# Product data sheet





## solid state relay -panel-input 90-140VAC, output 48-530VAC, 25A-Thermal Interface

SSP3A225F7RT

Discontinued on: Nov 1, 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

Control Type	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	716 mA	
Load Current	0.125 A	
Transient Overvoltage	1200 V	
Surge Current	275 A for 20 ms 300 A for 16.6 ms 85 A for 1 s	
Maximum I <sup>2</sup> T For Fusing	380 A <sup>2</sup> .s for 10 ms at 50 Hz 370 A <sup>2</sup> .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	

List Price displayed is VAT EXCLUSIVE.



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	0.91.1 N.m for input 1.72.2 N.m for output	
Connections - Terminals	Screw terminals: 1 x 0.21 x 2.5 mm², (AWG 24AWG 14) for input Screw terminals: 1 x 1.51 x 10 mm², (AWG 16AWG 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	-4080 °C	
Ambient Air Temperature For Storage	-40125 °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



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Transparency RoHS/REACh

#### Well-being performance



Mercury Free



Rohs Exemption Information

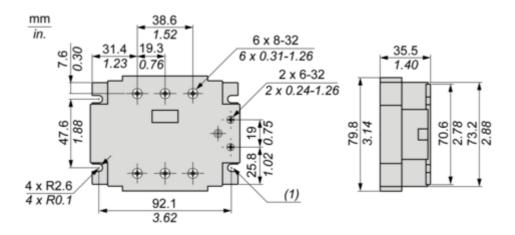
Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

#### **Dimensions Drawings**

#### **Dimensions**



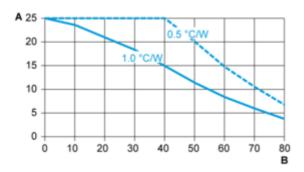
(1) 4 Mounting slots

## **Product data sheet**

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#### Performance Curves

#### **Derating Curves**



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