Product datasheet

Specification





Harmony, Solid state relay, 2 A, zero voltage switching, input 38... 72 V DC, output 24...280 V AC

SSL1A12ND

! Discontinued on: 30 Jun 2021



! End-of-service on: 31 Dec 2021

Main

Range Of Product	Harmony Relay
Product Or Component Type	Solid state relay
Device Short Name	SSL
Network Number Of Phases	1 phase

Complementary

Mounting Support	Control
mounting Support	Socket
[In] Rated Current	2 A
Output Voltage	24280 V AC
[Uc] Control Circuit Voltage	3872 V DC
Contacts Type And Configuration	1 NO
Capacitance Unbalance	1.5 pF input/output
Minimum Switching Voltage	38 V DC turn-on
Maximum Switching Voltage	28 V DC turn-off
Input Current Limits 4 mA	
Input Impedance	20 kOhm
Solid State Output Type	Zero voltage switching SCR output
Load Current	0.072 A
Tansient Overvoltage	600 V AC
Surge Current	120 A for 16.6 ms 115 A for 20 ms
Maximum Voltage Drop	<1.1 V on-state
Maximum I ² T For Fusing	285 A ² .s for 10 ms at 50 Hz 260 A ² .s for 8.3 ms at 60 Hz
Maximum Leakage Current	4 mA off-state
Dv/Dt	500 V/μs off-state at maximum voltage
Response Time	0.5 cycle (turn-on) 0.5 cycle (turn-off)
Overvoltage Category	III
Width	5 mm

Height	28 mm
Depth	15 mm
Net Weight	0.0041 kg

Environment

Flame Retardance	V0 conforming to UL 94	
Dielectric Strength	2500 V for input/output	
Pollution Degree	2	
Product Certifications CSA UL		
Marking	CE	
Ambient Air Temperature For Operation	-2080 °C	
Ambient Air Temperature For Storage	r Temperature For -2085 °C	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

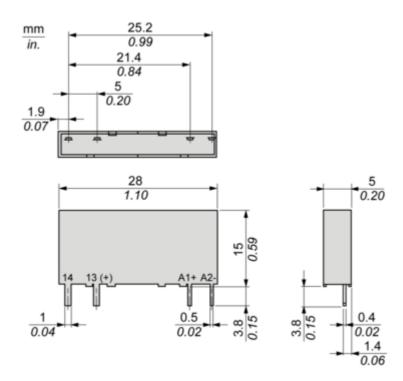
	Reach Free Of Svhc	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions

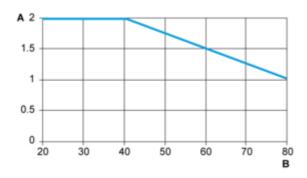


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Performance Curves

Derating Curves



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