

MK

General Purpose Relay

Features

- Compact relay capable of breaking relatively large load currents
- Long life (minimum 100,000 electrical operations) assured by silver contacts
- The contact operation can be easily checked by mechanical indicator and push-to-test button
- VDE versions available



Contact Data

Contact ratings

DPDT: 10 A, 250 VAC, 28 VDC (Resistive); 7 A, 250 VAC (Inductive)

SPDT: 10 A, 120 VAC, 28 VDC (Resistive); 10 A/5 A (NO/NC),

250 VAC (Resistive); 7 A, 250 VAC (Inductive)

Maximum operating voltage 250 VAC, 250 VDC

Maximum operating current 10 A

Maximum switching capacity

DPDT, Resistive: 2,500 VA, 280 W

SPDT, Resistive: 2,500 VA/1,250 VA, 280 W (NO/NC)

Minimum permissible load 10mA, at 1 VDC

Ordering Information

Part number	Rated voltage (V)	Coil res. (Ωhms)	Power	Contact rating	Type
MK2P-S -DC6	6 DC	23.5	1.5 W	10 A	DPDT
-DC12	12 DC	95		10 A	Standard
-DC24	24 DC	430		10 A	with
-DC48	48 DC	1,630		10 A	Mechanical
-AC12	12 AC	16.3	2.7 VA	10 A	Indicator
-AC24	24 AC	68		10 A	and
-AC120	120 AC	1,578		10 A	Push-to-test
-AC240	240 AC	6,737		10 A	Button
MK3P5-S -DC6	6 DC	23.5	1.5 W	10 A	3PDT
-DC12	12 DC	95		10 A	Standard
-DC24	24 DC	430		10 A	with
-DC48	48 DC	1,630		10 A	Mechanical
-AC12	12 AC	16.3	2.7 VA	10 A	Indicator
-AC24	24 AC	68		10 A	and
-AC120	120 AC	1,578		10 A	Push-to-test
-AC240	240 AC	6,737		10 A	Button

Note: 1. Other coil voltages available.

2. For LED version, insert "N" after "P" in the part number.

Coil Data (% of rated voltage)

Pickup voltage 80% max.

Dropout voltage 30% min. [60 Hz], 25% min. [50 Hz] (AC); 15% min. (DC)

Maximum voltage 110%

Characteristic Data

Initial contact resistance 50mΩ max.

Insulation resistance 100MΩ min. (at 500 VDC)

Dielectric strength

Between coil and contacts: 2,000 VAC, 50/60 Hz for 1 minute

Between contacts of same poles, between terminals of the same polarity:

1,000 VAC, 50/60 Hz for 1 minute

Between current-carrying parts, noncurrent-carrying parts, and terminals of opposite polarity: 1,500 VAC, 50/60 Hz for 1 minute

Service life

Mechanical: 5,000,000 operations min.

Electrical: 100,000 operations min. at all contact ratings

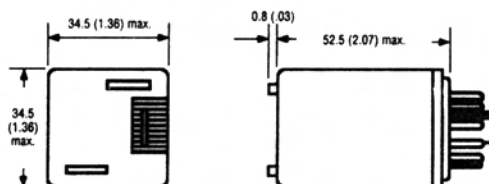
Construction Data

Termination Plug-in terminals

Weight 3.0 oz. (.85 g)

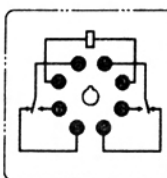
Packaging method Trays

Dimensions [Unit: mm (inch)]



Terminal arrangement (bottom view)

MK2P-S



MK3P5-S

