# Product data sheet

Specification





# Solid state relay, 2 A, random switching, input 38…72 V DC, output 24...280 V AC

SSL1A12NDR

! Discontinued on: Jan 23, 2021



#### Main

Range of Product	Harmony Relay
Product or Component Type	Solid state relay
Device short name	SSL
Phase	1 phase

## Complementary

Mounting Support	Socket	
Line 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	SCR output Random voltage switching	
load current	0.072 A	
tansient Overvoltage	600 V AC	
Surge current	120 A 16.6 ms 115 A 20 ms	
Maximum voltage drop	<1.1 V on-state	
Maximum I <sup>2</sup> t for fusing	285 A <sup>2</sup> .s for 10 ms at 50 Hz 260 A <sup>2</sup> .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-off) 0.1 ms (turn-on)	
Overvoltage category	III	
Width	0.2 in (5 mm)	
Height	1.1 in (28 mm)	

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Depth	0.6 in (15 mm)
Net Weight	0.0090 lb(US) (0.0041 kg)

## **Environment**

Flame retardance	V0 conforming to UL 94	
Dielectric strength	2500 V for input/output	
Pollution degree	2	
Product Certifications	UL CSA	
marking	CE	
Ambient Air Temperature for Operation	-4176 °F (-2080 °C)	
Ambient Air Temperature for Storage	-4185 °F (-2085 °C)	

## Ordering and shipping details

Category	22375-INTERFACE MODULE(ABA,R,S)	
Discount Schedule	CP2	
GTIN	3606480579752	
Returnability	No	
Country of origin	MX	

# **Packing Units**

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	0.3 in (0.7 cm)	
Package 1 Width	1.0 in (2.5 cm)	
Package 1 Length	14.6 in (37 cm)	
Package 1 Weight	0.2 oz (5 g)	



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Transparency RoHS/REACh

#### Well-being performance

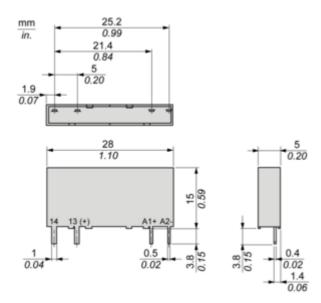
	Reach Free Of Svhc	
<b>②</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

#### **Certifications & Standards**

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
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 cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

#### **Dimensions Drawings**

#### **Dimensions**

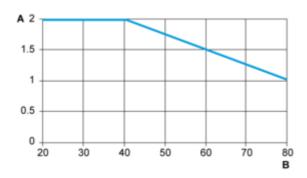


## **Product data sheet**

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#### Performance Curves

#### **Derating Curves**



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