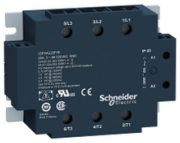
Product data sheet

Specifications



Solid state panel mount relay, 25 A, random switching, thermal pad, input 90…140 V AC, output 48…530 V AC

SSP3A225F7RT

Discontinued

Discontinued on: Oct 20, 2020

Main

Range of product	Harmony Relay
Provided accessory	Thermal interface
Product or component type	Solid state relay
Device short name	SSP
Mounting support	Panel
Number of phases	3 phases
Contacts type and conifguration	3 NO
Solid state output type	Random voltage switching

Complementary

test button	Without test button
Minimum switching voltage	90 V AC turn-on
Maximum switching voltage	10 V AC turn-off
Response time	20 ms (turn-on) 30 ms (turn-off)
Input current	7…16 mA
Load current	0.1…25 A
Transient overvoltage	1200 V
Surge current	275 A for 20 ms 300 A for 16.6 ms 85 A for 1 s
Maximum I²t for fusing	380 A².s for 10 ms at 50 Hz 370 A².s for 8.3 ms at 60 Hz
Maximum leakage current	3 mA off-state
Maximum voltage drop	<1.35 V on-state
DV/dt	500 V/µs off-state at maximum voltage
Power factor	0.5 (with maximum load)
Motor controller rating	0.75 hp 40 °C 120 V AC 1 hp 40 °C 240 V AC 3 hp 40 °C 480 V AC 4.4 hp 40 °C 530 V AC
Motor power kW	0.56 kW at 40 °C 120 V AC 0.74 kW at 40 °C 240 V AC 2.22 kW at 40 °C 480 V AC 3.24 kW at 40 °C 530 V AC

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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Insulation resistance	>= 1000 MOhm at 500 V DC
Maximum capacitance	8 pF for input/output
Dielectric strength	4 kV AC for input/output 4 kV AC for input or output to case
Tightening torque	0.9...1.1 N.m for input 1.7...2.2 N.m for output
Connections - terminals	Screw terminals: 1 x 0.2...1 x 2.5 mm², (AWG 24...AWG 14) for input Screw terminals: 1 x 1.5...1 x 10 mm², (AWG 16...AWG 8) for output
Thermal resistance	0.24 °C/W
LED indicator	LED, green for input
IP degree of protection	IP20
Net weight	0.24 kg
Width	101.3 mm
Height	79.7 mm
Depth	35.4 mm
Device presentation	Complete product

Environment

Flame retardance	V0 conforming to UL 94
Ambient air temperature for operation	-40…80 °C
Ambient air temperature for storage	-40…125 °C
Pollution degree	2
Overvoltage category	III
Product certifications	CSA UL
Marking	CE
Standards	IEC 61000 IEC 60950-1 IEC 62314

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18

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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	134201bc-d293-4667-9cca-10a7f11729e0
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

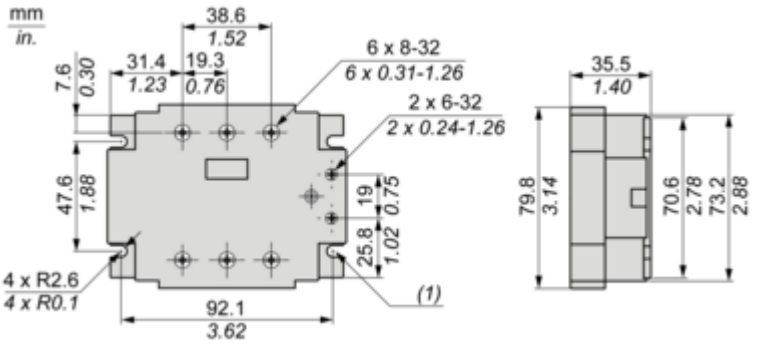
Repack and remanufacture

End of life manual availability	End of Life Information

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Dimensions Drawings

Dimensions

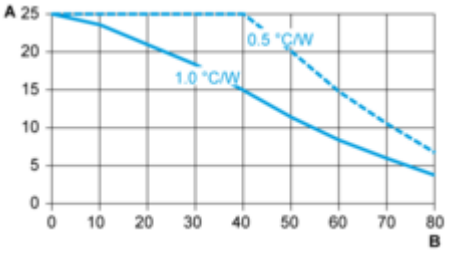


(1) 4 Mounting slots

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Performance Curves

Derating Curves

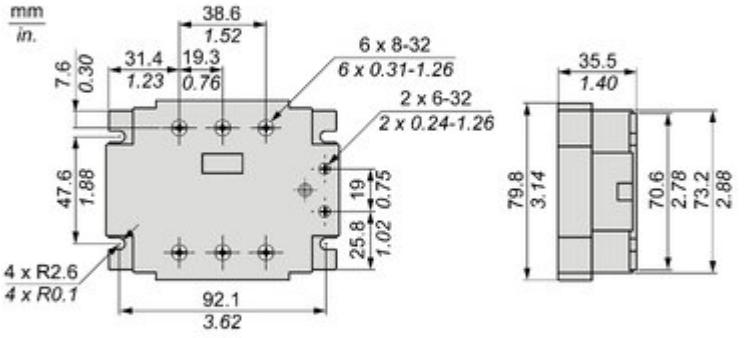


A : Load Current (Amperes)
B : Ambient Temperature (°C)

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Technical Illustration

Dimensions



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