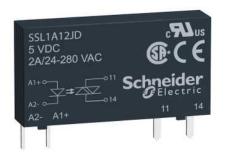
Product data sheet Characteristics

SSL1A12BDR

solid state relay, Plug-in, input 15-30 V DC, output 24-280 V AC, 2A





Main

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

Complementary

Complementary	
Mounting support	Socket
[In] rated current	2 A
Output voltage	24280 V AC
Control circuit voltage	1530 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	0.072 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 ² t 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	0.1 ms turn-on 0.5 cycle turn-off
Overvoltage category	III
Width	5 mm
Height	28 mm
Depth	15 mm
Product weight	0.0041 kg

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 with respect to a specific user applications. It is the documentation is substitute for any or any 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. "Prices are indicative

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 RoHS UL REACH
Marking	CE
IP degree of protection	IP67
Ambient air temperature for operation	-2080 °C
Ambient air temperature for storage	-2085 °C

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)	
Discount Schedule	CP2	
GTIN	00785901641025	
Nbr. of units in pkg.	12	
Package weight(Lbs)	0.01	
Returnability	N	
Country of origin	MX	

Offer Sustainability

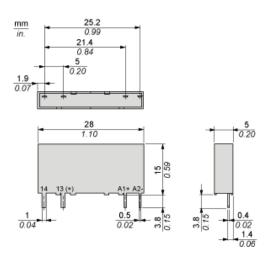
<u> </u>		
Sustainable offer status	Green Premium product	
REACh	Reference not containing SVHC above the threshold	
Product environmental profile	Available Download Product Environmental	
Product end of life instructions	Need no specific recycling operations	



Product data sheet Dimensions Drawings

SSL1A12BDR

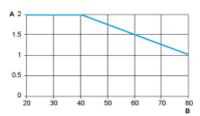
Dimensions



Product data sheet Performance Curves

SSL1A12BDR

Derating Curves



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