



36×25.7×21.5

NVFS

Features
▪ Small size and light weight. ▪ Heavy contact load (30A). ▪ Fuse design available. ▪ Suitable for automobile and lamp accessories application. ▪ QC mounting available, with metal frame.

Ordering Information
NVFS 1 A 2 15 3 DC12V 4
1 Part number: NVFS 2 Contact arrangement: A:1A 3 Contact rating: 15:15A; 30:30A 4 Coil rated voltage(V): DC:6,12,24

Contact Data	
Contact Arrangement	1A(SPSTNO)
Contact Material	AgSnO ₂
Contact Rating	15A,30A/14VDC ; 15A/28VDC
Max. Switching Power	420W
Max. Switching Voltage	30VDC Max. Switching Current:30A
Voltage Drop(Initial)	Typ.: 50mV(at 10A) Item 4.12 of IEC 61810-7
Electrical Endurance	1×10 ⁵ Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10 ⁷ Item 4.31 of IEC 61810-7

Coil voltage VDC		Coil resistance Ω±10%	Pick-up voltage VDC(max) (65%of rated voltage)	Drop-out voltage VDC(min) (20% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
6	7.8	20	3.9	1.2	1.8	≤7	≤5
12	15.6	80	7.8	2.4			
24	31.2	320	15.6	4.8			

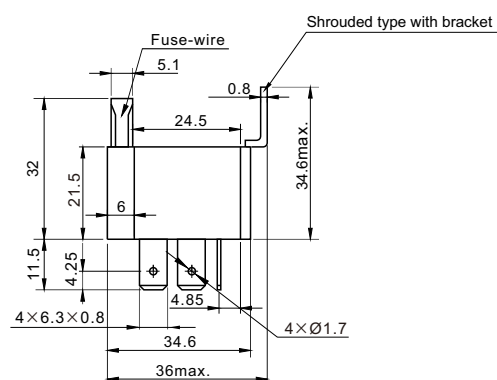
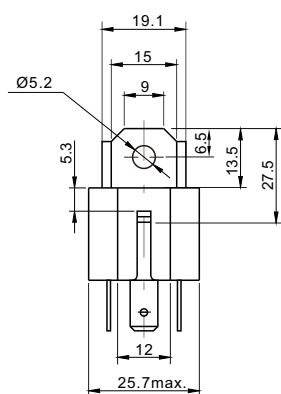
Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

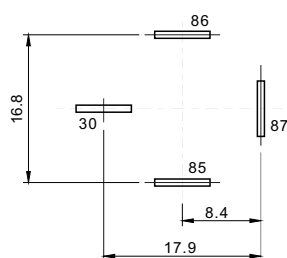
Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength		
Between Open Contacts	500VAC 1min	Item 4.9 of IEC 61810-7
Between Contact and Coil	750VAC 1min	
Shock Resistance	147m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~40Hz Double amplitude 1.27mm	Item 4.28 of IEC 61810-7
Terminals Strength	Terminal retention(pull & push): ≥100N Terminal resistance to bending(front & side): ≥10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~105℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	32g	Item 4.7 of IEC 61810-7

Dimensions

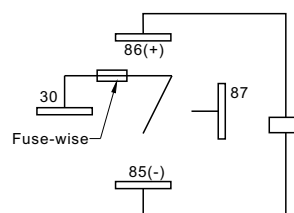
mm



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm ;
outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.