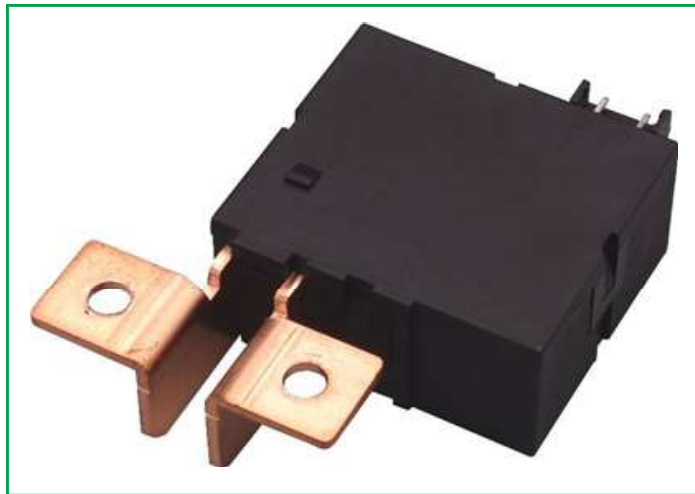


Power latching relay

DLR10



■ It is currently suitable for use in such applications.

-
- Electricity meters
 - Time switch
 - Other industrial equipment
-

DEC is a professional manufacturer of relays

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

DLR10

Features

- Contact rating AC250V 90A
- Latching type
- Dielectric strength AC4000V, Surge withstand voltage 12 000V
- Low contact resistance and low heat generation due to double contacts

Coil ratings

- 1 coil latching

AC/DC	Item Voltage (V)	Operate voltage	Exciting time	Coil resistance (Ω) ±10% (at 20°C)	Power consumption (W) (at 20°C)	Maximum voltage
DC	4.5	80% max. of rated voltage	50ms min.	10.1	2	1.5 times the rated voltage
	9.0			40.5		
	12			72		
	24			288		

Ratings・Performance

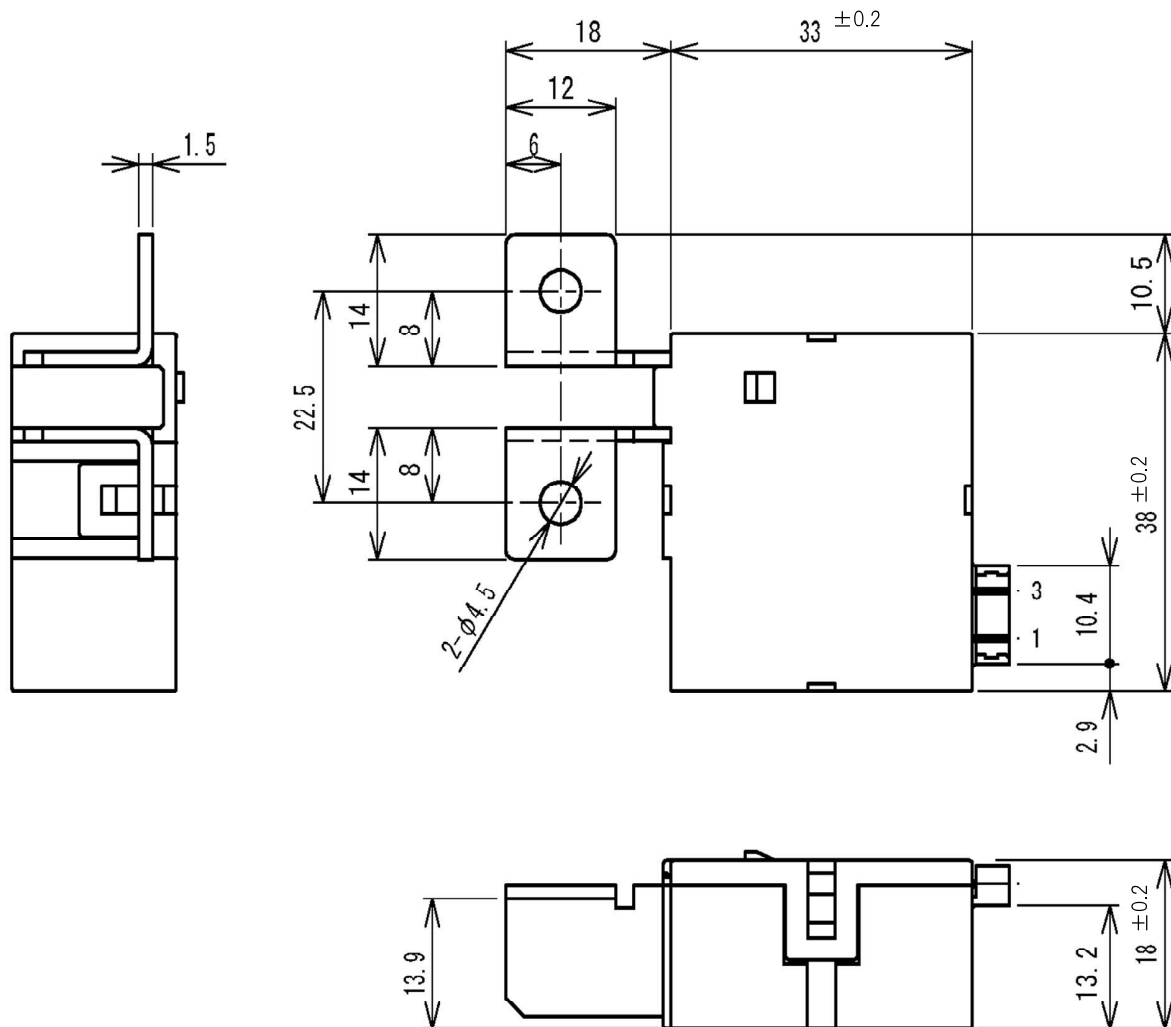
Item		Performance	Notes
Contact specification	Contact configuration	1a	
	Contact material	AgSnO ₂ type	
	Rated current	AC90A	
	Max. switching voltage	AC250V	
	Over-current capability	AC1200A 0.5s	
		AC2000A 0.01s	
Switching capability Life	Electrical endurance	0.5mΩ max.	DC6V 1A
		AC200V 30A 20 000 times	Resistive load
		AC200V 60A 5000 times	
		AC200V 90A 3000 times	
Operate time	Mechanical endurance		100 000 times
			20ms max. (excluding contact bounce time)
Temperature rise	Temperature rise at connecting terminals		AC33A 15°C max.
			AC66A 25°C max.
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	12kV (1.2 × 50 μs) 10 times each for positive and negative polarity
Mechanical capability	Vibration resistance		16.7Hz (double amplitude 4.8mm)
	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: -40°C to +85°C ※ Prolonged high temperature and humidity are not allowed.
	Others		No influence of corrosive gases such as sulfide gas
Mass			Approx. 55g

DEC is a professional manufacturer of relays

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

DLR10

■ Dimensions



Set : coil 1 (+), coil 3 (—)
Reset : coil 1 (—), coil 3 (+)

● Please understand that specifications may be changed without notice due to product improvement etc. ● Dimensions and specifications indicate only major points. Please contact our sales representatives for details.

DEC is a professional manufacturer of relays

DEC Daiichi Electric Co., Ltd.

Head office 618-2, Miharada, Akagi-machi, Shibukawa-shi, Gunma, 379-1126, Japan

Phone +81-279-56-3151

Facsimile +81-279-56-3154

U R L <https://www.j-dec.co.jp> E-Mail: sales@j-dec.co.jp

Agency

202411