



22.5×15×16.3

NF115

Features

- Low profile.
- Low temperature rise.
- Suitable for automation system and automobile auxiliary etc.

Ordering Information

<u>NF115</u>	<u>100</u>	<u>E</u>	<u>12</u>	<u>S</u>	<u>D</u>	<u>XXXX</u>
1	2	3	4	5	6	7
1. Type:	NF115	2. Contact arrangement:	100 = 1A	6. Coil suppression:	Nil = Standard;	
3. Contact material:	E = Ag alloy	7. Special:			R = Resistor;	
4. Coil voltage:	12 = 12VDC				XXXX = Letters and / or	
5. Protection:	Nil = Dust cover; S = Sealed type;				number for special	
					custom design	

Contact Data

Contact Arrangement	1A(SPSTNO)
Contact material	AgSnO ₂
Contact Rating (resistive)	25A/14VDC
Max. Switching Power	350W
Max. Switching voltage	75VDC
Contact resistance or Voltage drop	50mΩ
Operation life	Electrical 10 ⁵
	Mechanical 10 ⁶

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%		Pick up voltage VDC(max) (65% of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption (W)		Operate Time ms	Release Time ms
	Rated	Max.	Without resistor	With resistor			Without resistor	With resistor		
012-1070	12	15.6	135	120	7.8	1.2	Approx. 1.07	Approx. 1.2	≤10	≤10

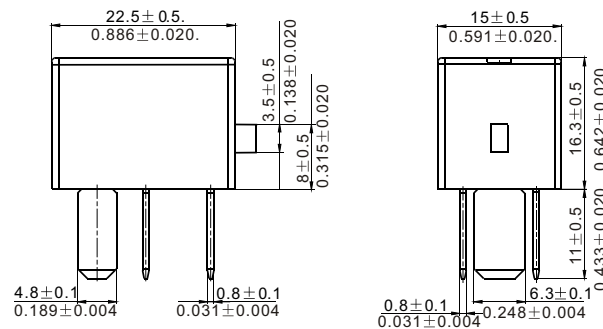
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

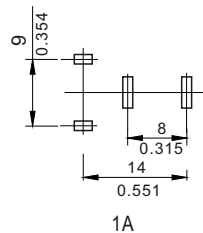
Insulation Resistance	20M min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 500V 50Hz 500V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock Resistance	Function: 100m/s ² 11ms Survival: 1000m/s ² 11ms	IEC68-2-27 test Ea
Vibration Resistance	Function: 10Hz~100Hz 44.1m/s ² Survival: 100Hz~500Hz 44.1m/s ²	IEC68-2-6 test Fc
Terminals strength	10N	IEC68-2-21 test Ua1
Ambient Temperature	-40℃~105℃	
Relative Humidity	95% (45℃)	IEC68-2-3 test Ca
Mass	14g	

Dimensions

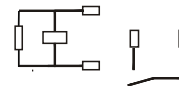
mm /inch



Dimensions



Mounting (Bottom view)



1A

Wiring diagram (Bottom view)

- NOTES 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.

Disclaimer

All technical performance data apply to the relay as such, specific conditions of the individual application are not considered. Please always check the suitability of the relay for your intended purpose. We do not assume any responsibility or liability for not complying herewith. We recommend to complete our questionnaire and to request our technical service. Any responsibility for the application of the product remains with the customer only. All specifications are subject to change without notification. All rights of NF Forward GmbH & NF Forward USA Inc. are reserved.