# SSP3A225BD





#### Main

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

### Complementary

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Control type	Without test button
[Uc] control circuit voltage	432 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	2435 mA
Output voltage	48530 V AC
Load current	0.125 A
Absolute maximum voltage	1200 V
Surge current	<= 275 A 20 ms <= 300 A 16.6 ms <= 85 A 1 s
Maximum I <sup>2</sup> t for fusing	380 A <sup>2</sup> .s 10 ms at 50 Hz half cycle 370 A <sup>2</sup> .s 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	0.75 hp at 104 °F (40 °C) 120 V AC 1 hp at 104 °F (40 °C) 240 V AC 3 hp at 104 °F (40 °C) 480 V AC 4.4 hp at 104 °F (40 °C) 530 V AC
Motor power kW	0.56 kW at 104 °F (40 °C) 120 V AC 0.74 kW at 104 °F (40 °C) 240 V AC 2.22 kW at 104 °F (40 °C) 480 V AC 3.24 kW at 104 °F (40 °C) 530 V AC
Insulation resistance	>= 1000 MOhm at 500 V DC
Capacitance unbalance	<= 8 pF input/output
Dielectric strength	4 kV AC input/output 4 kV AC input or output to case
Tightening torque	0.91.1 N.m input 1.72.2 N.m 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 resitance	0.24 °C/W
Local signalling	LED, green input
IP degree of protection	IP20
Product weight	0.79 lb(US) (0.36 kg)

Height	79.7 mm
Depth	35.4 mm

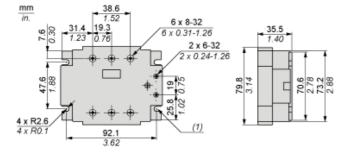
#### **Environment**

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	CSA RoHS UL REACH
marking	CE
standards	IEC 61000 IEC 60950-1 IEC 62314

## Offer Sustainability

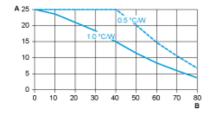
Green Premium product	Green Premium product
Compliant - since 1328 - Schneider Electric declaration of conformity	Compliant - since 1328 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	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.	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	For more information go to www.p65warnings.ca.gov

### **Dimensions**



(1) 4 Mounting slots

## **Derating Curves**



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

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