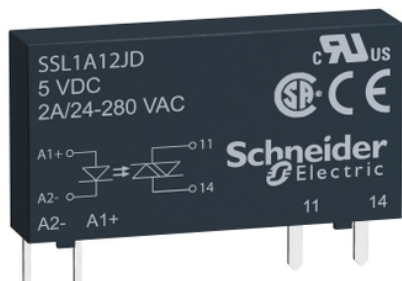


SSL1A12ND

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



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	24...280 V AC
[Uc] control circuit voltage	38...72 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	0.07...2 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 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	0.20 in (5 mm)
Height	1.10 in (28 mm)
Depth	0.59 in (15 mm)
Net weight	0.01 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	CSA UL
Marking	CE
Ambient air temperature for operation	-4...176 °F (-20...80 °C)
Ambient air temperature for storage	-4...185 °F (-20...85 °C)

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901968276
Nbr. of units in pkg.	12
Package weight(Lbs)	0.01 lb(US) (0.00 kg)
Returnability	No
Country of origin	MX

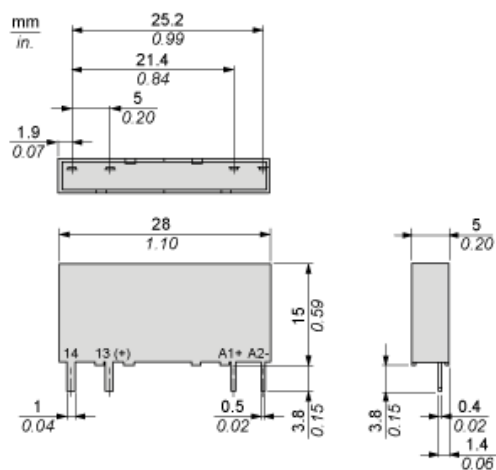
Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.28 in (0.7 cm)
Package 1 width	0.98 in (2.5 cm)
Package 1 Length	14.57 in (37 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	2.12 oz (60 g)
Package 2 Height	0.28 in (0.7 cm)
Package 2 width	0.98 in (2.5 cm)
Package 2 Length	14.57 in (37 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	1080
Package 3 Weight	12.53 lb(US) (5.684 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)

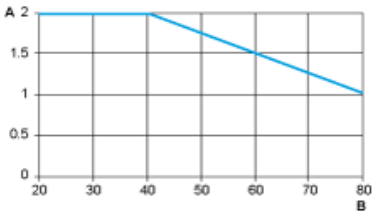
Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Dimensions



Derating Curves



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