

HF9313

HALF-SIZE CRYSTAL CAN HIGH TEMPERATURE
HERMETICALLY SEALED ELECTRO MAGNETIC RELAY



Features

- Ambient temperature can be 180°C
- High pure nitrogen protection
- High ambient applicability
- All metal welded construction
- Hermetically welded and marked by laser

AMBIENT ADAPTABILITY

Ambient temperature	-65 °C ~ 180 °C
Humidity	98 %, 40 °C
Low air pressure	4.39 kPa
Sine vibration	Frequency 10 Hz ~ 3000 Hz
	Acceleration 294 m/s ²
Shock resistance	980 m/s ²
Random vibration	40 (m/s ²)/Hz
Steady-state acceleration	490 m/s ²

CONTACT DATA

Arrangement		2 C
Contact resistance	Initial max.	50 mΩ
	After life max.	250 mΩ

Contact ratings

Contact load	Type	Electrical life min.
2 A 28 Vd.c.	Resistive	5 x 10 ⁴ OPS
1 A 28 Vd.c.	Resistive	1 x 10 ⁵ OPS
50 μA 50 mVd.c.	Low level	1 x 10 ⁵ OPS

SPECIFICATION

Insulation resistance min.		10000 MΩ (@ 500 Vd.c.)
Dielectric strength min. (Normal condition)	Between open contacts	500 Vr.m.s.
	Between contact & coil	1000 Vr.m.s.
	Between contact & cover	1000 Vr.m.s.
	Between contact group	1000 Vr.m.s.
	Between coil & cover	500 Vr.m.s.
Dielectric strength min. (Low air pressure condition)		350 Vr.m.s.
Leakage rate max.		1 x 10 ⁻³ Pa•cm ³ /s
Operate time max.		4 ms
Release time max.		4 ms
Mounting style		See the mounting dimension
Terminals		See the terminal styles
Work position		Random
Weight max.		13 g

COIL DATA

Normal coil power	Approx. 0.9W
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Coil Version

Vd.c.

Order Number	Coil voltage		at 25 °C				-65°C to 125°C		
	Nominal voltage	Value max.	Coil resistance (1±10%) Ω	Pick-up voltage max.	Hold voltage max.	Drop-out voltage min.	Pick-up voltage max.	Hold voltage max.	Drop-out voltage min.
005	5	6.0	27	2.7	1.65	0.29	4.3	2.4	0.21
006	6	7.5	40	3.2	2.00	0.35	5.1	2.9	0.25
012	12	15.0	160	6.4	4.00	0.70	10.2	5.8	0.50
027	27	32.0	700	13.5	8.00	1.50	23.0	14.0	1.00

Notes: We can offer many kinds of coil voltage under the requirement of users.



HONGFA HERMETICALLY SEALED RELAY

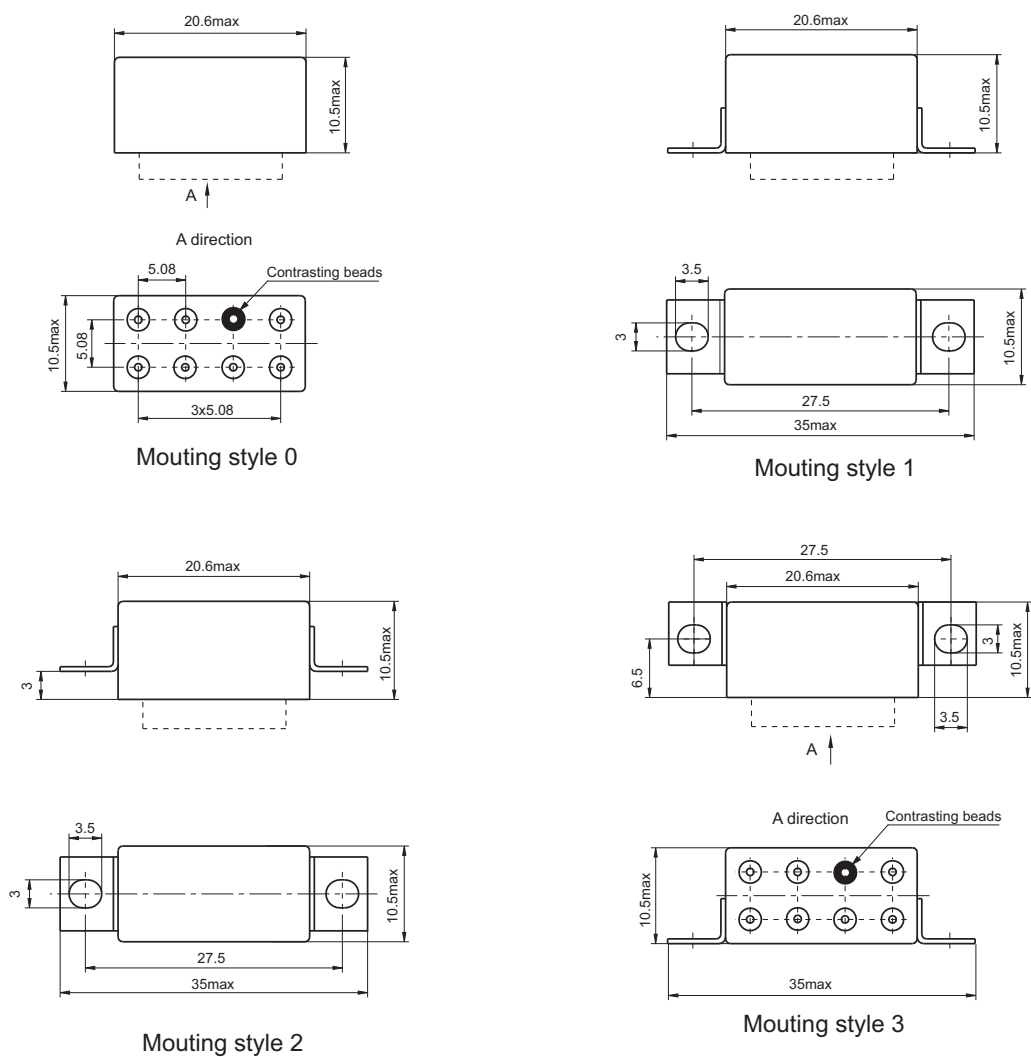
ORDERING INFORMATION

Type	HF9313	-012	-0	1
Order Number	005、006、012、027			
Mounting Style	0、1、2、3 (See the mounting dimension)			
Terminals Style	1、3、4 (See " Terminal styles " below)			

OUTLINE DIMENSIONS AND WIRING DIAGRAM

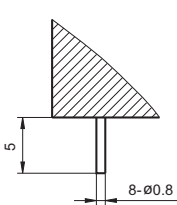
Unit:mm

Outline Dimension

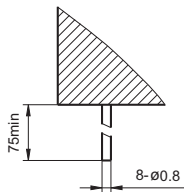


OUTLINE DIMENSIONS AND WIRING DIAGRAM

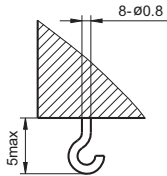
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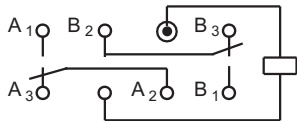
Terminal style 1
(Solder pin)



Terminal style 3
(Flexible terminal type)



Terminal style 4
(Solder hook)



Wiring Diagram
(Bottom View)

Disclaimer
This datasheet is for the customers' reference. All the specifications are subject to change without notice.
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