Rotary Switches
AC09, 16 and 32

Digital code output type

■ Description
FUJI AC series rotary switches offer a wide choice of output codes. They feature sliding Au-flashed contacts for high contact reliability. Inhibitor and parity check circuits guard against switch malfunctions caused by error signals. With only seven connections to make, these switches are an economical solution to multiposition switching needs.

■ Features
- Au-flashed contacts for high contact reliability.

- The protection of operator section meets the IP65 (IEC), so these switches can be used in oil-splash environments, such as on machine tool control panels. (Except for AC32)
- A wide choice of output codes fits a broad range of applications. Available step angles are 15, 30, and 360°/26 (13.85°). Real binary code, complementary binary code, and real gray code are available.
- Switches are available with connectors or with lock rings for easy handling.
- Stopper screw positions are user selectable.

AC09

AC16

AC32
AF90-209, 210, 211
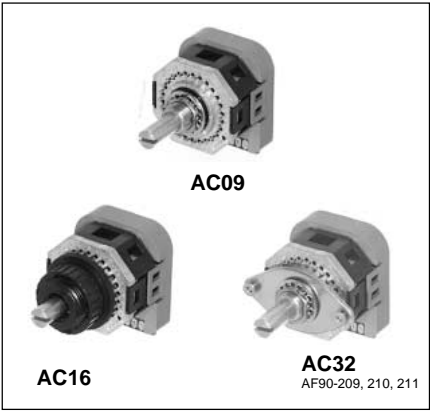
■ Ratings

Volts	Operational current (A) (resistive load)
50V AC	0.05
5V AC	0.5
25V DC	0.05
5V DC	0.25

■ Performance

Rated insulation voltage Operating temperature Humidity		50V −20 to +70°C 45 to 85%RH (non condensation)
Service life	Mechanical Electrical	50,000 operations 50,000 operations
Dielectric strength	Between terminals Between terminals and ground	250V AC, 1 minute 1500V AC, 1 minute
Insulation resistance	Between terminals Between terminals and ground	500MΩ or more 5,000MΩ or more
Degree of protection (operator section)		AC09, AC16 : IP65 (IEC60529) AC32 : IP40 (IEC60529)

■ Type number nomenclature

AC 09 – C Z 0 / 25 L1 E A01 / 0007

Basic type

Mounting
09: M9 nut
16: M16 adapter
32: Adapter (32mm mounting pitch)

Type of code
R: Real binary code
C: Complementary binary code
G: Real gray code

Angle of step

	Angle	Setting position
X:	30°	0 to 11
W:	360°/13 (27.69°)	0 to 12
Y:	15°	0 to 23
Z:	360°/26 (13.85°)	0 to 25

Start position

	Available step angle
0 to 11:	30°
0 to 12:	360°/13 (27.69°)
0 to 23:	15°
0 to 25:	360°/26 (13.85°)

End position

	Available step angle
0 to 11:	30°
0 to 12:	360°/13 (27.69°)
0 to 23:	15°
0 to 25:	360°/26 (13.85°)

With or without lock ring
Blank: Without lock ring
0007: With lock ring
0009: With adhesive lock ring

With or without connector
Blank: 8-terminal, without connector
A01: 8-terminal, with right-angle connector
A02: 8-terminal, with straight connector
B00: 7-terminal, without connector
B01: 7-terminal, with right-angle connector
B02: 7-terminal, with straight connector

With or without stopper screw
Blank: With stopper screw
E: Without stopper screw

Length of shaft (mm)

	AC09	AC16	AC32
L1:	16	—	14.5
L2:	18	—	16.5
L3:	20	—	18.5
L4:	22	19.5	20.5

Note: When shorter action than the maximum range of switch action is used, stopper screws are used. However, stopper screws are not used if the maximum action range is used when either 15° (symbol Y) or 360°/26 (symbol Z) is specified.

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Information subject to change without notice

● **M9 nut mounting**

Angle of step	Connector	Lock ring	Type [*1] [*2] [*3]		
			Real binary code	Complementary binary code	Real gray code
30°	Without connector	Without lock ring With lock ring With adhesive lock ring	AC09-RX□/□( )■ AC09-RX□/□( )■/0007 AC09-RX□/□( )■/0009	AC09-CX□/□( )■ AC09-CX□/□( )■/0007 AC09-CX□/□( )■/0009	AC09-GX□/□( )■ AC09-GX□/□( )■/0007 AC09-GX□/□( )■/0009
	With right angle connector	Without lock ring With lock ring With adhesive lock ring	AC09-RX□/□( )■01 AC09-RX□/□( )■01/0007 AC09-RX□/□( )■01/0009	AC09-CX□/□( )■01 AC09-CX□/□( )■01/0007 AC09-CX□/□( )■01/0009	AC09-GX□/□( )■01 AC09-GX□/□( )■01/0007 AC09-GX□/□( )■01/0009
	With straight connector	Without lock ring With lock ring With adhesive lock ring	AC09-RX□/□( )■02 AC09-RX□/□( )■02/0007 AC09-RX□/□( )■02/0009	AC09-CX□/□( )■02 AC09-CX□/□( )■02/0007 AC09-CX□/□( )■02/0009	AC09-GX□/□( )■02 AC09-GX□/□( )■02/0007 AC09-GX□/□( )■02/0009
360°/13 (27.69°)	Without connector	Without lock ring With lock ring With adhesive lock ring	AC09-RW□/□( )■ AC09-RW□/□( )■/0007 AC09-RW□/□( )■/0009	AC09-CW□/□( )■ AC09-CW□/□( )■/0007 AC09-CW□/□( )■/0009	
	With right angle connector	Without lock ring With lock ring With adhesive lock ring	AC09-RW□/□( )■01 AC09-RW□/□( )■01/0007 AC09-RW□/□( )■01/0009	AC09-CW□/□( )■01 AC09-CW□/□( )■01/0007 AC09-CW□/□( )■01/0009	
	With straight connector	Without lock ring With lock ring With adhesive lock ring	AC09-RW□/□( )■02 AC09-RW□/□( )■02/0007 AC09-RW□/□( )■02/0009	AC09-CW□/□( )■02 AC09-CW□/□( )■02/0007 AC09-CW□/□( )■02/0009	
15°	Without connector	Without lock ring With lock ring With adhesive lock ring	AC09-RY□/□( )■ AC09-RY□/□( )■/0007 AC09-RY□/□( )■/0009	AC09-CY□/□( )■ AC09-CY□/□( )■/0007 AC09-CY□/□( )■/0009	AC09-GY□/□( )■ AC09-GY□/□( )■/0007 AC09-GY□/□( )■/0009
	With right angle connector	Without lock ring With lock ring With adhesive lock ring	AC09-RY□/□( )■01 AC09-RY□/□( )■01/0007 AC09-RY□/□( )■01/0009	AC09-CY□/□( )■01 AC09-CY□/□( )■01/0007 AC09-CY□/□( )■01/0009	AC09-GY□/□( )■01 AC09-GY□/□( )■01/0007 AC09-GY□/□( )■01/0009
	With straight connector	Without lock ring With lock ring With adhesive lock ring	AC09-RY□/□( )■02 AC09-RY□/□( )■02/0007 AC09-RY□/□( )■02/0009	AC09-CY□/□( )■02 AC09-CY□/□( )■02/0007 AC09-CY□/□( )■02/0009	AC09-GY□/□( )■02 AC09-GY□/□( )■02/0007 AC09-GY□/□( )■02/0009
360°/26 (13.85°)	Without connector	Without lock ring With lock ring With adhesive lock ring	AC09-RZ□/□( )■ AC09-RZ□/□( )■/0007 AC09-RZ□/□( )■/0009	AC09-CZ□/□( )■ AC09-CZ□/□( )■/0007 AC09-CZ□/□( )■/0009	AC09-GZ□/□( )■ AC09-GZ□/□( )■/0007 AC09-GZ□/□( )■/0009
	With right angle connector	Without lock ring With lock ring With adhesive lock ring	AC09-RZ□/□( )■01 AC09-RZ□/□( )■01/0007 AC09-RZ□/□( )■01/0009	AC09-CZ□/□( )■01 AC09-CZ□/□( )■01/0007 AC09-CZ□/□( )■01/0009	AC09-GZ□/□( )■01 AC09-GZ□/□( )■01/0007 AC09-GZ□/□( )■01/0009
	With straight connector	Without lock ring With lock ring With adhesive lock ring	AC09-RZ□/□( )■02 AC09-RZ□/□( )■02/0007 AC09-RZ□/□( )■02/0009	AC09-CZ□/□( )■02 AC09-CZ□/□( )■02/0007 AC09-CZ□/□( )■02/0009	AC09-GZ□/□( )■02 AC09-GZ□/□( )■02/0007 AC09-GZ□/□( )■02/0009

Notes:
[*1] Replace the □□ marks by the Start and End positions

Step angle	30°	360°/13	15°	360°/26
Start and End positions	0 to 11	0 to 12	0 to 23	0 to 25

[*2] Replace the ( ) mark by the shaft length code
L1: 16mm   L2: 18mm   L3: 20mm   L4: 22mm

[*3] Replace the ■ mark by the connector
Blank: 8-terminal, without connector
A01:   8-terminal, with right angle connector
A02:   8-terminal, with straight connector
B00:   7-terminal, without connector
B01:   7-terminal, with right angle connector
B02:   7-terminal, with straight connector

04

● M16 adapter mounting

Angle of step	Connector	Type*1 *2		
		Real binary code	Complementary binary code	Real gray code
30°	Without connector With right angle connector With straight connector	AC16-RX□/□L4■ AC16-RX□/□L4■01 AC16-RX□/□L4■02	AC16-CX□/□L4■ AC16-CX□/□L4■01 AC16-CX□/□L4■02	AC16-GX□/□L4■ AC16-GX□/□L4■01 AC16-GX□/□L4■02
360°/13 (27.69°)	Without connector With right angle connector With straight connector	AC16-RW□/□L4■ AC16-RW□/□L4■01 AC16-RW□/□L4■02	AC16-CW□/□L4■ AC16-CW□/□L4■01 AC16-CW□/□L4■02	
15°	Without connector With right angle connector With straight connector	AC16-RY□/□L4■ AC16-RY□/□L4■01 AC16-RY□/□L4■02	AC16-CY□/□L4■ AC16-CY□/□L4■01 AC16-CY□/□L4■02	AC16-GY□/□L4■ AC16-GY□/□L4■01 AC16-GY□/□L4■02
360°/26 (13.85°)	Without connector With right angle connector With straight connector	AC16-RZ□/□L4■ AC16-RZ□/□L4■01 AC16-RZ□/□L4■02	AC16-CZ□/□L4■ AC16-CZ□/□L4■01 AC16-CZ□/□L4■02	AC16-GZ□/□L4■ AC16-GZ□/□L4■01 AC16-GZ□/□L4■02

Notes:
*1 Replace the □□ marks by the Start and End positions

Step angle	30°	360°/13	15°	360°/26
Start and End positions	0 to 11	0 to 12	0 to 23	0 to 25

*2 Replace the ■ mark by the connector
Blank: 8-terminal, without connector
A01: 8-terminal, with right angle connector
A02: 8-terminal, with straight connector
B00: 7-terminal, without connector
B01: 7-terminal, with right angle connector
B02: 7-terminal, with straight connector

● Adaptor mounting (32mm mounting pitch)

Angle of step	Connector	Type*1 *2 *3		
		Real binary code	Complementary binary code	Real gray code
30°	Without connector With right angle connector With straight connector	AC32-RX□/□( )■ AC32-RX□/□( )■01 AC32-RX□/□( )■02	AC32-CX□/□( )■ AC32-CX□/□( )■01 AC32-CX□/□( )■02	AC32-GX□/□( )■ AC32-GX□/□( )■01 AC32-GX□/□( )■02
360°/13 (27.69°)	Without connector With right angle connector With straight connector	AC32-RW□/□( )■ AC32-RW□/□( )■01 AC32-RW□/□( )■02	AC32-CW□/□( )■ AC32-CW□/□( )■01 AC32-CW□/□( )■02	
15°	Without connector With right angle connector With straight connector	AC32-RY□/□( )■ AC32-RY□/□( )■01 AC32-RY□/□( )■02	AC32-CY□/□( )■ AC32-CY□/□( )■01 AC32-CY□/□( )■02	AC32-GY□/□( )■ AC32-GY□/□( )■01 AC32-GY□/□( )■02
360°/26 (13.85°)	Without connector With right angle connector With straight connector	AC32-RZ□/□( )■ AC32-RZ□/□( )■01 AC32-RZ□/□( )■02	AC32-CZ□/□( )■ AC32-CZ□/□( )■01 AC32-CZ□/□( )■02	AC32-GZ□/□( )■ AC32-GZ□/□( )■01 AC32-GZ□/□( )■02

Notes:
*1 Replace the □□ marks by the Start and End positions

Step angle	30°	360°/13	15°	360°/26
Start and End positions	0 to 11	0 to 12	0 to 23	0 to 25

*2 Replace the ( ) mark by the shaft length
L1: 14.5mm   L2: 16.5mm   L3: 18.5mm   L4: 20.5mm

*3 Replace the ■ mark by the connector
Blank: 8-terminal, without connector
A01: 8-terminal, with right angle connector
A02: 8-terminal, with straight connector
B00: 7-terminal, without connector
B01: 7-terminal, with right angle connector
B02: 7-terminal, with straight connector

■ 24-position

R: Real binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	1		●		●		●		●		●		●		●		●		●		●		●		●
F	2			●	●			●	●			●	●			●	●			●	●			●	●
B	4					●	●	●	●					●	●	●	●					●	●	●	●
E	8									●	●	●	●	●	●	●	●								
C	16																	●	●	●	●	●	●	●	●
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D	C																								

C: Complementary binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	1	●		●		●		●		●		●		●		●		●		●		●		●	
F	2	●	●			●	●			●	●			●	●			●	●			●	●		
B	4	●	●	●	●					●	●	●	●					●	●	●	●				
E	8	●	●	●	●	●	●	●	●									●	●	●	●	●	●	●	●
C	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D	C																								

G: Real gray code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	a		●	●			●	●			●	●			●	●			●	●			●	●	
F	b			●	●	●	●					●	●	●	●					●	●	●	●		
B	c					●	●	●	●	●	●	●	●									●	●	●	●
E	d									●	●	●	●	●	●	●	●	●	●	●	●				
C	e																	●	●	●	●	●	●	●	●
G	P		●		●		●		●		●		●		●		●		●		●		●		●
D	C																								

■ 26-position

R: Real binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	1		●		●		●		●		●		●		●		●		●		●		●		●		●
F	2			●	●			●	●			●	●			●	●			●	●			●	●		
B	4					●	●	●	●					●	●	●	●					●	●	●	●		
E	8									●	●	●	●	●	●	●	●									●	●
C	16																	●	●	●	●	●	●	●	●	●	●
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D	C																										

C: Complementary binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	1	●		●		●		●		●		●		●		●		●		●		●		●		●	
F	2	●	●			●	●			●	●			●	●			●	●			●	●			●	●
B	4	●	●	●	●					●	●	●	●					●	●	●	●					●	●
E	8	●	●	●	●	●	●	●	●									●	●	●	●	●	●	●	●		
C	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D	C																										

G: Real gray code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	a		●	●			●	●			●	●			●	●			●	●			●	●			●
F	b			●	●	●	●					●	●	●	●					●	●	●	●				
B	c					●	●	●	●	●	●	●	●									●	●	●	●	●	●
E	d									●	●	●	●	●	●	●	●	●	●	●	●						
C	e																	●	●	●	●	●	●	●	●	●	●
G	P		●		●		●		●		●		●		●		●		●		●		●		●		●
D	C																										

■ 12-position

R: Real binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11
A	1		●		●		●		●		●		●
F	2			●	●			●	●			●	●
B	4					●	●	●	●				
E	8									●	●	●	●
C	P		●	●		●			●	●			●
G	INH	●	●	●	●	●	●	●	●	●	●	●	●
D	C												

C: Complementary binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11
A	1	●		●		●		●		●		●	
F	2	●	●			●	●			●	●		
B	4	●	●	●	●					●	●	●	●
E	8	●	●	●	●	●	●	●	●				
C	P		●	●		●			●	●			●
G	INH	●	●	●	●	●	●	●	●	●	●	●	●
D	C												

G: Real gray code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11
A	a		●	●			●	●			●	●	
F	b			●	●	●	●					●	●
B	c					●	●	●	●				
E	d									●	●	●	●
C	P		●		●		●		●		●		●
G													
D	C												

■ 13-position

R: Real binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12
A	1		●		●		●		●		●		●	
F	2			●	●			●	●			●	●	
B	4					●	●	●	●					●
E	8									●	●	●	●	●
C	P		●	●		●			●	●			●	
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●
D	C													

C: Complementary binary code

Terminal No.	Bit No.	0	1	2	3	4	5	6	7	8	9	10	11	12
A	1	●		●		●		●		●		●		●
F	2	●	●			●	●			●	●			●
B	4	●	●	●	●					●	●	●	●	
E	8	●	●	●	●	●	●	●	●					
C	P		●	●		●			●	●			●	
G	INH	●	●	●	●	●	●	●	●	●	●	●	●	●
D	C													

INH : Inhibit terminal
P : Parity check terminal
C : Common terminal
● : Turned ON

04

Rotary Switches
AC 09, 16 and 32

■ Accessories

Lead wire with connector (8-terminal)

AF91-675
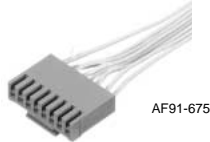
Length of lead wire (m)	Type	Mass (g)
0.5	**ACX011-805**	11
1.0 (Standard)	**ACX011-810**	19
2.0	**ACX011-820**	33

20.5
6   14   L

L: 0.5, 1.0, 2.0m

Lock ring

AF91-710

	Type	Mass (g)
Lock ring (inserted)	**ACX001**	2
Lock ring (sealed)	**ACX001A**	5

ACX001

ø16 ø9.1 4.7 1 1.2

ACX001A

ø28 ø9.1 ø10 8 1.9 1.5 1

■ Dimensions, mm

AC09

M9 P=0.75 ø6
Panel thickness Max. 4
25.5 8 *L

8-terminal

15.8 28 20 22
A B C D D E F G
2.54 17.78 22 30 31
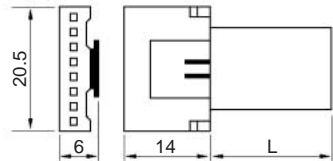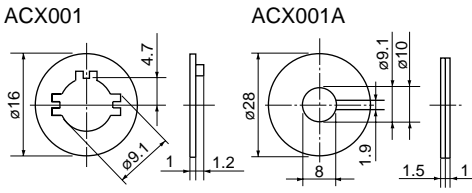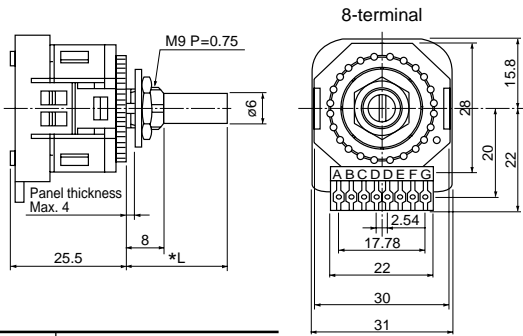
Shaft length *	L1	L2	L3	L4
	16	18	20	22
Mass (g)				
Without connector	41	42	43	44
With connector	42	43	44	45

Panel cutting

ø9.1 +0.3 −0
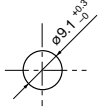
AC09 (with connector)

Panel thickness Max. 4
40 25.5 M9 P=0.75 ø6
30.5 23.4 8 *L
Straight connector   Right-angle connector 32

8-terminal

15.8 28 22 20
A B C D E F G
2.54 17.78 22 30 31

Panel cutting

ø9.1 +0.3 −0

In case of using lock ring (AC09-□/0007)

ø2.7 ø9.1 +0.3 −0

Panel thickness 1.2 to 3.2

AC16

M16 P=1 ø6 ø20
Panel thickness Max. 4
28 11 19.5

Mass: 47g

8-terminal

15.8 28 20 22
A B C D D E F G
2.54 17.78 22 30 31

Panel cutting

ø16.1 +0.3 −0

AC32

M9 P=0.75 ø6
Panel thickness Max. 4
27 6.4 *L

8-terminal

38 32
15.8 28 20 22
A B C D D E F G
M2.3×6
2.54 17.78 22 30 31
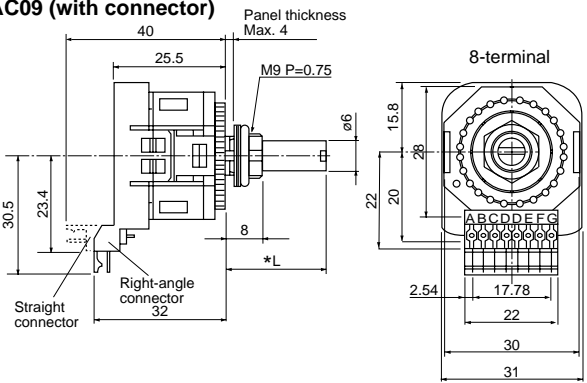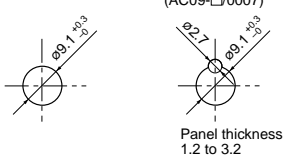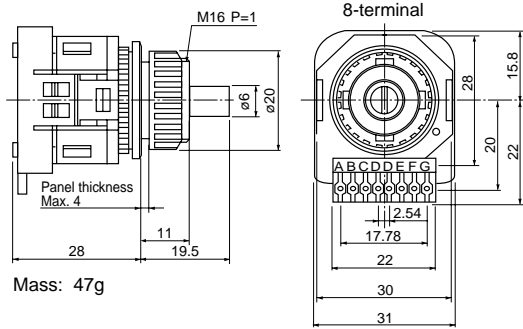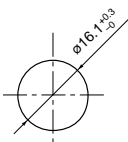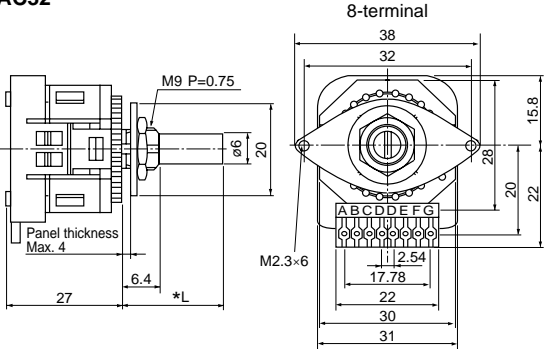
Shaft length *	L1	L2	L3	L4
	14.5	16.5	18.5	20.5
Mass (g)	47	48	49	50

Panel cutting

ø32±0.2 ø17
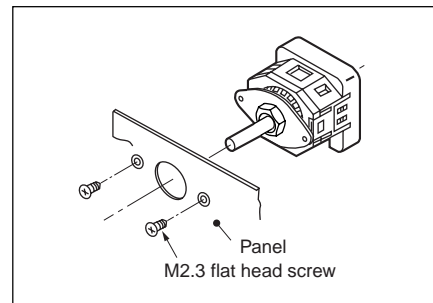M2.3 (for flat head screw)
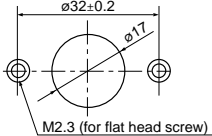
■ **Installation**
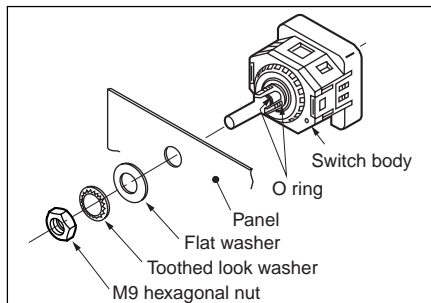
AC09

Pass the switch body through the hole from the back of the panel, and secure it by tightening the hexagonal nut with a flat washer and a toothed lock washer.
The recommended tightening torque for the hexagonal nut is 1.5 to 2N·m.
Insert the lock ring (ACX001) between the panel and the flat washer, and the adhesive lock ring (ACX001A) between the switch body and the panel.
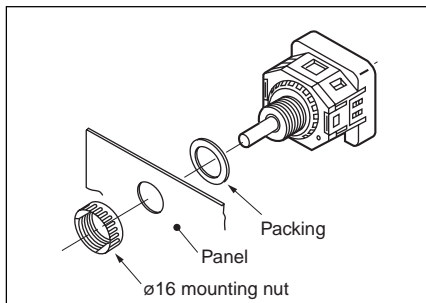
AC16

Pass the switch body with a bezel through the hole from the back of the panel, and secure it with a φ16 mounting nut. The recommended tightening torque for the nut is 0.6 to 1N·m.

AC32

Pass the switch body through the hole from the back of the panel, and secure it with two flat head screws from the face of the panel. The recommended tightening torque for the flat head screws is 0.3 to 0.5N·m.
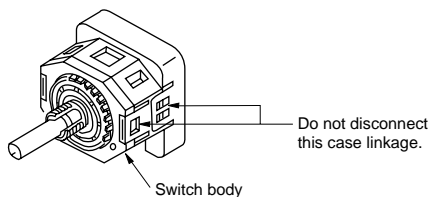
04

■ **Notes on use**

1. Connecting wires
Note the following points when soldering:
- The power of the soldering iron must not be over 30W.
- Use solder with resin flux core.
- Complete soldering within 5 seconds if using a 30W soldering iron, or within 10 seconds if using a 20W soldering iron.

**2. Note on the case linkage**

3. Number of stopper screws shipped
- AC09 and AC32
- Step angle: 30° (symbol X)
  Positions 0/11 (0 to 11): one screw. User-selectable start and stop positions: two screws (one for start position, one for end position).
- Step angle: 15° (symbol Y)
  Positions 0/22 (0 to 22): one screw. User-selectable start and stop positions: two screws (one for start position, one for end position).
- Step angle: 360°/26 (symbol Z)
  Positions 0/24 (0 to 24): one screw. User-selectable start and stop positions: two screws (one for start position, one for end position).
- AC16
  Customers can specify the stopper screw positions. The switch is then shipped with stopper screws already in the specified positions.

4. Stopper screw positions
Insert stopper screws into the switch body holes marked with letters, as shown in the insertion example on the right. These tables below show that the start position stopper screw is inserted in the hole on the left of the position setting and the end positions stopper screw is inserted in the hole on the right.

If step angle X (30°) or Y (15°) is specified.

If step angle W (360°/13) or Z (360°/26) is specified.
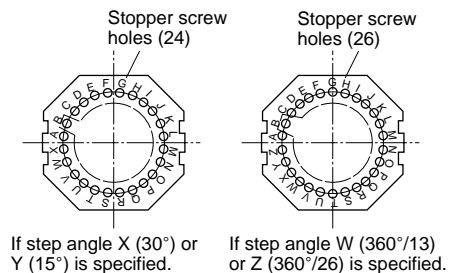
5. Installing a stopper screw
The maximum tightening torque for a stopper screw is 0.1N·m. Screw the stopper screw into position until it hits the body frame rib. Do not overtighten the screw.
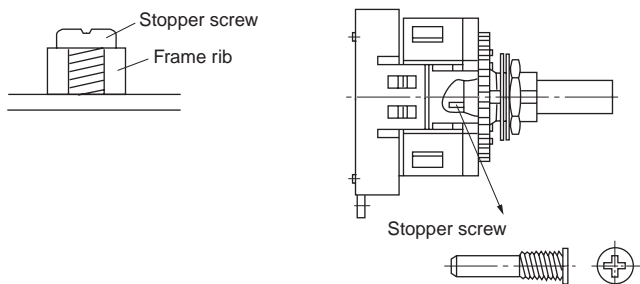
Rotary Switches
AC 09, 16 and 32

Insertion example 1

AC09-C □ 0/7L1 □

① **Step angle**
X: 30°, W: 360°/13,
Y: 15°, Z: 360°/26

② **Start position setting: 0**

③ **End position setting: 7**

④ **With a stopper screw**
Blank: With stopper screw
E: No stopper screw

• If symbol ① (step angle) is X-----type AC09-CX0/7L1:
Insert the start side stopper screw in hole A and the end side screw in hole Q.
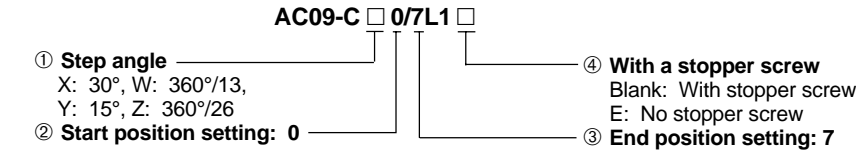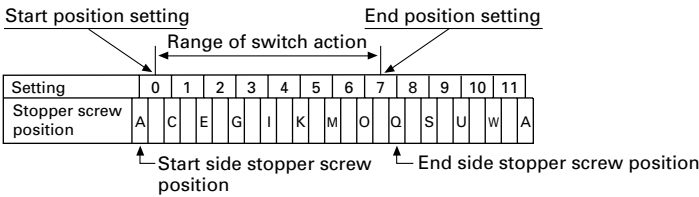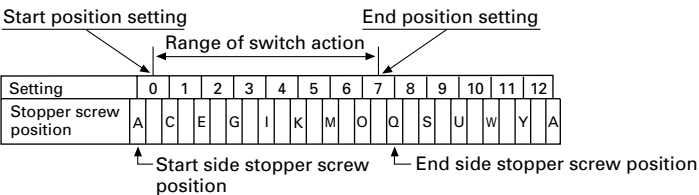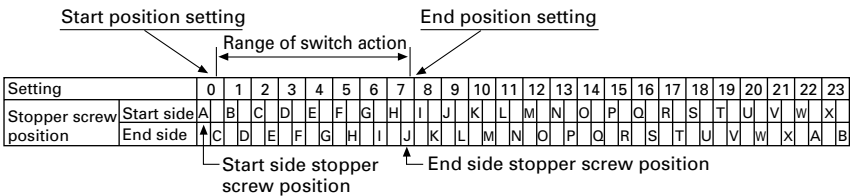
Start position setting → | End position setting

Range of switch action

Setting	0	1	2	3	4	5	6	7	8	9	10	11
Stopper screw position	A	C	E	G	I	K	M	O	Q	S	U	W	A

Start side stopper screw position — End side stopper screw position

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• If symbol ① (step angle) is W-----type AC09-CW0/7L1:
Insert the start side stopper screw in hole A and the end side screw in hole Q.

Start position setting | End position setting

Range of switch action

Setting	0	1	2	3	4	5	6	7	8	9	10	11	12
Stopper screw position	A	C	E	G	I	K	M	O	Q	S	U	W	Y	A

Start side stopper screw position — End side stopper screw position

---

• If symbol ① (step angle) is Y-----type AC09-CY0/7L1:
Insert the start side stopper screw in hole A and the end side screw in hole J.

Start position setting | End position setting

Range of switch action

Setting		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Stopper screw position	Start side	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
	End side	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	A	B

Start side stopper screw position — End side stopper screw position

Notes: 1. If the range of action is designated as 0/22 (0 to 22), insert a stopper screw into hole A only.
2. If the range of action is designated as 0/23 (0 to 23), no stopper screws are inserted (symbol ④ is E).

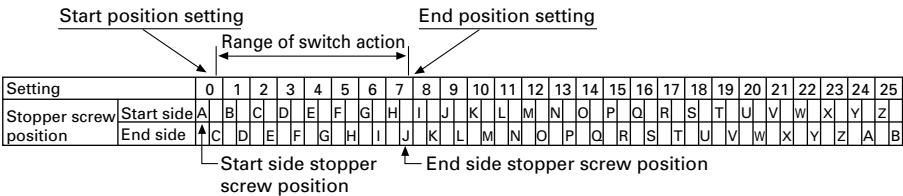### • If symbol ① (step angle) is Z-----type AC09-CZ0/7L1:
Insert the start side stopper screw in hole A and the end side screw in hole J.

Start position setting | End position setting

Range of switch action

Setting		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Stopper screw position	Start side	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	End side	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B

Start side stopper screw position — End side stopper screw position

Notes: 1. If the range of action is designated as 0/24 (0 to 24), insert a stopper screw in hole A only.
2. If the range of action is designated as 0/25 (0 to 25), no stopper screws are inserted (symbol ④ is E).

Insertion example 2

AC09-RX2/11

Step angle
Start position setting

End position setting

Start position setting | End position setting

Range of switch action

Setting	0	1	2	3	4	5	6	7	8	9	10	11
Stopper screw position	A	C	E	G	I	K	M	O	Q	S	U	W	A

Start side stopper screw position — End side stopper screw position