

TYPE : 812HT SERIES

Revised : 2011-07-25

Issued : 2004-05-19

■ TYPE LIST

Terminal style	Contact form	Insulation system	Designation (provided with)		
			Flux tight	Sealed type	Sealed type washable
PCB terminal	1A (SPNO)	F	812HT-1A-C	812HT-1A-V	812HT-1A-S
			FXXVDC	FXXVDC	FXXVDC

■ CONTACT RATING

Resistive load	10A 240VAC
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■ COIL RATING (DC)

Rated voltage (V)	Rated current ±10 % at 23°C (mA)	Coil resistance ±10 % at 23°C (Ω)	Max. continuous voltage at 105°C	Pick up voltage(Max) at 23°C	Drop out voltage(Min) at 23°C	Power consumption at rated voltage
3	120	25	110 % of rated voltage	70 % of rated voltage	10 % of rated voltage	approx. 0.36W
5	73	69				
6	60	100				
9	40	225				
12	30	400				
18	20	900				
24	15	1600				
36	10	3600				
48	7.5	6400				

■ SPECIFICATION

Contact material	AgNi alloy
Contact resistance ⁽¹⁾	50 mΩ Max. (1A/6VDC by 4 pipes mΩ meter)
Operate time ⁽¹⁾	15 ms Max.
Release time ⁽¹⁾	5 ms Max.
Insulation resistance ⁽¹⁾	100 MΩ Min. (DC 500V)
Dielectric strength ⁽¹⁾	Between open contact : AC 750V, 50/60Hz 1 min.

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Dielectric strength ⁽¹⁾	Between contact and coil : AC 1500V, 50/60Hz 1 min.	
Vibration resistance	Operating extremes	10 ~ 50Hz , amplitude 1.0 mm
	Damage limits	10 ~ 50Hz , amplitude 1.0 mm
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (frequency 360 operations/hr)
Operating ambient temperature	-40 ~ +105°C (no freezing)	
Weight	Approx. 10 g	

Note : (1) initial value

■ SAFETY APPROVAL

Certified	UL / CUL	VDE
File No.	E88991	122905

■ SAFETY APPROVAL RATING

UL / CUL	VDE
12A 250VAC	10A 250VAC T105

Confirmed by	Checked by	Prepared by
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