
Resistance to soldering heat THT	
IEC 60068-2-20	260°C/5s
Packaging unit	box/500 pcs.

¹⁾ The relay connections and wiring have to be designed with an adequate cross sections to ensure the current flow and heat dissipation.



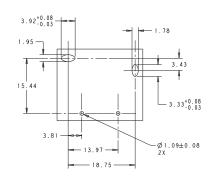
Power PCB Relay T9S Solar (Continued)

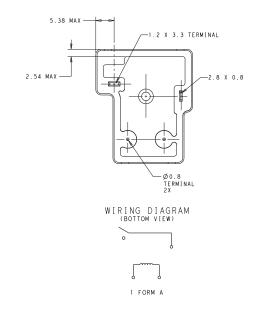
Dimensions



PCB layout / terminal assignment

Bottom view on solder pins





Product code	Version	Contact arrangement	Contact material	Coil	Part number
T9SV1K15-12	PCB, flux tight	1 form A (NO) contact	AgNi	12VDC	2027395-1