Product Change Notification

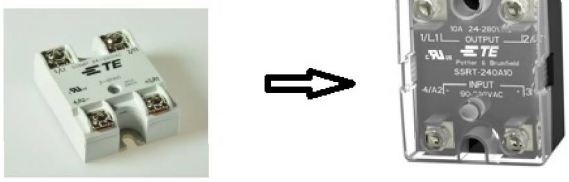
Current Date: 15-Nov-2017

TE Connectivity

Product Change Notification: P-17-015050 **PCN Date:** 13-NOV-17

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

General Product Description:
Solid State Relays - SSRT Series

Description of Changes
Change of Specifications and Change of Manufacuting location (Subcon and supplier changes) Key electrical changes specifications are listed below: 1. Input current changed from 15mA to 25mA for AC input and 20mA for DC input 2. Static dv/dt changed from 500 to 400V/ s for A10 and D10 3. I2T Rating changed from 41 to 144 A2sec for A10 and D10 4. I2T Rating changed from 240 to 340 A2sec for A25 and D25 5. Color is changed from white to black 6. Using snubber output 7. Finger protection cover made default
Color Change 
Other attachments: Datasheet

Reason for Changes:	
Reduced new product development cycle	
Estimated Dates:	
Last Order Date (Obsolete Parts Only):	**First Date To Ship** (Changed Parts Only):
	01-JAN-2018
Last Ship Date (Obsolete Parts Only):	**Last Date for Mixed Shipments:** (Changed Parts Only):
	01-MAR-2018

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
1-1393030-9	NO		**SSRT-240A10**			
2-1393030-0	NO		**SSRT-240A25**			
2-1393030-1	NO		CX4794-000, **SSRT-240D10**			
2-1393030-2	NO		**SSRT-240D25**			

SSRT Series

"Hockey Puck" Solid State Relay

File E29244

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Features

- Standard "hockey puck" package.
- LED indicator.
- Floating terminal design.
- Triac outputs.
- 10A & 25A rms versions.
- AC & DC input versions.
- 4000V rms isolation.
- Cover design with anti-rotation barrier

Engineering Data

Form: 1 Form A (SPST-NO).
Duty: Continuous.
Isolation: 4000V rms minimum, input - output.
Temperature Range:
Storage: –30°C to +100°C
Operating Temperature: –30°C to + 80°C
Case Material: Plastic, UL rated 94V-0.
Case and Mounting: Refer to outline dimension.
Termination: Refer to outline dimension.
Approximate Weight: 3.5 oz. (98g).

Ordering Information

Typical Part Number ►	SSRT	-240	D	10

1. **Basic Series:** SSRT = "hockey puck" triac output solid state relay
2. **Line Voltage:** 240 = 24 - 280 VAC
3. **Input Type & Voltage:** A = 90 - 280 VAC linear
   D = 3 - 32 VDC constant current
4. **Maximum Switching Rating:** 10 = .1 - 10A rms, mounted to heatsink
   25 = .1 - 25A rms, mounted to heatsink

Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.

SSRT-240A10 SSRT-240D10
SSRT-240A25 SSRT-240D25

Input Specifications

Parameter	AC Input	DC Input
Control Voltage Range V_{IN}	90 - 280VAC	3 - 32VDC
Must Operate Voltage $V_{IN(OP)}$ (Min.)	90VAC	3VDC
Must release Voltage $V_{IN(REL)}$ (Min.)	10VAC	1VDC
Input Current (Max.)	25mA	20mA

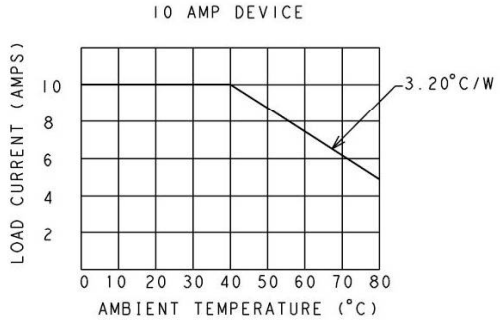
SSRT Series (Continued)

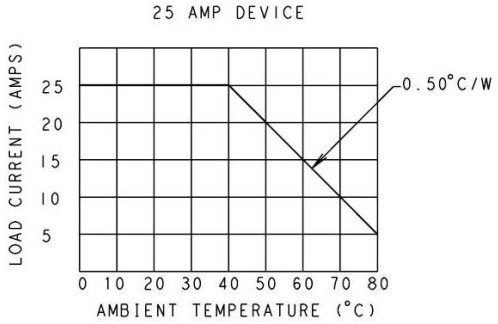
Output Specification (@ 25°C, unless otherwise specified)

Parameter	Conditions	Units	SSRT-240A10 SSRT-240D10	SSRT-240A25 SSRT-240D25
Load Voltage Range V_L		V rms	24 - 280	
Repetitive Blocking Voltage (Min.)		V peak	600	
Load Current Range I_L*	Resistive	A rms	.1 - 10	.1 - 25
Single Cycle Surge Current (Min.)		A peak	100	260
Leakage Current (Off-State) (Max.)	f = 60 Hz. V_L = Nom (120 or 240 V rms)	mA rms	5	
On-State Voltage Drop (@rated current)	I_L = Max.	V rms	1.6	1.6
Static dv/dt (Off-State) ((Min.)		V/µs	400	500
Thermal Reisitance, Junction to Case ($R_{\theta J-C}$) (Max.)		°C/W	2.4	1.7
Turn-On Time (Max.)	f = 60 / 50 Hz.	ms	8.3/10 of DC input types, 40 for AC input types	
Turn-Off Time (Max.)	f = 60 / 50 Hz.	ms	8.3/10 of DC input types, 80 for AC input types	
I^2T Rating	t = 8.3 ms	A^2 Sec.	144	340
Load Power Factor Rating	I_L = Max.		0.5 - 1.0	

* See Derating curve

Electrical Characteristics (Thermal Derating Curves)

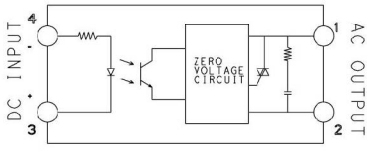


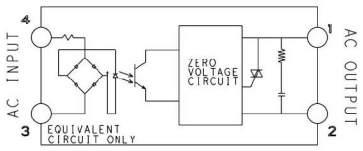


Heatsink Recommendations

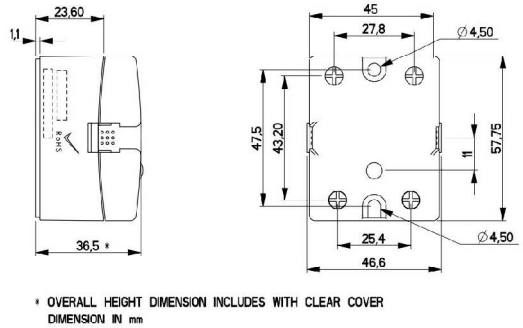
- We recommend that solid state relay modules be mounted to a heatsink sufficient to maintain the module's base temperature at less than 85°C under worst case ambient temperature and load conditions.
- The heatsink mounting surface should be a smooth (30-40 micro-inch finish), flat (30-40 micro-inch flatness across mating area), un-painted surface which is clean and free of oxidation.
- An even coating of thermal compound (Dow Corning DC340 or equivalent) should be applied to both the heatsink and module mounting surfaces and spread to a uniform depth of .002" to eliminate all air pockets.
- The module should be mounted to the heatsink using two #8 screws.

Operating Diagrams





Outline Dimensions



* OVERALL HEIGHT DIMENSION INCLUDES WITH CLEAR COVER
DIMENSION IN mm