

# Product data sheet

## Characteristics

# 9AS3A120

Electromechanical Power Relays, SE Relays 9A, 30A, 120VAC SPST-NO, flanged panel mount, sealed cover



### Main

Product Range	Harmony
Product Type	Power relay
Switch Function	SPST
Contact Composition	NO
Contacts Material	Silver alloy contacts
[Uc] Control Circuit Voltage	120 V AC 50-60 Hz
Maximum Switching Voltage	277 V AC 28 V DC

### Complementary

Load Current	30 A
Operating Position	Any position
Rated Power in VA	470 VA at 240 V on pilot duty
Network Frequency	50-60 Hz
Rated Power in HP	1 Hp at 125 V AC 2 hp at 250 V AC
Minimum Switching Capacity	5 W at 1 A, 5 V DC 12 VA at 1 A, 12 V AC
Rated Operational Current	30 A at 240 V AC-1 30 A at 28 V DC (on resistive load) 24 A at 240 V AC (on resistive load) 98 A at 120 V AC-8a (locked rotor) 22 A at 120 V AC-8a (full load) 10 A at 277 V AC-5a (ballast)
Control Circuit Voltage Limits	0.85...1.1 Uc
Average Resistance	2500 Ohm at 73 °F (23 °C) +/- 10 %
Connections Terminals	Faston terminals contact terminal AWG 12...AWG 10, connection size: 6.35 x 0.8 mm Faston terminals coil terminal AWG 22...AWG 14, connection size: 4.8 x 0.5 mm
Drop-out Voltage Threshold	>= 0.2 Uc
Average Consumption	2.6 VA
Rated Impulse Withstand Voltage	4 kV 1.2/50 µs
Electrical Durability	100000 Cycles, 30 A at 240 V, AC-1 50000 Cycles for resistive load, 30 A at 28 V, DC 100000 Cycles for resistive load, 24 A at 240 V, AC 30000 Cycles for full load, 22 A at 120 V, AC-8a 1000 Cycles for motor load 6000 cycles for ballast load, 10 A at 277 V, AC-5a
Mechanical Durability	10000000 cycles
Operate Time	20 ms
Release Time	10 ms
Dielectric Strength	2500 V AC between coil and contact 1500 V between contacts with micro disconnection
Rated Insulation Voltage	320 V
Mounting Support	Panel flange
Protection Category	RT III
Product Weight	0.07 lb(US) (0.032 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 for specific user applications. It is the duty of any such user 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.

## Environment

Shock Resistance	10 gn operating 100 gn not operating
Pollution Degree	3
Vibration Resistance	+/- 0.75 mm 10...55 Hz operating +/- 0.75 mm 10...55 Hz not operating
Ambient Temperature Range - Operational	-40...104 °F (-40...40 °C)
Ambient Temperature Range - Storage	-40...185 °F (-40...85 °C)
Product Certifications	UL
Height	1.97 in (50 mm)
Width	1.07 in (27.3 mm)
Depth	1.09 in (27.8 mm)
Standards	UL 60947-4-1

## Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3606489915247
Nbr. of units in pkg.	1
Package weight(Lbs)	1.13 oz (32 g)
Returnability	Yes
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.09 in (2.78 cm)
Package 1 width	1.07 in (2.72 cm)
Package 1 Length	1.97 in (5 cm)

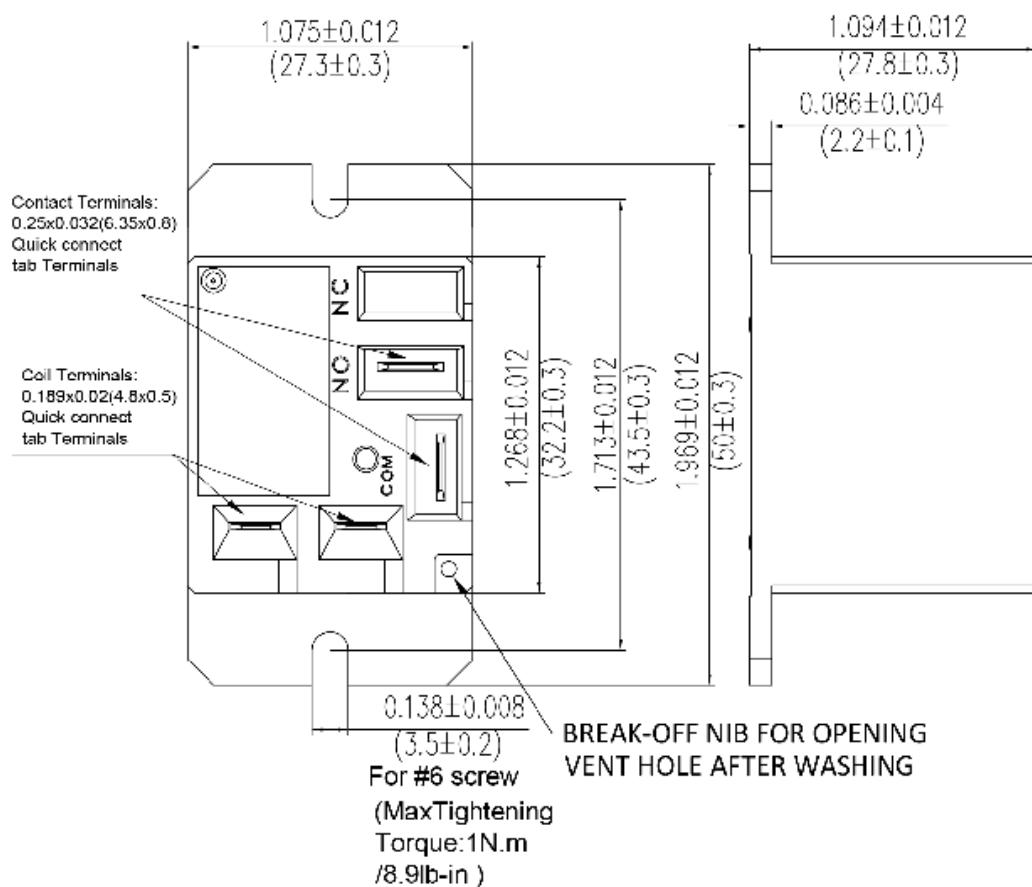
## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<input checked="" type="checkbox"/> <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Lead free	Yes
Mercury free	Yes
RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> <a href="#">China RoHS Declaration</a>
Environmental Disclosure	<input checked="" type="checkbox"/> <a href="#">Product Environmental Profile</a>
Circularity Profile	<input checked="" type="checkbox"/> <a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes
Silicon free	Yes
Phenolic free solution	Yes

## Approximate Dimensions

14

Unit:  
in.  
(mm)



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Connections and Wiring Diagrams

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