Digital code output type

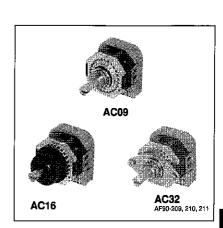
■ Description

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.
- 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.



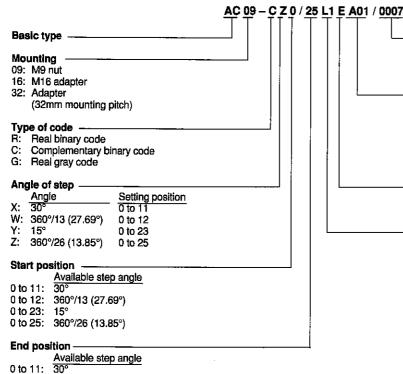
■ Ratings

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		60V -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	500M Ω or more 5,000M Ω or more	
Degree of protection (operator section)		IP65 (IEC)	

■ Type number nomenclature



With or without lock ring Blank: Without lock ring

With lock ring 0007: 0009: With adhesive lock ring

With or without connector

Blank: 8-terminal, without connector A01: 8-terminal, with right-angle connector A02: 8-termianl, 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

Without stopper screw

Length of shaft (mm)

	7000	AVIU	7002
L1:	16	—	14.5
L2:	18	_	16.5
L3:	20	_	18.5
L4:	22	19.5	20.5

0 to 11:

0 to 12: 360°/13 (27.69°)

0 to 23:

0 to 25: 360°/26 (13.85°)

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.