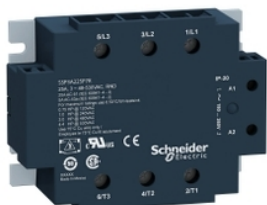


SSP3A225BDT

panel mount relay, Harmony Solid State Relays, 25A, zeroVoltage switching, thermal pad, input 4...32V DC, output 48...530V AC



Main

Range of Product	Harmony Solid State Relays
Product or Component Type	Solid state relay up to 30 A
Provided accessory	Thermal interface
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
[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	24...35 mA
Output voltage	48...530 V AC
Load current	0.15...25 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
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	0.9...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) input Screw terminals 1 x 1.5...1 x 10 mm ² , AWG 16...AWG 8) output
Thermal resistance	0.24 °C/W
LED indicator	LED, green input

IP degree of protection	IP20
Net Weight	0.82 lb(US) (0.37 kg)
Width	4.09 in (104 mm)
Height	2.94 in (74.6 mm)
Depth	1.61 in (41 mm)
Device presentation	Complete product

Environment

Flame retardance	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
Overvoltage category	III
Product Certifications	UL CSA
Marking	CE
Standards	IEC 61000 IEC 60950-1 IEC 62314

Ordering and shipping details

Category	22375-INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	3606480579981
Returnability	No
Country of origin	MX

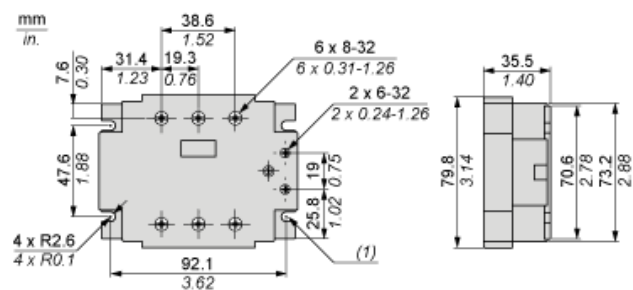
Packing Units

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	9.49 oz (269.0 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	16.95 lb(US) (7.688 kg)

Offer Sustainability

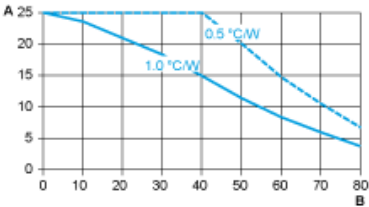
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Dimensions



(1) 4 Mounting slots

Derating Curves



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