

# DUR10

## ■ Features

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

## ■ Coil ratings

AC/DC	Voltage (V)	Item	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						
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	0.5mΩ max.	DC6V 1A
	Contact configuration	1a	
	Contact material	Au plated	
Switching capability	Electrical endurance	DC3 to 10V, DC0.3 to 10mA	Resistive load
		AC200V 30A 20 000 times min. AC100V 60A 3000 times min. AC100V 90A 1000 times min.	
Operate time	Mechanical endurance	100 000 times min.	
Temperature rise	Temperature rise at connecting terminals	20ms max. (excluding contact bounce time)	
		AC33A 15°C max. AC66A 40°C max.	8mm <sup>2</sup> × 1.5m with wire connection 14mm <sup>2</sup> × 1.5m with wire connection
Insulation capability	Insulation resistance		DC500V 1000MΩ 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 μs) 3 times each for positive and negative polarity	
Mechanical capability	Vibration resistance		16.7Hz double amplitude 4.8mm 1h
	Shock resistance	Malfunction	500m/s <sup>2</sup> (half-sine pulse 11ms)
Destruction		1000m/s <sup>2</sup> (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.
	Others		No influence of corrosive gases such as sulfide gas
Mass			Approx. 150g

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