General purpose miniature power relay that can be used for a wide range of applications from control to power.

# **DI** series

## Features

- O Boasting high reliability and achievements, with an input current of 80A, carry and cut-off current of 20A,
- it is suitable for motor load of compressor of air conditioners.
- O PCB type and TMP type (with tab terminal for contact and PCB terminal for coil and contact signal) are prepared.
- O Small size, easy to use 1-pole type, ideal for inverter power supply for air conditioners (input current 200A peak, cut off 20A).

O Insulation structure with high noise resistance.

## Model numbering system

Rated coil voltage : Numeric part indication		
	DC (V): 5, 12, 24	
Coil type	D: DC	
Number of contact poles	1: 1 pole	
Shape indication	Nil: Standard type (make contact with #250 tab terminal)	
	O(M): No tab terminal make contact	
Withstand voltage	Nil: Standard type	
	-H: High dielectric strength type	

## Safety standards

	Contact rating
UL	23A 277V AC 2hp 240V AC
CSA	23A 277V AC 2hp 240V AC
TUV	$20A(\cos\phi=1), 15A(\cos\phi=0.4)$ 250V AC
CQC	23A 277V AC, 20A 250V AC

Electrical Appliances and Materials Safety Act

Coil ratings

#### Conformable

Operate voltage Release voltage Maximum voltage Power Item Rated current Coil resistance consumption (mA)(W) Voltage Ratio to rated voltag 180 27.8 5 DC 80% max. 10% min. 110% 0.9 12 75 160 24 38 640

• Notes: 1. Rated current and coil resistance are values at coil temperature of 20°C, tolerance is ±10%.

2. Operate voltage and release voltage are values at coil temperature of 20°C.

3. Maximum voltage is the maximum value of the allowable voltage fluctuation range of the relay coil operating power supply with the ambient temperature at  $20^{\circ}$ C.

DEC is a professional manufacturer of relays
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