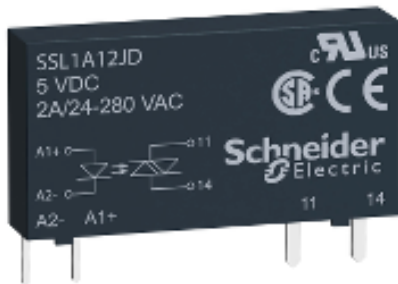# Product data sheet
Characteristics

SSL1A12BD

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

Product availability : Stock - Normally stocked in distribution facility

Green Premium®

Price* : 1460.00 USD

Main

Range of product	Zelio 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
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	Zero voltage switching SCR output
Load current	0.07...2 A
Absolute maximum voltage	600 V
Surge current	<= 115 A 20 ms <= 120 A 16.6 ms
Voltage drop	<= 1.1 V on-state
Maximum I²t for fusing	260 A².s 8.3 ms at 60 Hz half cycle 285 A².s 10 ms at 50 Hz half cycle
Leakage current	<= 4 mA off-state
DV/Dt	500 V/µs off-state at maximum voltage

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Response time	0.5 cycle turn-on
	0.5 cycle turn-off
Overvoltage category	III
Width	0.2 in (5 mm)
Height	1.1 in (28 mm)
Depth	0.59 in (15 mm)
Product weight	0.01 lb(US) (0.0041 kg)

Environment

Flame retardance	V0 conforming to UL 94
Dielectric strength	2500 V 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	-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	00785901968269
Nbr. of units in pkg.	12
Package weight(Lbs)	0.01
Returnability	Y
Country of origin	MX

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - Schneider Electric declaration of conformity
	Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

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