

DF series

■ Features

○ General purpose high capacity power relay boasting high reliability and achievements.

■ Model numbering system



Rated coil voltage: Numeric part indication

DC (V): 5, 12, 24, 48, 100

Coil type D: DC

Number of contact poles 1: 1 pole

Shape indication F: Coil side is #187 tab terminal, contact side is #250 tab terminal, flange-mounting type

Contact configuration Nil: Transfer contact

(M): Make contact

■ Safety standards

	Contact rating	
	DFU 1a	DFU 1c
UL/cUL	20A 275V AC 2hp 265V AC	15A 280V AC 2hp 265V AC
VDE	20A $\cos \phi = 1$ 250V AC	15A $\cos \phi = 0.4$ 250V AC
Electrical Appliances and Materials Safety Act	Conformable	

■ Coil ratings

AC/DC	Item Voltage	Rated current (mA)	Coil resistance (Ω)	Operate voltage (V)	Release voltage (V)	Maximum voltage (V)	Power consumption (W)
				Ratio to rated voltage			
DC	5	180	27.8	80% max.	10% min.	110%	0.9
	12	75	160				
	24	37	650				
	48	20	2400				
	100	10	10 000				
							0.96
							1.0

- Notes:
1. Rated current and coil resistance are values at coil temperature of 20°C, tolerance is $\pm 10\%$.
 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°C.