

FLAF

General Purpose Relay

cUL_{us} E173485

30.5×16.0×23.5



- Ideal for motor switching in appliances and HVAC
- 20A switching capability
- Designed for high inrush compressor loads
- Semi-sealed construction
- Sealed version available
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1H
Contact Material	Silver Alloy
Load	Resistive load(COS Φ=1)
Contact Ratings	20A 250VAC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC
Max Switching Current	20A
Max Switching Power	5000VA
Contact Resistance	100mΩ Max at 6VDC 1A
Electrical	100,000 Operations(at30Operations/minute)
Mechanical	10,000,000 Operations(at300Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100MΩ Min at 500VDC
Between Open Contacts	1500VAC(for one minute)
Between Contacts and Coil	4500VAC(for one minute)
Operate Time	20ms
Release Time	10ms
Temperature Range	-25℃to+55℃
Shock Resistance	Operating Extremes: 20G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity	40-85%
Weight	Approx 23g

APPROVED STANDARDS

UL & cUL	20A 250VAC
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COIL DATA

at 20℃

Coil Power 0.9W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
5	180	3.75	0.5	28
6	150	4.5	0.6	40
12	75	9	1.2	160
24	37.5	18	2.4	640
48	18.75	36	4.8	2560

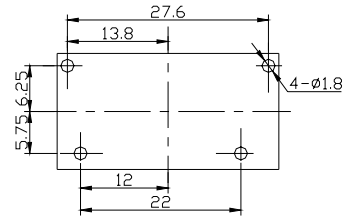
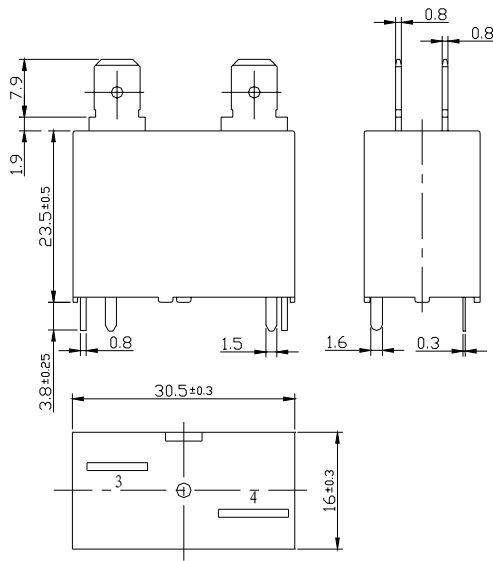
ORDERING CODE

<p><u>FLAF</u> — <u>12VDC</u> — <u>S</u> — <u>H</u></p> <p>1 2 3 4</p>				
<p>1. Relay Model</p> <p>2. Coil Nominal Voltage 5,6,12,24,48VDC</p> <p>3. Sealed</p> <p>4. Contact Form H: Form A</p>				

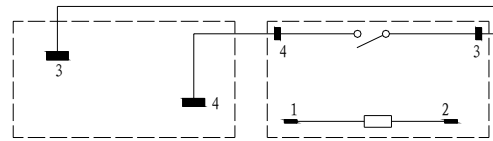


OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT

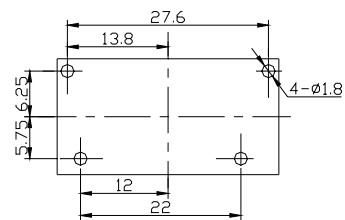
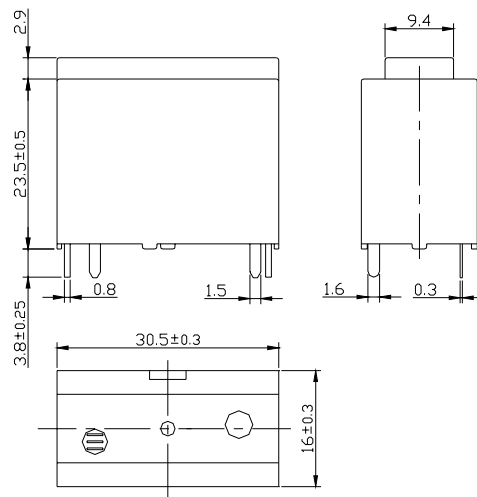
FLAF-H



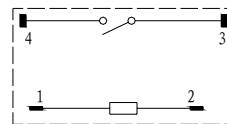
Layout (Bottom View)



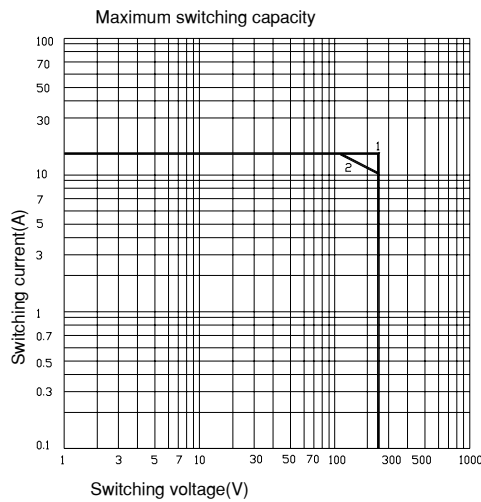
FLAF-H-P



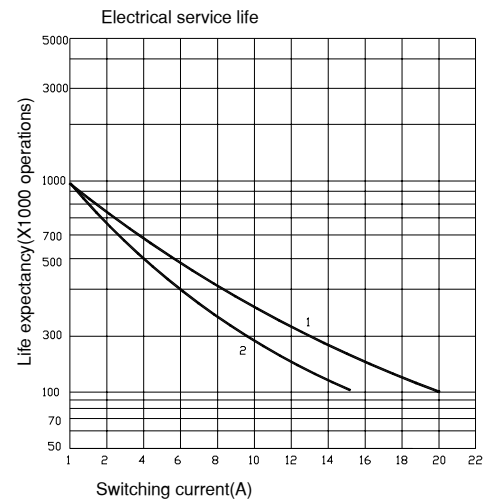
Layout (Bottom View)



ENGINEERING DATA



1.AC resistive
2.AC inductive
cosφ=0.4



1.250VAC resistive load
2.250VAC inductive load
cosφ=0.4



FLOURISHING RELAY

The specifications are for the customer's reference and are subject to change without notice.