



## ■ Accessories (continued)

### Back Connecting Sockets

Relay type	Model	
	Socket	Relay hold-down clip
SPDT DPDT	PL08	PLC-E
	PLE08-0	PLC-10
	PL08-Q	PLC-E
3PDT	PL11	PLC-E
	PLE11-0	PLC-10
	PL11-Q	PLC-E

## Specifications

### ■ Contact Data

Load	Resistive load (p.f. = 1)		Inductive load (p.f. = 0.4)
	2 Pole	3 Pole	
Rated load	10 A at 250 VAC 10 A at 28 VDC	10 A at 120 VAC 10 A at 28 VDC 10 A at 250 VAC	7 A at 250 VAC
Contact material	Ag		
Carry current	10 A		
Max. operating voltage	250 VAC, 250 VDC		
Max. operating current	10 A		
Max. switching capacity	2,500 VA 280 W	2,500 VA/1,250 VA (NO/NC contacts) 280 W	1,750 VA
Min. permissible load	10 mA at 1 VDC		

### ■ Coil Data

#### AC

Rated voltage (VAC)	Rated current (mA) (at 60 Hz)	Coil resistance (Ω)	Coil inductance (Ref. value) (H)		Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption (mW)
			Armature OFF	Armature ON				
6	360	3.9	0.0423	0.0201	80% max. Approx. 2.7 VA	30% min. (at 60 Hz) 25% min. (at 50 Hz)	110% max.	Approx. 2.3 VA (at 60 Hz) Approx. 2.7 VA (at 50 Hz)
12	180	16.3	0.3270	0.1666				
24	88.0	68.0	0.6940	0.3760				
50	39.0	338	3.195	1.530				
110	21.0	1240	13.45	7.32				
120	18.0	1578	15.04	7.19				
220	11.0	5090	49.73	27.02				
240	9.2	6737	58.62	32.07				

#### DC

Rated voltage (VDC)	Rated current (mA) (at 60 Hz)	Coil resistance (Ω)	Coil inductance (Ref. value) (H)		Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption (mW)
			Armature OFF	Armature ON				
6	255	23.5	0.206	0.106	80% max. Approx. 2.7 VA	15% min.	110% max.	Approx. 1.5 W
12	126	95	0.963	0.449				
24	56	430	4.915	2.478				
48	29.5	1630	16.685	10.487				
110	15.1	7300	80.2	42.6				

- Note:**
1. The rated current and coil resistance are measured at a coil temperature of 23°C (73°F) with a tolerance of ±15% for DC rated current and +15%, -20% for AC rated current.
  2. The rated current is reference value.
  3. Performance characteristic data are measured at a coil temperature of 23°C (73°F).
  4. For models with the LED indicator built-in, add an LED current of approximately 0 thru 5 mA to the rated current.









## ■ Approvals

### UL (File No. E41515)/CSA (File Nos. LR41408 and LR335535)

Type	Contact form	Coil ratings	Contact ratings
MK2P-I, -S	DPDT	6 to 250 VAC 6 to 110 VDC	10 A, 250 VAC, Resistive
			10 A, 28 VDC, Resistive
			7 A, 250 VAC, Inductive
MK3P5-I, -S	3PDT	6 to 250 VAC 6 to 110 VDC	10 A, 120 VAC, Resistive
			10 A, 28 VDC, Resistive
			10 A, 250 VAC, Resistive
			7 A, 250 VAC, Inductive

### SEV, DEMKO

Type	Contact form	Coil ratings	Contact ratings
MK2P-I, -S	DPDT	6 to 110 VDC	10 A, 250 VAC (NO) ( $\cos\phi = 1$ )
			5 A, 250 VAC (NC) ( $\cos\phi = 1$ )
			10 A, 280 VDC (NO)
MK3P5-I, -S	3PDT	6 to 240 VAC	5 A, 280 VDC (NC)
			7 A, 250 VAC ( $\cos\phi = 0.4$ )

### TUV (File No. R9051410)

Type	Contact form	Coil ratings	Contact ratings
MK2P-I, -S	DPDT	6, 12, 24, 48, 100, 110 VDC	10 A, 250 VAC (NO) ( $\cos\phi = 1$ )
			5 A, 250 VAC (NC) ( $\cos\phi = 1$ )
			10 A, 280 VDC (NO)
MK3P5-I, -S	3PDT	6, 12, 24, 50, 110, 115, 120, 200, 220, 230, 240 VAC	5 A, 280 VDC (NC)
			7 A, 250 VAC ( $\cos\phi = 0.4$ )

- Note:**
1. The rated values approved by each of the safety standards (e.g., UL and CSA) may be different from the performance characteristics individually defined in this catalog.
  2. VDE, Nemko and Semko versions are available. Please consult your OMRON representative for further information.
  3. In the interest of product improvement, specifications are subject to change.

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