

HF115F-A

MINIATURE HIGH POWER RELAY

UL
Pending

VDE
Pending



Features

- 16A switching capability
- 1 & 2 pole configurations
- 5KV dielectric strength (between coil and contacts)
- Low height: 15.7 mm
- Creepage distance: 10mm
- Sealed IP67 & flux proof types available
- VDE:0435/0110 VDE:0631/0700
- Environmental protection product available (RoHs & WEEE compliant)

CONTACT DATA

Contact Arrangement	1A, 1B, 1C	2A, 2B, 2C
Initial Contact Resistance Max.	100mΩ (at1A 6VDC)	
Contact Material	See ordering info.	
Contact Rating (Res. Load)	12A/ 16A 250VAC	8A 250VAC
Max. switching voltage	440VAC	
Max. switching current	16A	8A
Max. switching power	3000VA/ 4000VA	2000VA
Mechanical life	5 x 10 ⁶ ops	
Electrical life	5 x 10 ⁴ ops	

COIL

Coil power	0.75VA
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COIL DATA

Nominal Voltage VAC	Pick-up Voltage VAC	Drop-out Voltage VAC	Coil Current (at 20°C) mA	Coil Resistance Ω (at 20°C)
24	18.00	3.6	31.6	350 ± 10%
115	86.30	35.50	6.6	8100 ± 10%
230	172.50	34.50	3.2	32500 ± 10%

CHARACTERISTICS

Initial Insulation Resistance	1000MΩ (500 VDC)	
Dielectric Strength	Between coil and contacts	5,000VAC 1min.
	Between open contacts	1,000VAC 1min.
	Between contact sets	2,500VAC 1min.
Operate time (at nomi. Volt.)	Max. 15ms	
Release time (at nomi. Volt.)	Max. 8ms	
Temperature rise (at nomi. Volt.)	55°C	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000m/s ²
Vibration Resistance	10 to150 Hz 10g/5g	
Humidity	35% to 85%	
Ambient temperature	-40°C to +85°C	
Termination	PCB	
Unit weight	13.5g	
Construction	Sealed & Unsealed	

SAFETY APPROVAL RATINGS(pending)

UL/CUR	12A 250VAC
	16A 250VAC
	8A 250VAC
VDE	12A 250VAC
	16A 250VAC
	8A 250VAC



HONGFA RELAY

ISO9001、ISO/TS16949、ISO14001、OHSAS18001 CERTIFIED

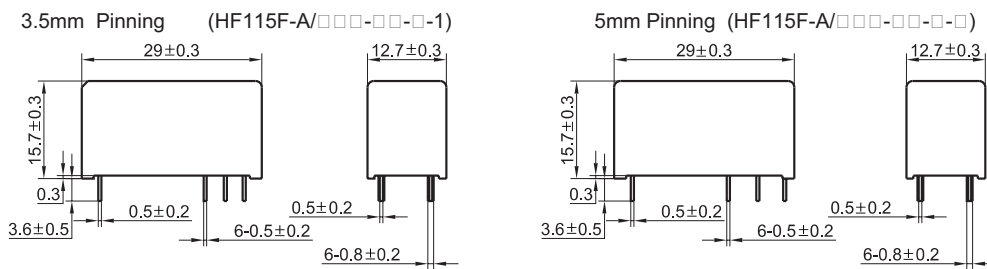
VERSION: EN03-20050301

ORDERING INFORMATION

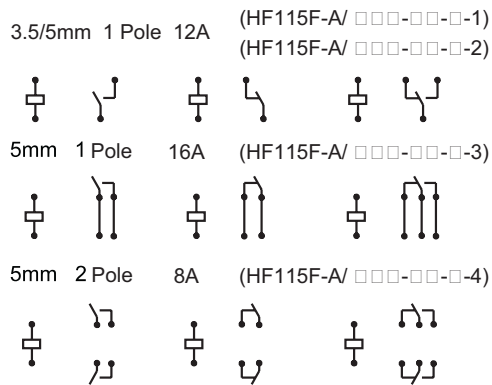
Type	HF115F-A / A024 1H S 1 A F XXX						
Coil voltage	24VAC, 115VAC, 230VAC						
Contact arrangement	1H: 1 Form A 1D: 1 Form B 1Z: 1 Form C 2H: 2 Form A 2D: 2 Form B 2Z: 2 Form C						
Structure	S: Sealed Nil: Unsealed						
Version	1: 3.5mm 1 pole 12A 2: 5.0mm 1 pole 12A 3: 5.0mm 1 pole 16A 4: 5.0mm 2 pole 8A						
Contact Material	A: AgSnO ₂ B: AgNi Nil: AgCdO						
Insulation Standard	F: Class F Nil: Class B						
Special request code	(For example: 551: Lead-free 555: RoHs & WEEE compliant)						

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions



Wiring Diagram



PCB layout

