

HF9216

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



Features

- Load can be 2A 28Vd.c.
- High ambient applicability
- All metal welded construction
- 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	10 (m/s ²)/Hz		20 (m/s ²)/Hz	20 (m/s 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

Ambient grade	Contact load	Type	Electrical life min.
I	2 A 28 Vd.c.	Resistive	1 x 10 ⁵ OPS
II	2 A 28 Vd.c.	Resistive	1 x 10 ⁵ OPS
III	2 A 28 Vd.c.	Resistive	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.		5 ms		
Release time max.		5 ms		
Mounting style		See the mounting dimension		
Terminals		See the terminal styles		
Work position		Random		
Weight max.		4g		

COIL DATA	
Normal 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.
				I	II , III			I	II , III	
024	24	28.8	1200	15.6	12	7.5	1.2	22	18	11.6
										0.9

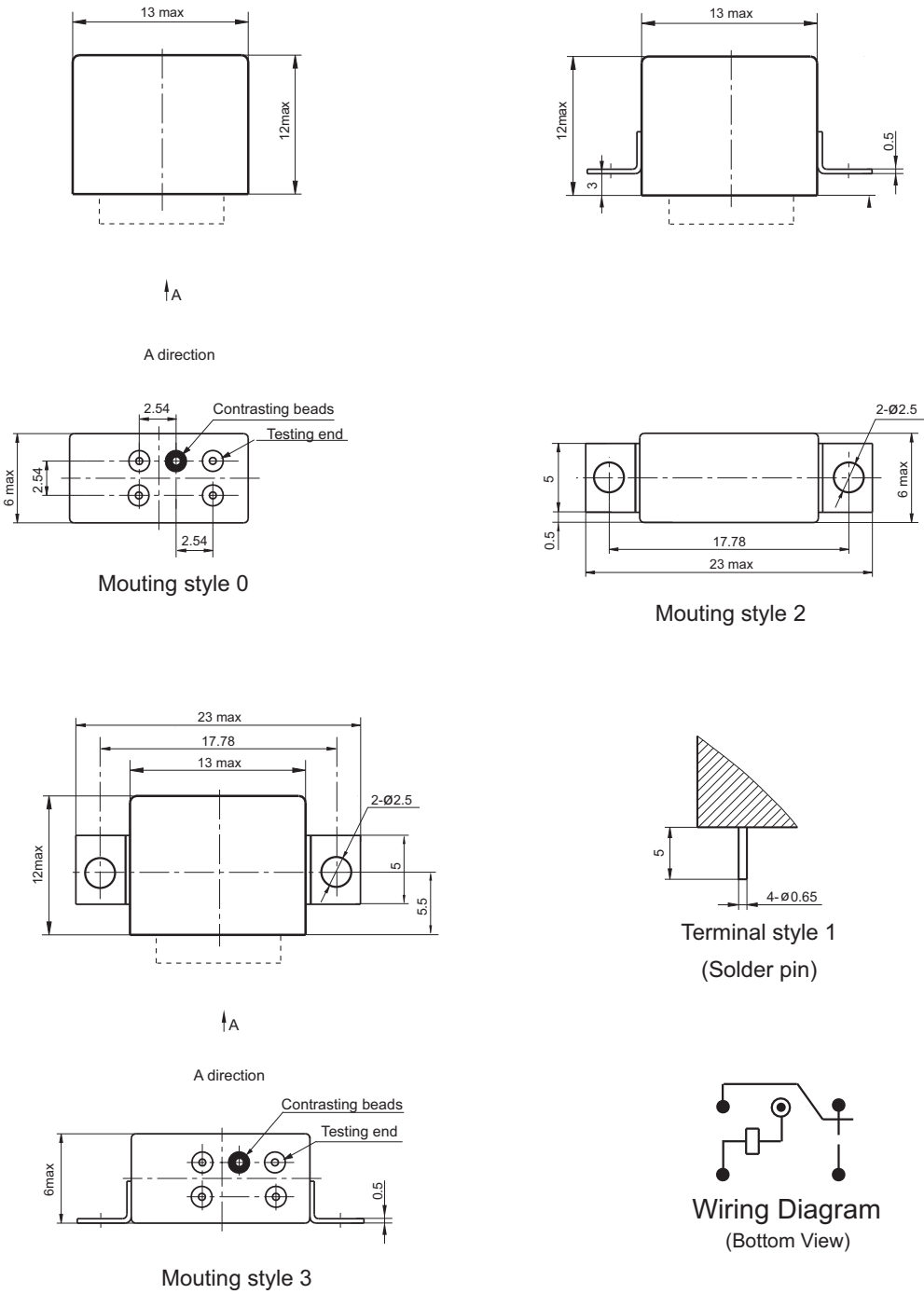
Notes: We can offer many kinds of coil voltage under the requirement of users.

ORDERING INFORMATION					
Type	HF9216	-024	-0	1	- I
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



Disclaimer

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

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