

SSP3A250F7T

solid state relay -panel-input 90-140VAC,
output 48-530VAC,50A-Thermal Interface



Product availability: Stock - Normally stocked in distribution facility



Main

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

Complementary

Control type	Without test button
[Uc] control circuit voltage	90...140 V AC
Minimum switching voltage	90 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...16 mA
Output voltage	48...530 V AC
Load current	0.1...50 A
Transient overvoltage	1200 V
Surge current	715 A 20 ms 750 A 16.6 ms 150 A 1 s
Maximum I ² t for fusing	2520 A ² .S 10 ms 50 Hz 2320 A ² .s 8.3 ms 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 104 °F (40 °C) 120 V AC 3 Hp 104 °F (40 °C) 240 V AC 7.5 Hp 104 °F (40 °C) 480 V AC 8.8 hp 104 °F (40 °C) 530 V AC
Motor power kW	1.11 KW 104 °F (40 °C) 120 V AC 2.22 KW 104 °F (40 °C) 240 V AC 5.55 KW 104 °F (40 °C) 480 V AC 6.47 kW 104 °F (40 °C) 530 V AC
Insulation resistance	>= 1000 MOhm 500 V DC
Maximum capacitance	8 pF input/output
Dielectric strength	4 KV AC input/output 4 kV AC input or output to case
Tightening torque	0.9...1.1 N.m input 1.7...2.2 N.m 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	0.12 °C/W
LED indicator	LED, green input

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

IP degree of protection	IP20
Product weight	0.53 lb(US) (0.24 kg)
Width	3.99 in (101.3 mm)
Height	3.14 in (79.7 mm)
Depth	1.39 in (35.4 mm)
Device presentation	Complete product

Environment

Flame retardance	V0 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	RoHS REACH CSA UL
Marking	CE
Standards	IEC 61000 IEC 60950-1 IEC 62314

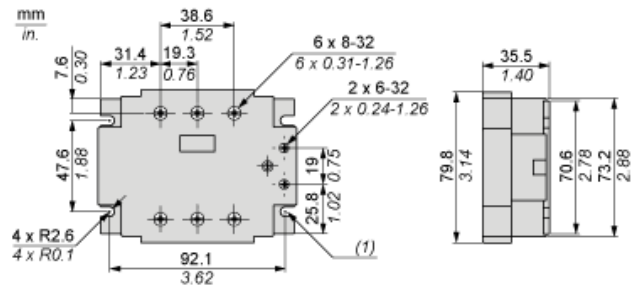
Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901971085
Package weight(Lbs)	0.41 kg (0.91 lb(US))
Returnability	Yes
Country of origin	MX

Offer Sustainability

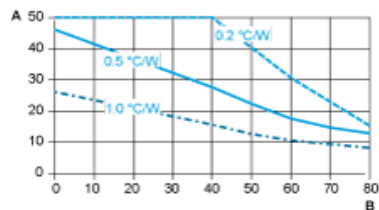
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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)