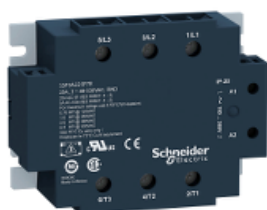


SSP3A250P7

solid state relay - panel mounting - input 180-280 V AC, output 48-530 V AC, 50A



Price* : 117.18 GBP



Main

Range of product	Harmony Relay
Product or component type	Solid state relay
Device short name	SSP
Mounting support	Panel
Number of phases	3 phases
Contacts type and configuration	3 NO
Solid state output type	Zero voltage switching

Complementary

Control type	Without test button
[Uc] control circuit voltage	180...280 V AC
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	7...20 mA
Output voltage	48...530 V AC
Load current	0.1...50 A
Transient overvoltage	1200 V
Surge current	715 A for 20 ms 750 A for 16.6 ms 150 A for 1 s
Maximum I ² t for fusing	2520 A ² .s for 10 ms at 50 Hz 2320 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	1.5 hp 40 °C 120 V AC 3 hp 40 °C 240 V AC 7.5 hp 40 °C 480 V AC 8.8 hp 40 °C 530 V AC
Motor power kW	1.11 kW at 40 °C 120 V AC 2.22 kW at 40 °C 240 V AC 5.55 kW at 40 °C 480 V AC 6.47 kW at 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	0.9...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	0.12 °C/W
LED indicator	LED, green for input
IP degree of protection	IP20
Product 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	UL REACH RoHS CSA
Marking	CE
Standards	IEC 60950-1 IEC 62314 IEC 61000

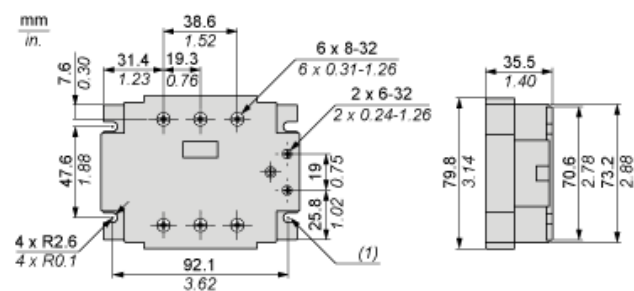
Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

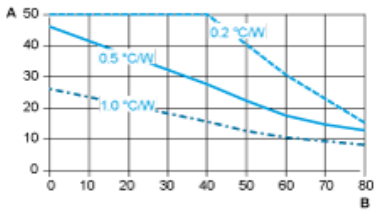
Warranty	18 months
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Dimensions



(1) 4 Mounting slots

Derating Curves



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