HF9526

1 CUBIC INCH 4 FORM C
HERMETICALLY SEALED ELECTRO MAGNETIC RELAY



Features

- Force balanced
- 10A contacts switching capability
- Failure rate level can be level L
- High ambient applicability
- All metal welded construction
- Hermetically welded 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 2000 Hz	10 Hz to 3000 Hz
	Acceleration	147 m/s^2	196 m/s^2	294 m/s^2
Shock resistance		490 m/s^2	980 m/s^2	1960 m/s^2
Random vibration		—	20 $(m/s^2)^2/Hz$	40 $(m/s^2)^2/Hz$
Steady-state acceleration		147 m/s^2	294 m/s^2	490 m/s^2

CONTACT DATA

Ambient grade		Ⅰ	Ⅱ	Ⅲ
Arrangement		4 C		
Contact resistance or voltage drop	Initial max.	0.015Ω		0.01Ω
	After life max.	0.15V		0.125V

Contact and life ratings

Type	Contact load			Electrical life min.
	28Vd.c.	115Va.c. 400Hz Single phase	115/200Va.c. 400Hz Three phase	
Resistive	10 A	10 A	10 A	1 x 10^5OPS
Inductive	8 A	8 A	8 A	2 x 10^4OPS
Motor	4 A	—	—	1 x 10^5OPS
Lamp load	2 A	—	—	1 x 10^5OPS

SPECIFICATION

Ambient grade		Ⅰ	Ⅱ	Ⅲ
Insulation resistance min.	Initial	100 MΩ (@ 500 Vd.c.)	100 MΩ (@ 500 Vd.c.)	100 MΩ (@ 500 Vd.c.)
	After life or after testing	50 MΩ (@ 500 Vd.c.)	50 MΩ (@ 500 Vd.c.)	50 MΩ (@ 500 Vd.c.)
Dielectric strength min. (Normal condition)	Between coil & cover	1000 Vr.m.s.	1000 Vr.m.s.	1000 Vr.m.s.
	Between other insulation parts (initial)	1250 Vr.m.s.	1250 Vr.m.s.	1250 Vr.m.s.
	Between other insulation parts (after life testing)	1000 Vr.m.s.	1000 Vr.m.s.	1000 Vr.m.s.
Dielectric strength min. (Low air pressure condition)		250 Vr.m.s.	250 Vr.m.s.	350 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.		15 ms		
Release time max.		15 ms		
Mounting style		See the mounting dimension		
Terminals		See the terminal styles		
Work position		Random		
Weight max.		80 g		

COIL DATA

Norminal coil power	Approx.2.7W

Coil Version

Vd.c.

Order Number	Coil voltage		at 25 ˚C				-65˚C to 125˚C			Pick-up voltage max.	
	Nominal voltage	Value max.	Coil resistance (Ω) min.	Pick-up voltage max.	Hold voltage max.	Drop-out voltage min.	Pick-up voltage max.	Hold voltage max.	Drop-out voltage min.	High temp. test	Continuous electric test
006	6	7.3	18	1.6	0.4	3.2	4.5	2.3	0.25	5.0	5.7
012	12	14.5	70	3.3	0.75	6.5	9.0	4.5	0.5	9.9	11.25
028	28	29.0	290	5.5	2.3	15.5	20.0	7	1.5	21.0	25.0

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

ORDERING INFORMATION

	HF9526	-028	L	-0	2	-Ⅱ

Type

Order Number 006、012、028

Failure Rate **L:** Failure rate level L (level Ⅲ products available)[1)]
Nil: Without failure rate requirement(level Ⅰ ,Ⅱ ,Ⅲproducts available)

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

Terminals Style 2, 4 (See " Terminal styles " below)

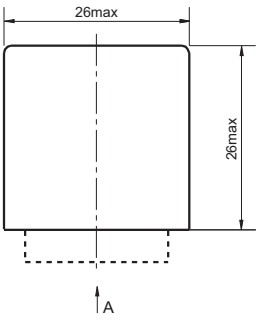
Ambient Grade Ⅰ : level Ⅰ Ⅱ : level Ⅱ Ⅲ: level Ⅲ

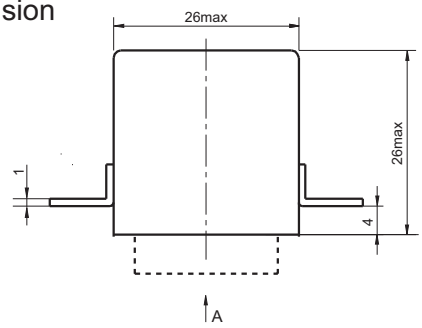
Notes: 1) For the failure rate of L ,the letter "III" of ambient grade level will not appear on relay cover.

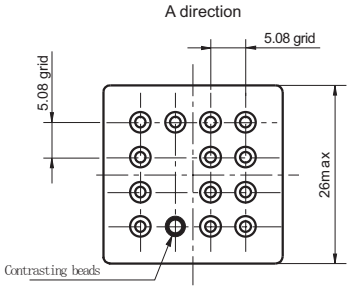
OUTLINE DIMENSIONS AND WIRING DIAGRAM

Unit:mm

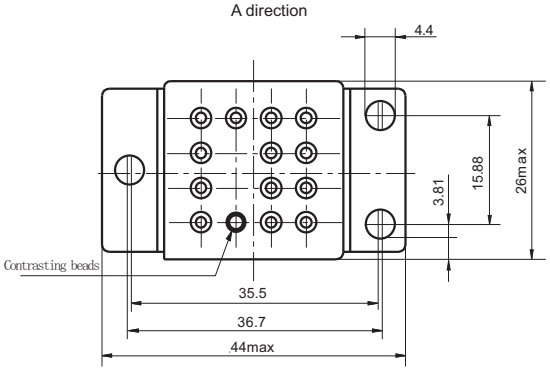
Outline Dimension



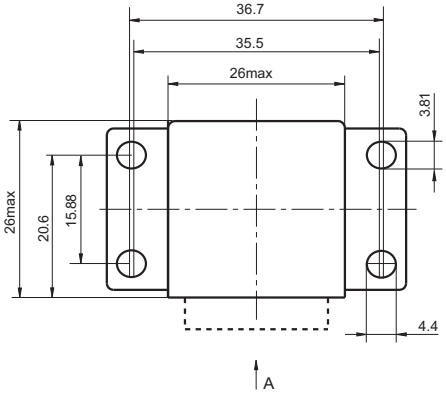


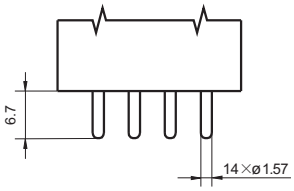


Mouting style 0

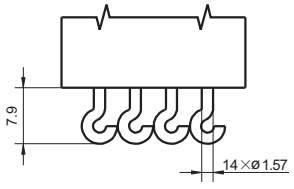


Mouting style 2

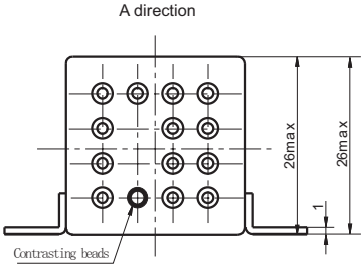




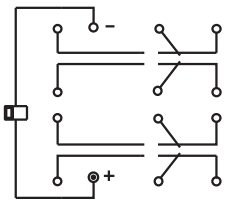
Terminal style 2
(Solder pin)



Terminal style 4
(Solder hook)



Mouting style 3



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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