

DH series

Ratings・Performance

Specifications	Item	Performance (1-pole type)			
		DH1U	DH1U-16A	DH1U-II	DH1FU
	Features	1 pole, standard type	Two terminals on PCB side	Seal type	Tab terminal
Contact specification	Contact configuration	1a/1c	1a	1a	1a/1c
	Contact resistance	50m Ω max. (at DC6V 1A)			
	Contact material	Ag alloy			
Ratings	Rated load (resistive load)	AC250V 10A	AC250V 16A	AC250V 16A	AC250V 10A
	Max. switching capacity (resistive load)	2500VA	4000VA	4000VA	2500VA
	Max. switching voltage	AC250V			
	Max. switching current	10A, TV-8	16A	16A	10A
Electrical capability	Insulation resistance	100M Ω min. (at DC500V)			
	Dielectric strength	AC4000V 1 min			
		AC1000V 1 min			
	Impulse withstand voltage (between coil and contact)	10 000V min. (1.2 \times 50 μ s)			
	Operate time (at rated voltage on, at 20°C)	15ms max. (excluding contact bounce time)			
	Release time (at rated voltage off, at 20°C)	1a: 5ms max. (excluding contact bounce time) 1c: 15ms max. (excluding contact bounce time)			
Mechanical capability	Vibration resistance	1a: 10 to 55 to 10Hz (double amplitude 1.5mm) 1c: 10 to 55 to 10Hz (double amplitude 1.0mm)			
	Shock resistance	100m/s ²			
		1000m/s ²			
Life	Mechanical endurance (at 180 times/min)	1 000 000 times min.			
	Electrical endurance (resistive load) (at 20 times/min)	100 000 times min. (at rated load)			
Conditions for operation	Ambient temperature	-15°C to +60°C (no freezing and condensing at low temperature)			
	Ambient humidity	5% to 85%RH			
Mass		approx. 17g	approx. 19g	approx. 17g	approx. 20g

Specifications	Item	Performance (2-poles type)	
		DH2U	DH2TU
	Features	2 poles, standard type	High contact reliability
Contact specification	Contact configuration	2a/2c	2a (cross bar twin contact)
	Contact resistance	50m Ω max. (at DC6V 1A)	30m Ω max.
	Contact material	Ag alloy	Ag-GS clad
Ratings	Rated load (resistive load)	AC250V/DC30V 5A	AC120V/DC30V 3A
	Max. switching capacity (resistive load)	1250VA	360VA
	Max. switching voltage	AC250V	AC120V
	Max. switching current	5A	3A
Electrical capability	Insulation resistance	100M Ω min. (at DC500V)	
	Dielectric strength	AC4000V 1 min	
		AC1000V 1 min	
		AC1000V 1 min	
	Impulse withstand voltage (between coil and contacts)	10 000V min. (1.2 \times 50 μ s)	
	Operate time (at rated voltage on, at 20°C)	20ms max. (excluding contact bounce time)	
Mechanical capability	Release time (at rated voltage off, at 20°C)	2a: 10ms max. (excluding contact bounce time) 2c: 20ms max. (excluding contact bounce time)	
	Vibration resistance	2a: 10 to 55 to 10Hz (double amplitude 1.5mm) 2c: 10 to 55 to 10Hz (double amplitude 1.0mm)	
Life	Shock resistance	100m/s ²	
		1000m/s ²	
Life	Mechanical endurance (at 180 times/min)	1 000 000 times min.	
	Electrical endurance (resistive load) (at 20 times/min)	100 000 times min. (at rated load)	10 000 times min. (at rated load)
Conditions for operation	Ambient temperature	-15°C to +60°C (no freezing and condensing at low temperature)	
	Ambient humidity	5% to 85%RH	
Mass		approx. 18g	

● Notes: The above is the initial value.

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