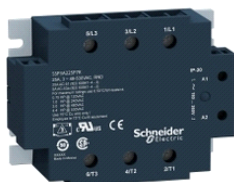


SSP3A250BDT

solid state relay - panel-input 4-32VDC, output 48-530VAC, 50A-Thermal Interface



Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Provided equipment	Thermal interface
Device short name	SSP
Mounting support	Panel
Network number of phases	3 phases
Contacts type and composition	3 NO
Solid state output type	Zero voltage switching

Complementary

Control type	Without test button
[Uc] control circuit voltage	4...32 V DC
Minimum switching voltage	4 V DC turn-on
Maximum switching voltage	1 V DC turn-off
Response time	8.33 ms turn-on 8.33 ms turn-off
Input current limits	24...35 mA
Output voltage	48...530 V AC
Load current	0.1...50 A
Absolute maximum voltage	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 half cycle 2320 A ² .s for 8.3 ms at 60 Hz half cycle
Leakage current	<= 3 mA off-state
Voltage drop	<= 1.35 V on-state
DV/dt	500 V/μs off-state at maximum voltage
Cos phi	>= 0.5 with maximum load
Motor power hp	1.5 hp at 40 °C 120 V AC 3 hp at 40 °C 240 V AC 7.5 hp at 40 °C 480 V AC 8.8 hp at 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
Capacitance unbalance	<= 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 mm ² , (AWG 24...AWG 14) for input Screw terminals : 1 x 1.5...1 x 10 mm ² , (AWG 16...AWG 8) for output
Thermal resistance	0.12 °C/W
Local signalling	LED, green for input
IP degree of protection	IP20
Product weight	0.36 kg

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