

DUR10

Features

- Contact rating AC230V 60A
- 2-poles latching type
- With auxiliary contact to detect open/close status

Coil ratings

AC/DC	Item Voltage (V)	Operate voltage (-25°C to +85°C)	Exciting time	Coil resistance (Ω) (at 20°C)	Power consumption (at 20°C)	Maximum voltage
DC	5	85% max. of rated voltage (Initial)	50 to 150ms Duty factor 1/2 max.	6.25	4W	1.5 times the rated voltage
	12			36		
AC	100V/200V For half wave rectification		50 to 150ms Duty factor 100V 1/10 max. 200V 1/40 max.	770	100V 11.4W 200V 46W (rms)	AC230V Half wave rectification

Ratings・Performance

Item			Performance	Notes
Main Contact	Contact configuration		2a	
	Contact material		Ag alloy	
	Rated current		AC60A	
	Max. switching voltage		AC230V	
	Over-current capability		AC90A 20min	
			AC1200A 0.5s	
Auxiliary Contact	Contact resistance		0.5m Ω max.	DC6V 1A
	Contact configuration		1a	
	Contact material		Au plated	
	Rated voltage/Rated current		DC3 to 10V, DC0.3 to 10mA	
Switching capability Life	Electrical endurance		AC200V 30A 20 000 times min.	Resistive load
			AC100V 60A 3000 times min.	
			AC100V 90A 1000 times min.	
	Mechanical endurance		100 000 times min.	
Operate time			20ms max. (excluding contact bounce time)	
Temperature rise	Temperature rise at connecting terminals		AC33A 15°C max.	8mm ² × 1.5m with wire connection
			AC66A 40°C max.	14mm ² × 1.5m with wire connection
Insulation capability	Insulation resistance		DC500V 1000M Ω min.	
	Dielectric strength	Between open contact	AC2000V 50/60Hz 1min	
		Between contact and coil	AC4000V 50/60Hz 1min	
	Surge withstand voltage	Between contact and coil	10kV (1.2 × 50 μ s) 3 times each for positive and negative polarity	
Mechanical capability	Vibration resistance		16.7Hz double amplitude 4.8mm 1h	
	Shock resistance	Malfunction	500m/s ² (half-sine pulse 11ms)	
		Destruction	1000m/s ² (half-sine pulse 0.2 to 6ms)	
Usage environment	Usage and storage conditions		Temperature: -25°C to +70°C Humidity: 90%RH max. ※ Prolonged high temperature and humidity are not allowed.	No freezing and condensing at low temperature
	Others		No influence of corrosive gases such as sulfide gas	
Mass			Approx. 150g	

DEC is a professional manufacturer of relays

DEC Daiichi Electric Co., Ltd.
<https://www.j-dec.co.jp>