

8400 (HF8400)

HIGH POWER RELAY



Features

- 16A switching capability
- 2.5KV dielectric strength
(between coil and contacts)
- Panel mount, various terminal types
- Environmental protection product available
(RoHs & WEEE compliant)

CONTACT DATA

Contact Arrangement	1A, 1B, 1C	
Initial Contact Resistance Max.	50mΩ (at 1A 24VDC)	
Contact Material	AgCe	
Contact Rating	Res. Load	1A & 1B: 16A 120/240VAC 1C: 8A 120/240VAC
	Inductive Load	8A 120/240VAC
Max. switching voltage	240VAC	
Max. switching current	16A	
Max. switching power	3840VAC	
Mechanical life	1 x 10 ⁶ ops	
Electrical life	1 x 10 ⁵ ops	

CHARACTERISTICS

Initial Insulation Resistance	1500MΩ, 500VDC	
Dielectric Strength	Between coil and Contacts	2500VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)	Max. 25ms (for DC type)	
Release time (at nomi. Volt.)	Max. 25ms (for DC type)	
Temperature rise (at nomi. volt.)	Max. 60°C	
Shock Resistance (Functional)	150m/s ² 11ms	
Vibration Resistance	DA: 2.54mm, 10 to 55Hz	
Ambient temperature	-20°C to +40°C	
Humidity	98%, +40°C	
Termination	QC, Screw, Solder	
Unit weight	Approx. 75g	
Construction	Dust cover	

COIL

Coil power	DC: 2.1W AC: 3.5VA
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance Ω
6	4.50	0.6	17.5 ± 10%
9	6.75	0.9	40 ± 10%
12	9.00	1.2	70 ± 10%
24	18.0	2.4	280 ± 10%
48	36.0	4.8	1120 ± 10%
120	90.0	12.0	7000 ± 10%

Nominal Voltage VAC	Pick-up Voltage VAC	Drop-out Voltage VAC	Coil Resistance Ω
6	5.1	1.2	4.8 ± 10%
12	10.2	2.4	19 ± 10%
24	20.4	4.8	90 ± 10%
48	40.6	9.6	300 ± 10%
120	102	24	2000 ± 10%
240	204	48	7200 ± 10%
277	235	55.4	11000 ± 10%

SAFETY APPROVAL RATINGS

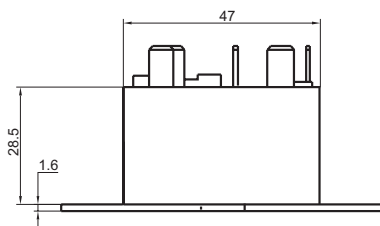
UL	8400-1	8FLA 25LRA, 250VAC 16A, 250VAC 8A, 250VAC
	8400-4	8FLA 25LRA, 250VAC 16A, 250VAC 8A, 250VAC
	8400-7	8FLA 25LRA, 250VAC 8A, 250VAC

ORDERING INFORMATION

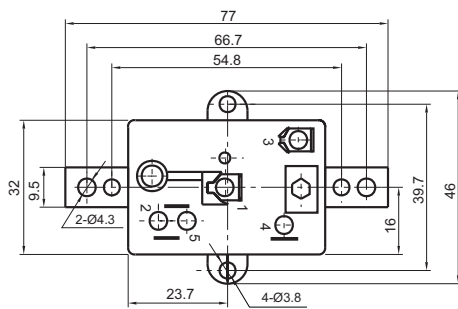
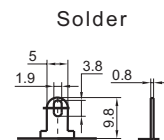
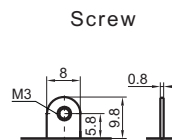
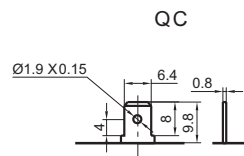
Type	8400 /	1	A	24	1	XXX
Contact arrangement	1: 1C(SPDT) 4: 1A(SPDT-NO) 7: 1B(SPDT-NC)					
Coil input	D: DC A: AC					
Coil voltage	AC: 6 to 277VAC DC: 6 to 120VDC					
Termination	1: Quick connect 2: Screw terminal 3: Solder terminal					
Special request code	(For example: 551: Lead-free 555: RoHs & WEEE compliant)					

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions



Terminals TYPE



(Top view)

Wiring Diagram

