Product data sheet

Specifications





Solid state relay, Harmony, 25A, panel mount, zero voltage switching, input 180…280V AC, output 48…530V AC

SSP3A225P7



(!) Discontinued on: Jun 15, 2023

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Of Product	Harmony Solid State Relays
Product Or Component Type	Solid state relay up to 30 A
Device Short Name	SSP
Mounting Support	Panel
Number Of Phases	3 phase
Line Rated Current	25 A
Solid State Output Type	Zero voltage switching
Output Switching Mode	Zero voltage switching

Complementary

Control Type	Without test button	
Minimum Switching Voltage	180 V AC turn-on	
Maximum Switching Voltage	10 V AC turn-off	
Response Time	20 ms (turn-on) 30 ms (turn-off)	
Input Current	720 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	

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

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	
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 60950-1 IEC 62314

Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
Gtin	3606480579806
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.57 in (4.0 cm)
Package 1 Width	3.15 in (8.0 cm)

Package 1 Length	4.72 in (12.0 cm)
Package 1 Weight	9.88 oz (280.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	27
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	25.43 lb(US) (11.534 kg)

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

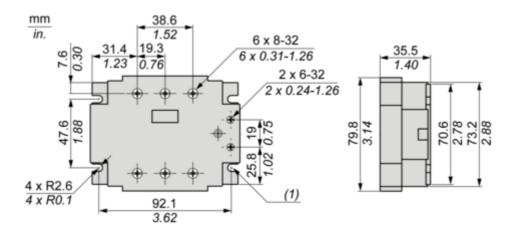
Yes

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



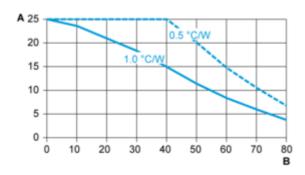
(1) 4 Mounting slots

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Performance Curves

Derating Curves



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