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Features

- Forcibly guided contact PCB
- According EN50205 type B
- 6KV dielectric strength (between coil and contacts) 2 Form A and 2 Form C configurations.
- Creepage distance >5mm
- 2 Form A and 2 Form C configurations.
- RoHS compliant
- Outline Dimensions: (30.2 × 12.7 × 25.6) mm

CONTACT DATA

Contact arrangement	2H	2D	2Z
Contact resistance	100m (1A, 6VDC)		
Contact material	AgSnO ₂		
Contact rating	6A	250VAC	AC1
Max. Switching power	1500VA		
Mechanical endurance	2 × 10 ⁷ ops		
Electrical endurance	1 × 10 ⁵ ops		

COIL

Coil power	0.8W
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COIL DATA

At 23

Nominal voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance
5	3.75	0.5	31 × (1 ± 10%)
6	4.5	0.6	44 × (1 ± 10%)
12	9.0	1.2	175 × (1 ± 10%)
24	18	2.4	700 × (1 ± 10%)
48	36	4.8	2800 × (1 ± 10%)
60	45	6.0	4375 × (1 ± 13%)
110	82.5	11	22830 × (1 ± 15%)

CHARACTERISTICS

Insulation resistance	100000M (500VDC)	
Dielectric strength	Between coil & contacts	6000VAC 1min
	Between open contacts	1500VAC 1min
	Between contact sets	4000VAC 1min
Operate time (at nomi. volt)	12ms	
Release time (at nomi. volt)	6ms	
Shock resistance	Malfunction	100m/s ² (10g)
	Destructive	1000m/s ² (100g)
Vibration resistance	10HZ to 55HZ 1.5mm double amplitude	
Humidity	5RH ~ 85RH	
CTI	550	
Ambient temperature	-40 to +70	
Termination	PCB	
Unit weight	Approx. 19g	
Construction	Washtight Or Fluxproofed	

SAFETY APPROVAL (Being Approval)

UL&CUL		
CE		
CCC		

Notes: The data shown above are initial values.

Notes: Only some typical ratings are listed above. If more details are required, please contact us.



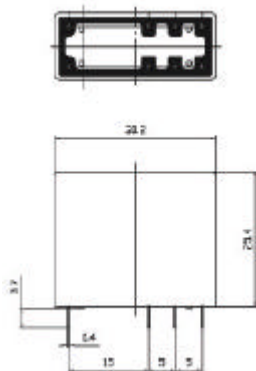
ORDERING INFORMATION

Type	HF159F /	012	-2Z	S	P
Coil voltage for	0,6,12,24,48,60,110				
Contact arrangement	2H:2FormA 2Z:2 Form C 2D:2FormB				
Construction	S:Wastight NI:Fluxproofed				
CoilPower	P:Standard				

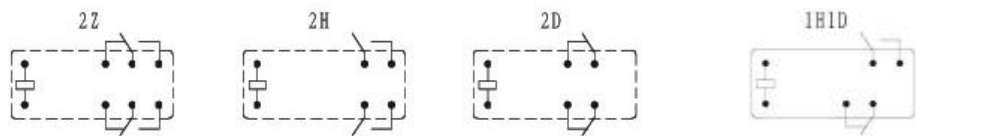
OUT LINE DIMENSIONS AND WIRING DIAGRAM

Unit:mm

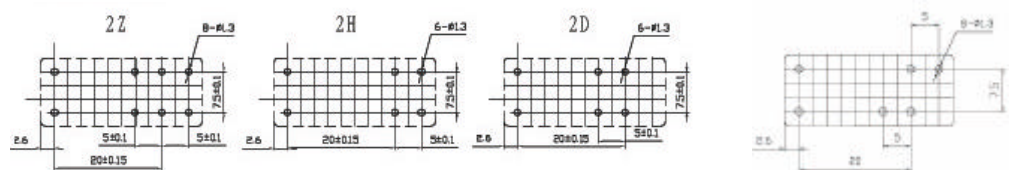
Outline Dimensions



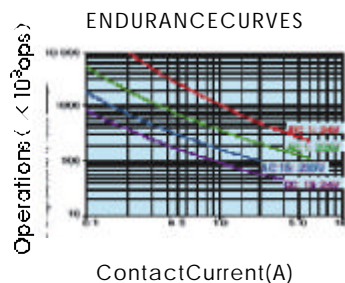
Wiring Diagram



PCB Layout



CHARACTERISTIC CURVES



Disclaimer:

This datasheet is for the customers' reference. All the specifications are subject to change without notice. . . We could not evaluate all the performance and all the parameters for every possible application. Thus the users should be in a right position to choose the suitable product for their own application. If there is any query, please contact Jinhai for the technical service. However, it is the users' responsibility to determine which products should be used only.