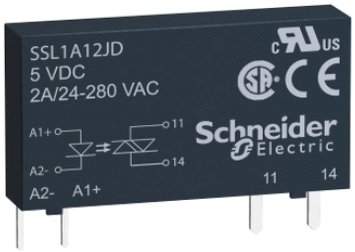
Product datasheet
Characteristics

SSL1A12JD
solid state relay,Plug-in,input 3-12 V DC, output 24-280 V AC, 2A



Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Device short name	SSL
Network number of phases	1 phase

Complementary

Mounting support	Socket
[In] rated current	2 A
Output voltage	24...280 V AC
[Uc] control circuit voltage	3...12 V DC
Contacts type and composition	1 NO
Capacitance unbalance	1.5 pF input/output
Minimum switching voltage	3 V DC turn-on
Maximum switching voltage	1 V DC turn-off
Input current limits	15 mA
Input impedance	333 kOhm
Solid state output type	Random voltage switching
Load current	0.07...2 A
Absolute maximum voltage	600 V
Surge current	120 A for 16.6 ms 115 A for 20 ms
Voltage drop	<= 1.1 V on-state
Maximum I^2t for fusing	260 $A^2.s$ for 8.3 ms at 60 Hz half cycle 285 $A^2.s$ for 10 ms at 50 Hz half cycle
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
Product 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 REACH
marking	CE

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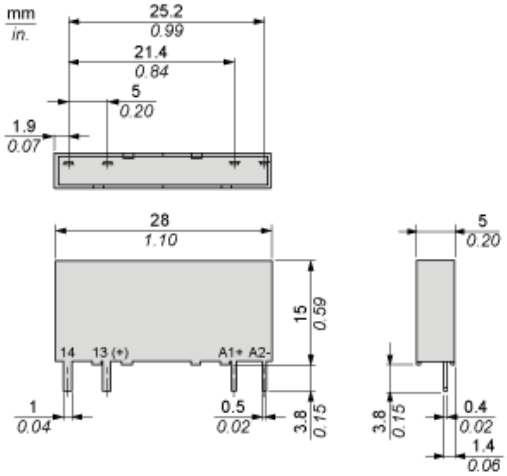
ambient air temperature for operation	-20...80 °C
ambient air temperature for storage	-20...85 °C

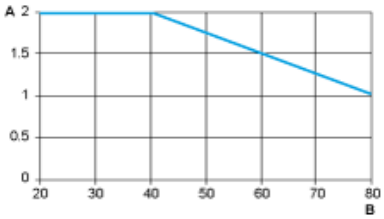
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1417 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Dimensions



Derating Curves



A : Load Current (Amperes)

B : Ambient Temperature (°C)