HF9217

1/6 CYSTAL CAN 1 GROUP N.O. CONTACT HERMETICALLY SEALED ELECTRO MAGNETIC RELAY



Features

- Load can be 5A 28Vd.c.
- High ambient applicability
- Fusing soldering and marked by laser

AMBIENT ADAPTABILITY

Ambient grade		Ⅰ	Ⅱ	Ⅲ
Ambient temperature		−55 ˚C to 85 ˚C	−55 ˚C to 85 ˚C	−65 ˚C to 125 ˚C
Humidity		98 %，40 ˚C		
Low air pressure		58.53 kPa	4.39 kPa	4.39 kPa
Sine vibration	Frequency	10 Hz ~ 1000 Hz	10 Hz ~ 2000 Hz	10 Hz ~ 2000 Hz
	Acceleration	147 m/s^2	196 m/s^2	196 m/s^2
Shock resistance		490 m/s^2	735 m/s^2	735 m/s^2
Random vibration		—	20 $(m/s^2)^2/Hz$	20 $(m/s^2)^2/Hz$
Steady-state acceleration		147 m/s^2	490 m/s^2	490 m/s^2

CONTACT DATA

Ambient grade		Ⅰ	Ⅱ	Ⅲ
Arrangement		1 A		
Contact resistance	Initial max.	100 mΩ		
	After life max.	150 mΩ		

Contact ratings

Contact load	Type	Electrical life min.
5 A 28 Vd.c.	Resistive	1 x 10^5 OPS
0.75A 28 Vd.c.200mH	Inductive	1 x 10^5 OPS
50 μA 50 mVd.c.	Low level	1 x 10^5 OPS
0.16 A 28 Vd.c.	Lamp load	1 x 10^5 OPS

SPECIFICATION

Ambient grade		I	II	III
Insulation resistance min.		1000 MΩ (@ 500 Vd.c.)	1000 MΩ (@ 500 Vd.c.)	1000 MΩ (@ 500 Vd.c.)
Dielectric strength min. (Normal condition)	Between open contacts	350 Vr.m.s.	500 Vr.m.s.	500 Vr.m.s.
	Between contact & coil	350 Vr.m.s.	500 Vr.m.s.	500 Vr.m.s.
	Between contact & cover	350 Vr.m.s.	500 Vr.m.s.	500 Vr.m.s.
	Between contact group	350 Vr.m.s.	500 Vr.m.s.	500 Vr.m.s.
	Between coil & cover	350 Vr.m.s.	500 Vr.m.s.	500 Vr.m.s.
Dielectric strength min. (Low air pressure condition)		250 Vr.m.s.	250 Vr.m.s.	250 Vr.m.s.
Leakage rate max.		1 Pa•cm^3/s	1 x 10^{-1} Pa•cm^3/s	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.		4g		

COIL DATA

Norminal coil power	Approx.0.48W

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.
				I	Ⅱ,Ⅲ			I	Ⅱ,Ⅲ		
024	24	29	1200	15.6	12	7	1.2	21	20	10	0.7

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

ORDERING INFORMATION

	HF9217	-024	-0	1	- I

Type

Order Number 024

Mounting Style 0, 2, 3 (See the mounting dimension)

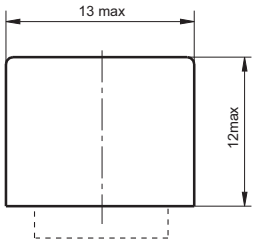
Terminals Style 1 (See " Terminal styles " below)

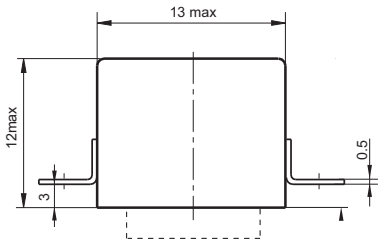
Ambient Grade Ⅰ、Ⅱ、Ⅲ

OUTLINE DIMENSIONS AND WIRING DIAGRAM

Unit:mm

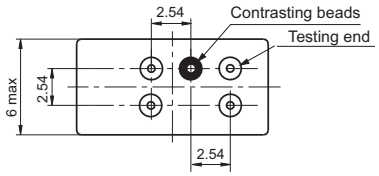
Outline Dimension



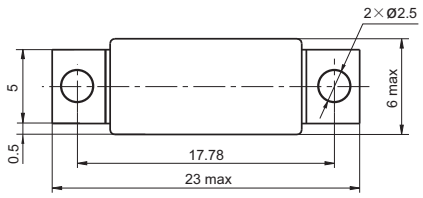




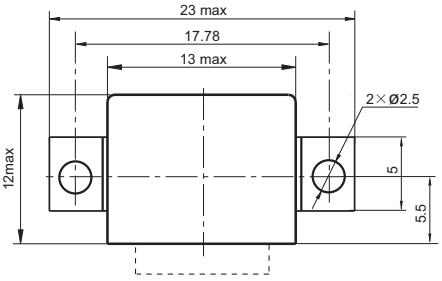
A direction

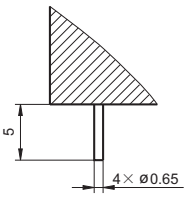


Mouting style 0



Mouting style 2



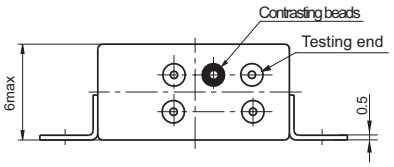


Terminal style 1

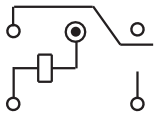
(Solder pin)



A direction



Mouting style 3



Wiring Diagram

(Bottom View)

Disclaimer

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

© Xiamen Hongfa Hermetically Sealed Relays Co., Ltd. All rights of Hongfa are reserved.