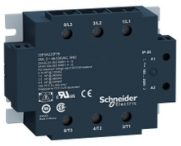
Product data sheet

Specifications



three phase relay, Harmony Solid State Relays, 25A, panel mount, zero voltage switching, input 18 to 36V AC, output 48 to 530V AC

SSP3A225B7

Discontinued

Discontinued on: Aug 15, 2024

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
Output switching mode	Zero voltage switching

Complementary

solid state switching type	Zero voltage switching
test button	Without test button
[Uc] control circuit voltage	18...36 V AC
pick-up voltage	18 V AC turn-on
drop-out voltage	2 V AC turn-off
Response time	20 ms (turn-on) 30 ms (turn-off)
input current range	15…20 mA
Output voltage	48...530 V AC
Load current	0.1…25 A
Transient overvoltage	1200 V
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)
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

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

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

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, 24 AWG...14 AWG) input Screw terminals 1 x 1.5...1 x 10 mm², 16 AWG...8 AWG) output
Thermal resistance	0.24 °C/W
Local signalling	LED, green input
IP degree of protection	IP20
Net Weight	0.53 lb(US) (0.24 kg)
Overvoltage category	III
Width	4.0 in (101.3 mm)
Height	3.1 in (79.7 mm)
Depth	1.4 in (35.4 mm)
Device presentation	Complete product
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
Surge current	275 A 20 ms 300 A 16.6 ms 85 A 1 s

Environment

Flammability rating	V0 conforming to UL 94
Ambient Air Temperature for Operation	-40…176 °F (-40…80 °C)
Ambient Air Temperature for Storage	-40…257 °F (-40…125 °C)
Pollution degree	2
Marking	CE
Standards	IEC 60950-1 IEC 62314 IEC 61000
Product Certifications	CSA UL

Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
GTIN	3606480579837
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.6 in (4 cm)
Package 1 Width	3.3 in (8.5 cm)

Package 1 Length	4.7 in (12 cm)
Package weight(Lbs)	9.7 oz (276 g)
Unit Type of Package 2	S02
Number of Units in Package 2	27
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	17.293 lb(US) (7.844 kg)

Contractual warranty

Warranty (in months)	18

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

Total lifecycle Carbon footprint	**2 587 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**2 586 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.1 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**134201bc-d293-4667-9cca-10a7f11729e0**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**

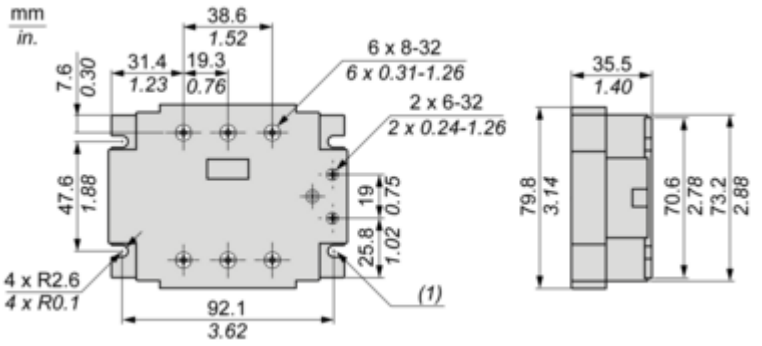
Use Again

Repack and remanufacture

Circularity Profile	End of Life Information

Dimensions Drawings

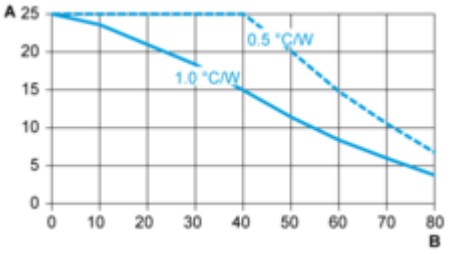
Dimensions



(1) 4 Mounting slots

Performance Curves

Derating Curves



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

Image of product / Alternate images

Alternative













Image of product in real life situation

