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

EL series

■ Features

- ○ It has been designed for controlling of high capacity use.
  1a contact 30A, 2a contact 25A.
- ○ Quick-connect, screw, and PCB terminals available.
- ○ AC/DC coil is prepared. No contact chattering for momentary voltage drops up to 50% of rated voltage.
- ○ AC-activated coil is wide range specification of AC 100V to 120V or AC 200V to 240V.
- ○ Primary-secondary insulation distance is 8mm and the contact spacing is 3mm or more, it is a safety design with excellent insulation performance
  "UL 94V-0" molding material is adopted for all insulating materials.

■ Model numbering system

EL □ □ □ — □ □ — □

Rated coil voltage: Numeric part indication	AC (V): 24, 100/120, 200/240 DC (V): 12, 24
Coil type	A: AC D: DC
Number of contact poles	1: 1 pole 2: 2 poles
Shape indication	F: Flange-mounting type (#250 tab terminals) BF: Flange-mounting type (screw terminals) O: PCB terminals
Contact configuration	(M): Make contacts
Notes	C: Has built-in capacitor type (noise reduction products generated from relays: 20dB or less at noise level 500kHz or more)

■ Safety standards

	Contact rating	
	EL1U	EL2U
UL (C-UL)	30A 277V AC (General use)	25A 277V AC (General use)
TUV	30A ($\cos\phi$=1, $\cos\phi$=0.4) 250V AC	25A ($\cos\phi$=1, $\cos\phi$=0.4) 250V AC 20A ($\cos\phi$=1) 480V AC
VDE	30A ($\cos\phi$=1, $\cos\phi$=0.4) 250V AC	25A ($\cos\phi$=1, $\cos\phi$=0.4) 250V AC
CQC	30A 277V AC	25A 277V AC

Electrical Appliances and Materials Safety Act	Conformable

■ Coil ratings

AC/DC \ Item: Voltage	Rated current (mA) (AC: 50Hz/60Hz)	Coil resistance (Ω)	Operate voltage (V) Ratio to rated voltage	Release voltage (V) Ratio to rated voltage	Maximum voltage (V) Ratio to rated voltage	Power consumption
AC 24	71.0		80% max.	15% min.	110%	1.7VA to 2.5VA
AC 100/120	17.0～20.4					
AC 200/240	8.5～10.2					
DC 12	160	75	80% max.	10% min.	110%	1.9W
DC 24	79	303				

● Notes:
1. Rated current and coil resistance are values at coil temperature of 20℃, with tolerance of +15%/-20% for AC rated current. Tolerance is ±10% for DC coil resistance.
2. 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℃.
3. In the rated voltage of AC, "/" (for example, 100/120) is a range rating and can be used in this range of voltage. The current values in the table are shown as typical values at 100V and 200V.