NF FORWARD

22.5×15×16.3

NF115

Features

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

Ordering Information

NF115	100	E	12	S	D	XXXX
1	2	3	4	5	6	7

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

Contact Data

Contact Arrangement		1A(SPSTNO)	
Contact material		$AgSnO_2$	
Contact Rating (resistive)		25A/14VDC	
Max. Switching Power		350W	
Max. Switching voltage		75VDC	Max. Switching Current :25A
Contact resistance or Voltage drop		50m⩽Ω	Item 3.12 of IEC 60255-7
Operation life	Electrical	10^5	Item 3.30 of IEC 60255-7
	Mechanical	10^6	Item 3.31 of IEC 60255-7

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

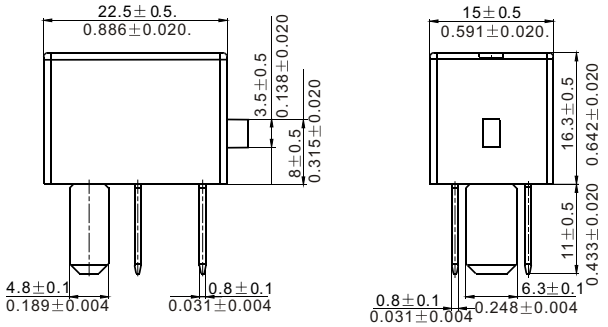
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

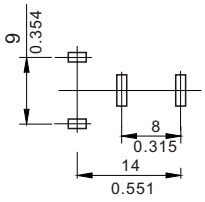
Insulation Resistance	20M min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 500V 50Hz 500V	 Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock Resistance	Function: 100m/s²11ms Survival:1000m/s² 11ms	IEC68-2-27 test Ea
Vibration Resistance	Function: 10Hz~100Hz 44.1m/s² Survival:100Hz~500Hz 44.1m/s²	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

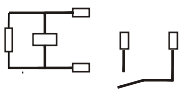


Dimensions



1A

Mounting (Bottom view)



1A

Wiring diagram (Bottom view)

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