



58 x 45mm

Features :

- ▶ Output current of 25 and 40 Amps
- ▶ Output voltage of 24 - 330 and 48 - 480 VAC
- ▶ Control voltage of 4 - 32 VDC
- ▶ Integrated IP20 touch safe removable cover
- ▶ Input status indicator - LED
- ▶ Cost-effective solution

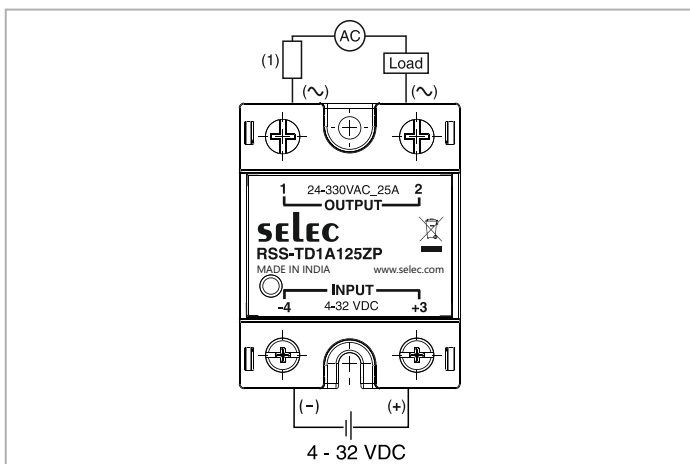
Certifications : **Technical specifications**

	RSS-TD1A125ZP	RSS-TD1A140ZP	RSS-TD1A225ZP	RSS-TD1A240ZP	RSS-TD1A225ZPL	RSS-TD1A240ZPL
Input specifications						
Control voltage range	4 - 32 VDC					
Control current range	4 -15mA					
Nominal input impedance	2k Ω					
Pick up voltage	3 VDC					
Drop out voltage	1 VDC					
Maximum response time pick up	½ cycle + 1 sec					
Maximum response time drop up	½ cycle + 1 sec					
Max reverse voltage	40 VDC					
Zero crossing turn on	Available					
Reverse voltage protection	Available					
LED indicator showing relay ON state	Available					
Output specifications						
Minimum Load Current [mArms]	25	40	25	40	25	40
Maximum Load current (Arms)	50					
Min/Max Operating Voltage (Vrms)	24-330		48-480			
Transient voltage (Vpk)	800				1200	
Maximum off state leakage current @ Rated voltage (mArms)	10					
On state voltage drop @ Rated current (Vrms)	1.5					
Minimum of f state dv/dt @ maximum rated voltage (V/usec)	1000					
1 Second surge current (Apk. Ta=25 °C) 50Hz	100	150	100	150	100	150
Maximum 1 cycle surge current Typ @ 50Hz (Arms)	250	400	250	400	250	400
Thermal Resistance Junction to Case (Rjc) [°C/W]	0.8	0.9	0.8	0.9	0.8	0.9
Maximum 1/2 Cycle I² t for Fusing @ 50 Hz (min./ typical) [A²sec]	340	800	340	800	340	800
Minimum Heat Sink for Rated Current @ 40°C [°C/W]	1					
General specifications						
Dielectric Strength, Input/ Output to Ground	2500 Vrms	4000 Vrms	2500 Vrms	4000 Vrms	2500 Vrms	4000 Vrms
Dielectric Strength, Input to Output	4000 Vrms					
Minimum Insulation Resistance	100 MΩ (at 500 VDC)					
Maximum Capacitance, Input/Output	0.8pF					
Ambient temperature	Operating: - 30°C to 80°C , Storage: - 30°C to 100°C					
Ambient Humidity	93% non-condensing					
Heat sink Thermal Resistance	1°C/W					

Housing specifications

Dimensions (Lx Wx H) (mm)	44.5x 57.5x 27.3
Weight	87.2 g approx
Baseplate	Aluminum
Material	Glass filled polyester
Mounting Type	Panel mount
LED input Status Indicator	Red

Wiring Diagram



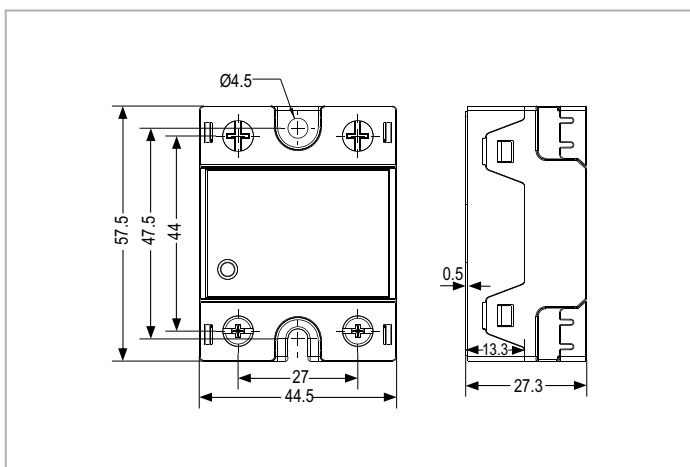
Compliance

Applicable EMI / EMC Standards

Product Standard : IEC 61326-1

Category		Standards Compliance
ESD Immunity	IEC 61000-4-2	Level III
Surge Immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated Susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted Susceptibility	IEC 61000-4-6	Level II
Voltage Dips and Interruptions	IEC 61000-4-11	Dips : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C) 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) Interruptions : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted Emission	CISPR-11	
Radiated Emission	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level III

Dimensions (All are in mm)



Ordering information

Product code	Current ratings	Control input voltage	Load output voltage	Certification
RSS-TD1A125ZP	25	4 to 32 VDC	24 to 330 VAC	CE
RSS-TD1A140ZP	40	4 to 32 VDC	24 to 330 VAC	CE
RSS-TD1A225ZP	25	4 to 32 VDC	48 to 480 VAC	CE
RSS-TD1A240ZP	40	4 to 32 VDC	48 to 480 VAC	CE