

HF9215

1/6 CRYSTAL CAN 2 FORM C
HERMETICALLY SEALED ELECTRO MAGNETIC RELAY



- Features
- Load can be 1A 28Vd.c
 - Failure rate level can be level M
 - 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 to 1000 Hz	10 Hz to 2000Hz	10 Hz to 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	980 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		2C		
Contact voltage drop	Initial max.	100 mΩ		
	After life max.	150 mΩ		
Failure level		Level L,M		

Contact ratings

Ambient grade	Contact load	Type	Electrical life min.
I	1 A 28 Vd.c.	Resistive	1 x 10 ⁵ ops
II	1 A 28 Vd.c.	Resistive	1 x 10 ⁵ ops
	0.2 A 28 Vd.c. 200 mH	Inductive	1 x 10 ⁵ ops
III	1 A 28 Vd.c.	Resistive	1 x 10 ⁵ ops
	0.2 A 28 Vd.c. 200 mH	Inductive	1 x 10 ⁵ ops
	0.1 A 28 Vd.c.	Lamp load	1 x 10 ⁵ ops
	50 μA 50m Vd.c.	Low level	1 x 10 ⁵ ops

SPECIFICATION				
Ambient grade		I	II	III
Insulation resistance min.		1000 MΩ (@ 100 Vd.c.)	1000 MΩ (@ 100 Vd.c.)	10000 MΩ (@ 100 Vd.c.)
Dielectric strength min. (Normal condition)	Between open contacts	350 Vr.m.s.	350 Vr.m.s.	350 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)		200 Vr.m.s.	300 Vr.m.s.	300 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.		6 ms	4 ms	4 ms
Release time max.		6 ms	4 ms	4 ms
Mounting style		See the mounting dimension		
Terminals		See the terminal styles		
Work position		Random		
Weight max.		4 g		

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		
006	6	8	90	3.8	3.0	1.5	0.3	4.8	4	2.0	0.2
012	12	16	310	8.0	6.0	3.0	0.6	9.6	8.0	4.0	0.4
027	27	32	1500	18.0	13.5	10.0	1.5	21.6	18	14.0	1.0

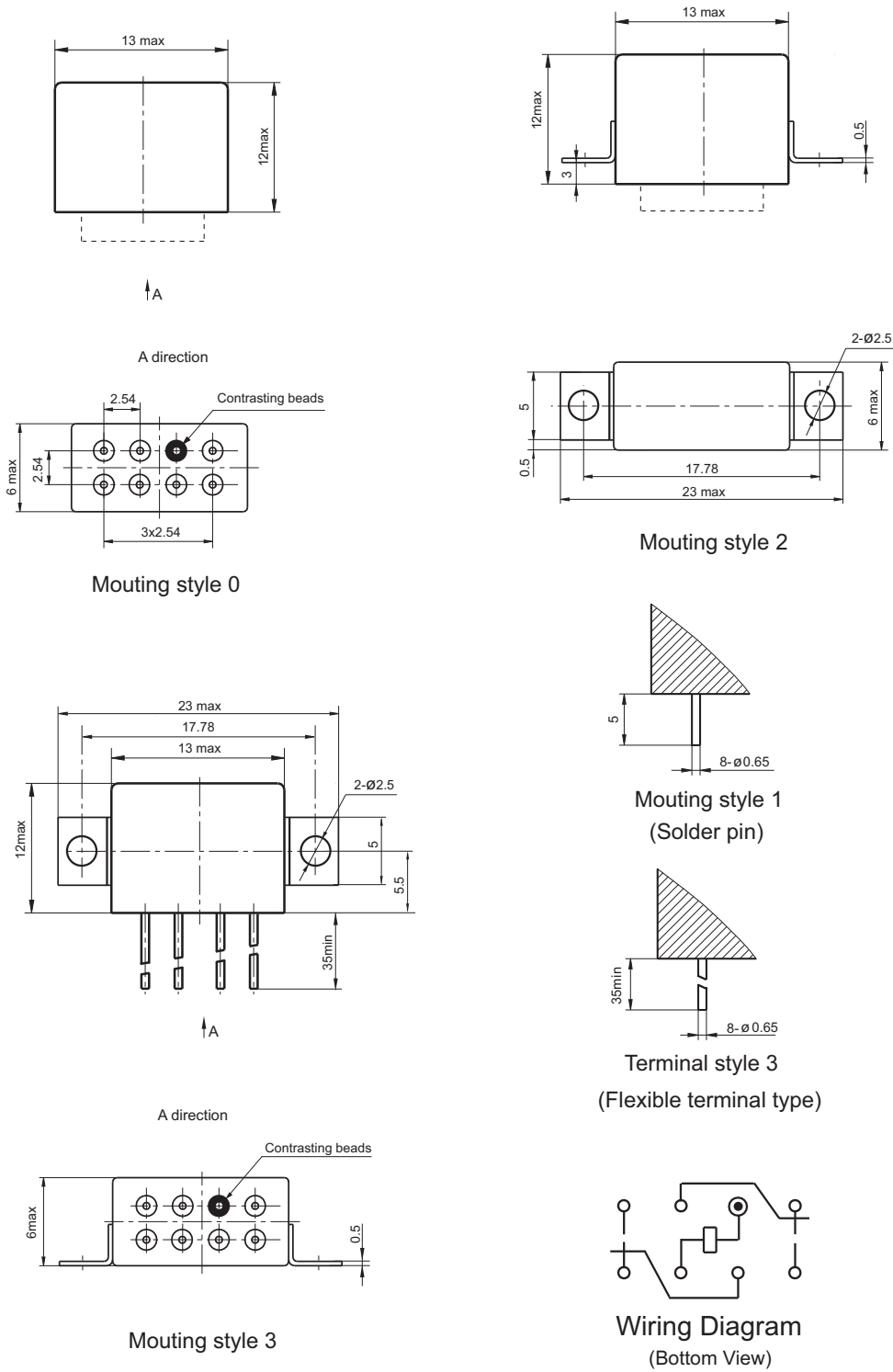
Notes: We can offer many kinds of coil voltage under the requirement of users.

ORDERING INFORMATION						
Type	HF9215	-012	M	-0	1	- I
Order Number	006、012、027					
Failure Rate	L: Failure rate level L (level III products available) M: Failure rate level M (level III products available) Nil: Without failure rate requirement(level I ,II products available)					
Mounting Style	0, 2, 3 (See the mounting dimension)					
Terminals Style	1, 3 (See " Terminal styles " below)					
Ambient Grade	I : level I II : level II Nil: level III (with failure rate requirement)					

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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