Product data sheet

Specifications





solid state relay - panel mounting - input 90-140 V AC, output 48-530 V AC, 25A

SSP3A225F7R

! Discontinued on: Dec 2, 2020

! End-of-service on: Dec 31, 2020

① Discontinued

Main

Range Of Product	Harmony Relay
Product Or Component Type	Solid state relay
Device Short Name	SSP
Mounting Support	Panel
Number Of Phases	3 phase
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 20 ms 300 A 16.6 ms 85 A 1 s
Maximum I ² T For Fusing	380 A ² .s for 10 ms at 50 Hz 370 A ² .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 104 °F (40 °C) 120 V AC 1 hp 104 °F (40 °C) 240 V AC 3 hp 104 °F (40 °C) 480 V AC 4.4 hp 104 °F (40 °C) 530 V AC
Motor Power Kw	0.56 kW 104 °F (40 °C) 120 V AC 0.74 kW 104 °F (40 °C) 240 V AC 2.22 kW 104 °F (40 °C) 480 V AC 3.24 kW 104 °F (40 °C) 530 V AC

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.



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) input Screw terminals 1 x 1.51 x 10 mm², AWG 16AWG 8) output	
Thermal Resistance	0.24 °C/W	
Led Indicator	LED, green input	
Ip Degree Of Protection	IP20	
Net Weight	0.53 lb(US) (0.24 kg)	-
Width	3.99 in (101.3 mm)	
Height	3.14 in (79.7 mm)	
Depth	1.39 in (35.4 mm)	
Device Presentation	Complete product	

Environment

Flame Retardance	V0 conforming to UL 94
Ambient Air Temperature For Operation	-40176 °F (-4080 °C)
Ambient Air Temperature For Storage	-40257 °F (-40125 °C)
Pollution Degree	2
Overvoltage Category	III
Product Certifications	UL CSA
Marking	CE
Standards	IEC 61000 IEC 62314 IEC 60950-1

Ordering and shipping details

Category	22375-INTERFACE MODULE(ABA,R,S)	
Discount Schedule	CP2	
Gtin	00785901978329	
Returnability	No	
Country Of Origin	MX	

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

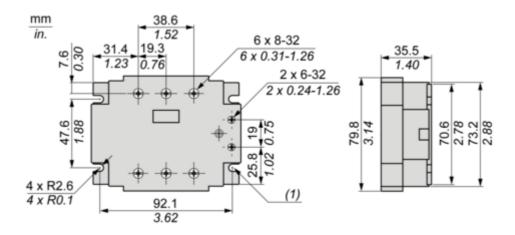
Yes

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
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

Dimensions Drawings

Dimensions



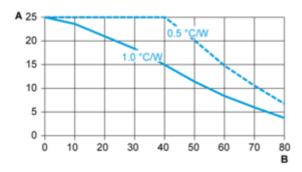
(1) 4 Mounting slots

Product data sheet

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Performance Curves

Derating Curves



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