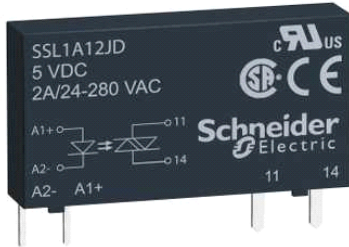


SSL1A12BDR

solid state relay, Plug-in, input 15-30 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
Control circuit voltage	15...30 V DC
Contacts type and composition	1 NO
Capacitance unbalance	≤ 1.5 pF input/output
Switching voltage	≤ 10 V DC turn-off ≥ 15 V DC turn-on
Input current limits	6 mA
Input impedance	3500 Ohm
Solid state output type	SCR output Random voltage switching
Load current	0.07...2 A
Absolute maximum voltage	600 V
Surge current	≤ 115 A for 20 ms ≤ 120 A for 16.6 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/ μ s off-state at maximum voltage
Response time	0.5 cycle turn-off 0.1 ms turn-on
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
standards	IEC 61000 IEC 60950-1 IEC 62314
product certifications	CSA

	UL REACH
marking	CE
IP degree of protection	IP67
ambient air temperature for operation	-20...80 °C
ambient air temperature for storage	-20...85 °C

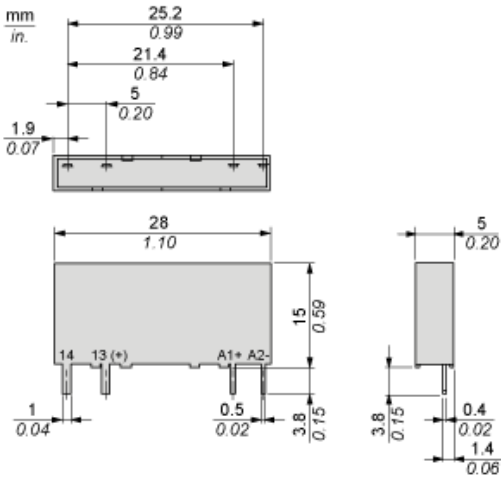
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - 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

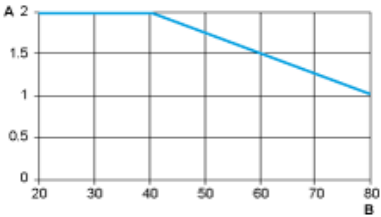
Contractual warranty

Warranty period	18 months
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Dimensions



Derating Curves



A : Load Current (Amperes)

B : Ambient Temperature (°C)