



Feature

1. Compact and highly accurate sliding contact type switch
2. With self-return rotary switch

F11ER Series Rotary Encoder

Electrical characteristics

- Rated Power.....DC5V, 10mA
- Contact Resistance.....100 M Ω Max. at 5V DC, 1 mA.
- Insulation Resistance.....More than 100M Ω at DC250V
- Withstand Voltage.....300V AC, 1mA for 1min.

Mechanical characteristics

- Total Rotation Angle.....80° \pm 5°(each angle 40°)
- Rotational Torque.....35~300gf.cm
- Rotation Stopper Strength.....4.0kgf.cm Min
- Push-pull Strength of Shaft.....10Kgf Min. for 10 Sec.
- Shaft Play in Axial Direction.....0.4mm Max.

Endurance characteristics

- Rotational Life.....30,000 cycles Min
- Operating Temperature.....-40°C ~ +85°C
- Dry Heat.....85 \pm 3°C for 240 \pm 10hr.
- Cold.....-40 \pm 3°C for 240 \pm 10hr.
- Damp Heat.....40 \pm 2°C ,90~95% RH,240 \pm 10hr.
- Resistance to Soldering Heat.....Dip soldering: preheat within 100°C for 2Min.,
Soldering Temp: is260 \pm 5°C for 5 sec.
Manual soldering: 350 \pm 5°C for 3 sec.
- Operating Temperature Range.....-10°C ~ +70°C

Note 1: Shaft Type & Shaft Length:

F-Type

Bushing Length H =5		Bushing Length H =7	
Code	1	Code	1
L	12	L	20
F	6	F	12

