HF9516

1 CUBIC INCH 3 FORM C HERMETICALLY SEALED RELAY WITH COIL TRANSIENT SUPPRESSION



Features

- Force balanced type
- With coil transient suppression
- 25A contacts switching capability
- Failure rate can be level L
- High ambient applicability
- All metal welded construction
- Hermetically welded and marked by laser

AMBIENT ADAPTABILITY

Ambient grade		I	П	Ш			
Ambient temperature		-55 °C to 85 °C	-55 °C to 85 °C	-65 °C to 125 °			
Humidity		98%, 40 °C					
Low air pressur	е	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/s²	196 m/s²	294 m/s ²			
Shock resistance		490 m/s ²	980 m/s²	1960 m/s ²			
Random vibration		10 (m/s²)²/Hz	20 (m/s²)²/Hz	40 (m/s²)²/Hz			
Steady-state acceleration		147 m/s²	294 m/s²	490 m/s ²			

CONTACT DATA							
Ambient grade		I	П	Ш			
Arrangement				3 C			
Contact resistance	Initial max.	0	2V	0.15V			
or voltage drop	After life max.	0.2	0.175V				
Failure level				Level L			

Contact and life ratings

	Conta			
Туре	28Vd.c.	115/200Va.c. 400Hz Three phase	Electrical life min.	
Resistive	25A	25A	5 x 10⁴ops	
Inductive	12A		1 x 10⁴ops	
Inductive		15A	2 x 10⁴ops	
Motor	10A		5 x 10⁴ops	
Lamp load	5A		5 x 10⁴ops	



SPECIFICATION								
Ambient grade		I	П	Ш				
Insulation	Initial	100 MΩ (@ 500 Vd.c.)	100 MΩ (@ 500 Vd.c.)	100 MΩ (@ 500 Vd.c.)				
resistance min.	After life or after testing	50 MΩ (@ 500 Vd.c.)	50 MΩ (@ 500 Vd.c.)	50 MΩ (@ 500 Vd.c.)				
Dielectric	Between coil & cover	1000 Vr.m.s.	1000 Vr.m.s.	1000 Vr.m.s.				
strength min. (Normal	Between other insulation parts (initial)	1250 Vr.m.s.	1250 Vr.m.s.	1250 Vr.m.s.				
condition)	Between other insulation parts (after life testing)	1000 Vr.m.s.	1000 Vr.m.s.	1000 Vr.m.s.				
Dielectric streng (Low air pressu		250 Vr.m.s.	250 Vr.m.s.	250 Vr.m.s.				
Leakage rate m	ax.	1 Pa•cm³/s	1 x 10 ⁻¹ Pa•cm³/s	1 x 10 ⁻³ Pa•cm³/s				
Operate time m	ax.	15 ms						
Release time m	ax.	15 ms						
Mounting style		See the mounting dimension						
Terminals		See the terminal styles						
Work position		Random						
Weight max.		85 g						

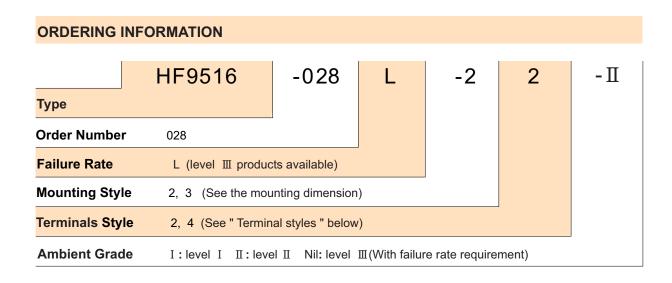
COIL DATA	
Norminal coil power	Approx. 3W

Coil Version

Vd.c.

Order Number		Coil voltage		at 25 °C			-65°C to 125°C			Pick-up voltage max.		
	ber No	ominal oltage	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.	Continuous electric test
028	3	28	29	260	15.5	5.5	2.3	20.0	7.0	1.5	21.0	25.0

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



163

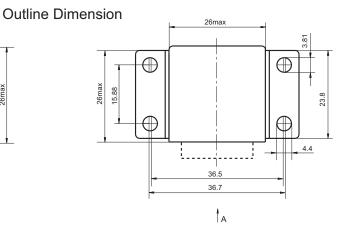
OUTLINE DIMENSIONS AND WIRING DIAGRAM

Unit:mm

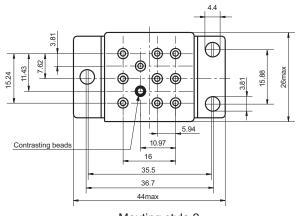
Ou XempS Xem

A direction

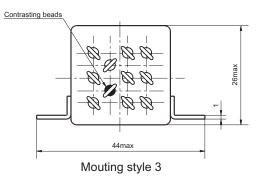
Α



A direction

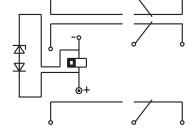


Mouting style 2

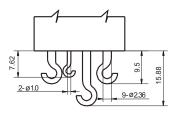


2-01.57

Terminal style 2 (Solder pin)



Wiring Diagram (Bottom View)



Terminal style 4 (Solder hook)

Disclaimer

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

© Xiamen Hongfa Electroacoustic Co., Ltd. All rights of Hongfa are reserved.