

AHY103 | HY Relays

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To Be Discontinued Last time buy September 30, 2024

Product Number	HY1-12V
Part Number	AHY103
Details	Single side stable type, Standard PC board terminal, 12V DC
Product name	HY Relays
Features	Non-polarized compact 1Form C relay that achieves 150 mW power consumption

Substituta -
Sub Prod No. -
Sub Part No. -
Remark Sorry, no suggested alternative products.

* "Product Number " is ordering part number for non Japanese market. " Part Number " is ordering part number for Japanese market.

*Photo may vary from actual product.

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As of November 02, 2022

Specifications and design of the products are subject to change without notice for the product improvement.

Spec Detail

Item	Specifications
Product Number	HY1-12V
Part Number	AHY103
Protective construction	Sealed Type
Terminal shape	Standard PC board terminal
Contact arrangement	1 Form C
Contact material	Ag+Au clad
Operating function	Single side stable type
Nominal operating power	150mW
Nominal coil voltage	12V DC
Pick-up voltage (at20°C 68°F)	75%V or less of nominal voltage (Initial)
Drop-out voltage (at20°C 68°F)	10%V or more of nominal voltage (Initial)
Nominal switching capacity (resistive load)	1 A 30 V DC
Max. switching current	2 A
Min. switching capacity	1mA 1 V DC
Breakdown voltage (Initial) : Between open contacts	500 Vrms for 1min. (Detection current: 10mA.)
Breakdown voltage (Initial) : Between contact and coil	1,000 Vrms for 1min. (Detection current: 10mA.)
Expected life : Mechanical	Min. 10 ⁷ (at 180 cpm)
Expected life : Electrical	Min. 10 ⁵ (1 A 30 V DC resistive) (at 20 cpm)
Conditions	Ambient temperature: -40 to +70°C -40 to +158°F Humidity: 5 to 85% R.H. (Not freezing and condensing at low temperature)
Height (mm)	10.1
Unit weight	Approx. 1.8 g .063 oz


Packing style	Tube packing
Standard packing: Inner packing (pcs.)	50
Standard packing: Case (pcs.)	2000

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Information on Compliance with Standards

Standard Name	Status	Information on Compliance	
UL	Approval	File No.	E43149
		Rating	1A 30V DC
		Remarks	Approved by 100,000 operation rating
		Last update	February 28, 2013
CSA	Approval	File No.	LR26550
		Rating	1A 30V DC
		Remarks	Approved by 100,000 operation rating
		Last update	May 28, 1991

Mark on products* 

* The "Mark on products" field shows the standards' certificate type marked to products. Note that not all certified products have a certificate mark affixed to them.

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