# **EA** series

#### ■ Features

- O General purpose power relay boasting high reliability and achievement.
- O Tab terminals for contact and PCB terminals for coil and contact signal is prepared.
- O It is a relay developed with optimum specification for microwave ovens.
- O Low-profile, low coil power consumption (high sensitivity) relay.

#### ■ Model numbering system

Rated coil voltage: Numeric	part indication						
	DC (V): 12, 24						
Coil type	D: DC						
Number of contact poles	1: 1 pole						
Shape indication 1	1P: Fixed terminal with signal terminal on PCB side						
	1PR: No signal terminal fixed terminal, with insulation mounting terminal						
Contact configuration	(M): Make contact						
Shape indication 2	-R: Type 1P, with dummy terminal						

## ■ Safety standards

	Contact rating					
UL (C-UL)	16A 250V AC					
VDE	16A 250V AC cos φ=1					
Electrical Appliances and Materials Safety Act	Conformable					

### ■ Coil ratings

	Item	Rated current (mA)	Coil resistance $(\Omega)$	Operate voltage (V)	Release voltage (V)	Maximum voltage (V)	Power consumption
AC/DC Voltage (IIIA)		(111/17)	(36)	Ratio to rated voltage			(W)
DC	12	41.7	288	80% max.	5% min.	110%	0.5
	24	20.9	1150		60% max.	J/0 111111.	110/0

- Notes: 1. Rated current and coil resistance are values at coil temperature of  $20^{\circ}$ C, tolerance is  $\pm 10\%$ .
  - 2. Operate voltage and release voltage are values at coil temperature of  $20\ensuremath{^\circ C}.$
  - 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.