

# 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	50mΩ 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	100MΩ min. (at DC500V)			
	Dielectric strength	Between coil and contact	AC4000V 1 min		
		Between open contact	AC1000V 1 min		
	Impulse withstand voltage (between coil and contact)	10 000V min. (1.2 × 50 μs)			
	Operate time (at rated voltage on, at 20°C)	15ms max. (excluding contact bounce time)			
Mechanical capability	Vibration resistance	Malfunction	1a: 5ms max. (excluding contact bounce time)		
		Destruction	1c: 15ms max. (excluding contact bounce time)		
	Shock resistance	Malfunction	1a: 10 to 55 to 10Hz (double amplitude 1.5mm)		
Destruction		1c: 10 to 55 to 10Hz (double amplitude 1.0mm)			
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	50mΩ max. (at DC6V 1A)	30mΩ 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	100MΩ min. (at DC500V)	
	Dielectric strength	Between coil and contacts	AC4000V 1 min
		Between open contacts	AC1000V 1 min
		Between opposite polarity contacts	AC1000V 1 min
	Impulse withstand voltage (between coil and contacts)	10 000V min. (1.2 × 50 μs)	
Operate time (at rated voltage on, at 20°C)	20ms max. (excluding contact bounce time)		
Mechanical capability	Vibration resistance	2a: 10ms max. (excluding contact bounce time)	2c: 20ms max. (excluding contact bounce time)
		2a: 10 to 55 to 10Hz (double amplitude 1.5mm)	2c: 10 to 55 to 10Hz (double amplitude 1.0mm)
	Shock resistance	Malfunction	100m/s <sup>2</sup>
Destruction		1000m/s <sup>2</sup>	
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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