

Rotary

E
Series

AC125V/
AC250V
20A
10A
6A

Quick Connect
Terminal

Contacts
Circuits
are
customizable

Outline of the Series

These rotary switches are designed for medium to high current applications, supporting ratings up to 20A. They can be custom-designed according to your specific requirements, including the number of circuits, number of contacts, step angle, circuit configuration, and actuator shape.

(All models comply with Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances (RoHS).)

Common Specifications

Ratings

Symbol	EC	EK	ER	Load	Notes
Voltage					
AC125V/AC250V	20A	10A	6A (Up to 4 Circuits) 20A (Up to 2Circuits)	Resistive Load	Load only with Resistive, Power Factor=1

* A resistive load refers to a load consisting solely of resistance. In actual circuits, however, there may be inductive, capacitive, or motor loads, each of which can generate inrush current. Therefore, when selecting a switch, be sure to choose a rating with sufficient margin above the steady-state current.

For more details, please refer to "Useful Advices and Precautions on Usage of Operational Switches."

Contact Resistance	30 mΩ Max. (DC2V 1A) (Initial value)
Withstanding Voltage	AC1,500V 1 Minute
Insulating Resistance	100MΩ Min. (DC500V)
Electrical Life	20,000 times
Operating Temperature Range	-20°C ~ +70°C
Storage Temperature Range	-20°C ~ +70°C
Hand-soldering Conditions	350 ± 3°C within 3 sec.

Packaging Quantity

50 pcs

Product Designations

Series Name Degree of Step Number of Circuits Number of Contacts Custom Reference Number

E

C

7

6

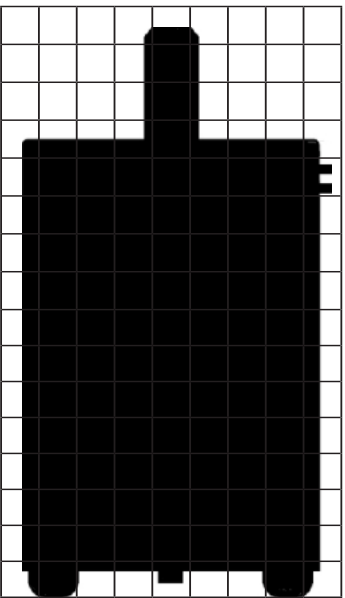
The Vertical Lines of the Circuit Diagram.

The Horizontal Lines of the Circuit Diagram.

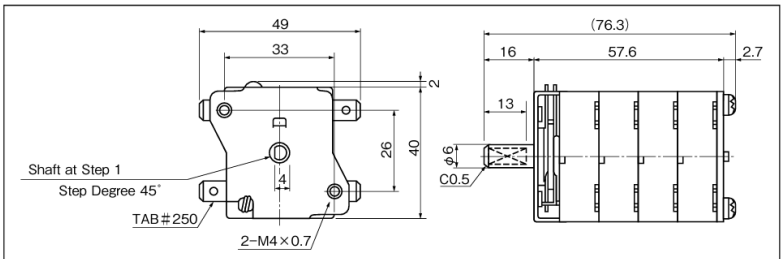
* Custom Reference Number is the type name for custom products.



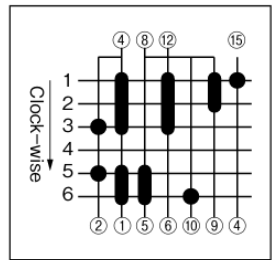
Silhouette (EC76 □□)



76.3 mm



Circuit Diagrams (Example)



(Parameters such as number of common terminals, number of circuits, or number of steps can be optionally designed.)

The Dimensions of Shaft are for reference only.

* For products other than those listed above or for custom items, please contact us.

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E

K

4

5

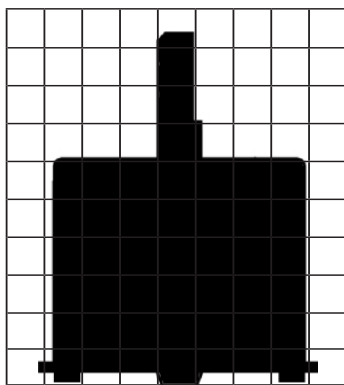
The Vertical Lines of the Circuit Diagram.

The Horizontal Lines of the Circuit Diagram.

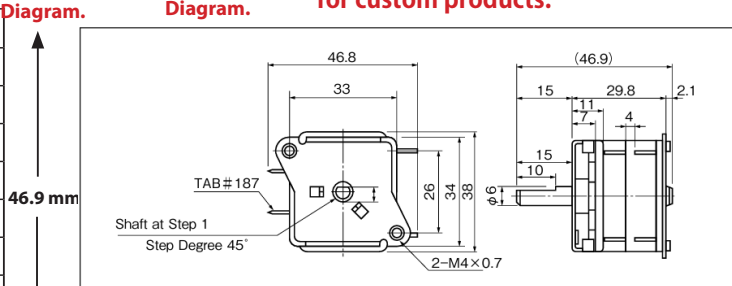
* Custom Reference Number is the type name for custom products.



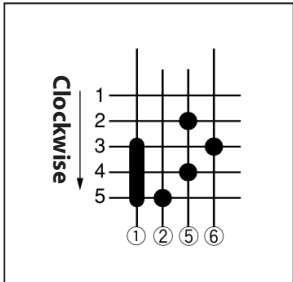
Silhouette (EK44 □□)



38 mm



Circuit Diagrams (Example)



(Parameters such as number of common terminals, number of circuits, or number of steps can be optionally designed.)

However, the number of circuits is up to 6 (three-tier).

The Dimensions of Shaft are for reference only.

Series Name Degree of Step Number of Circuits Number of Contacts Custom Reference Number

E

R

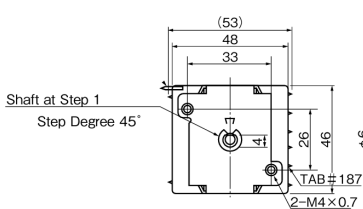
4

5

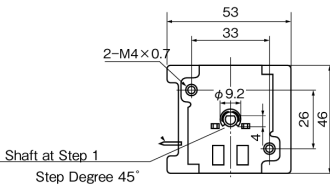
The Vertical Lines of the Circuit Diagram.

The Horizontal Lines of the Circuit Diagram.

* Custom Reference Number is the type name for custom products.



QuickConnect #187



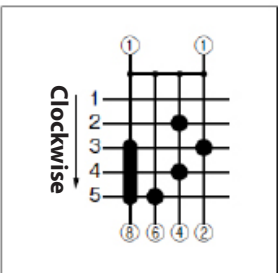
Quick Connect #250



Quick Connect #187

Quick Connect #250

Circuit Diagrams (Example)

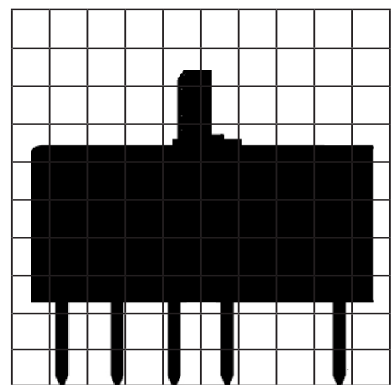


(Parameters such as number of common terminals, number of circuits, or number of steps can be optionally designed.)

However, the number of circuits is up to 6 (three-tier).

The Dimensions of Shaft are for reference only.

Silhouette (ER45 □□) TAB#250



46 mm

42.3 mm

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