



NF135

22.5×15×25.4

Features

- 35A continuous No rating (85°C).
- 2.8mm quick connect terminals.
- Contact arrangement form A and C available.
- Suitable for automobile fuel pump, A/C compressor clutch, horn and lighting system etc.

Ordering Information

<u>NF135</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:	NF135			6. Coil suppression:		Nil = Standard; D = Diode;
2. Contact arrangement:	100 = 1A; 001 = 1C;			7. Special:		R = Resistor;
3. Contact material:	E = Ag alloy			XXXX = Letters and / or		
4. Coil voltage:	12 = 12VDC; 24 = 24VDC			number for special		
5. Protection:	Nil = Dust cover; S = Sealed type;			custom design		

Contact Data

Contact Arrangement	1A (1H) (SPSTNO) 1C (1Z) (SPDT(B-M))	
Contact Material	AgSnO ₂	
Contact Rating (Resistive)	1A:35A/14VDC; 1C:NO:35A/14VDC;NC:25A/14VDC	
Max. Switching Power	490W	
Max. Switching voltage	75VDC	
Max. Switching Current	40A	
Max. Continuous Current	NO:35A, NC:25A	
Contact Resistance or Voltage drop	100mΩ (1A 6VDC) ≤250mV(10A) typical:50mV	Item 4.12 of IEC 61810-7
Operation life	Electrical	1×10 ⁵ Item 4.30 of IEC 61810-7
	Mechanical	1×10 ⁷ Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick up voltage VDC(max) (60%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-130	12	15.6	111	7.2	1.2	1.3	≤10	≤10
024-130	24	31.2	443	14.4	2.4			

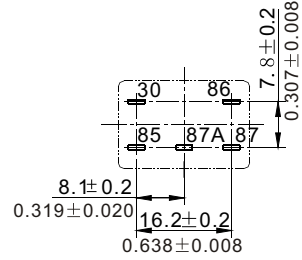
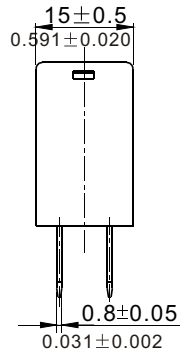
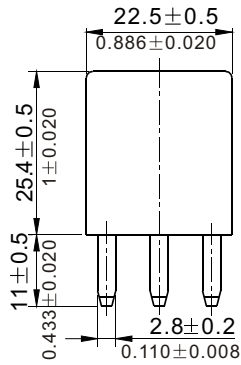
- CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

Insulation Resistance	100MΩ min. (500VDC)	Item4.11 of IEC 61810-7
Dielectric Strength Between open contacts Between contact and coil	50Hz 500V 50Hz 500V	Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	200m/s ² 11ms	Item 4.26 of IEC61810-7
Vibration Resistance	10Hz~40Hz double amplitude 1.27mm 40Hz~70Hz 49m/s ² 70Hz~100Hz double amplitude 0.5mm 100Hz~500Hz 98m/s ²	Item 4.28 of IEC61810-7
Terminals strength	10N	Item 4.24 of IEC61810-7
Ambient Temperature	-40~125°C	
Relative Humidity	85% (40°C)	Item 4.16 of IEC61810-7
Mass	21g	Item 4.7 of IEC61810-7

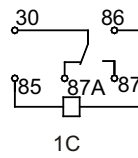
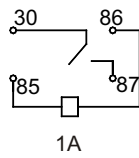
Dimensions

mm /inch



Dimensions

Mounting (Bottom view)



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.