

CFA-1100 Series

PROFADER™

Non-contact

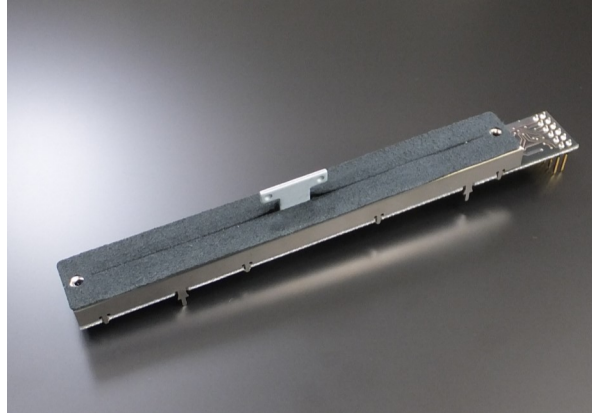
Long-term stability

Digital output

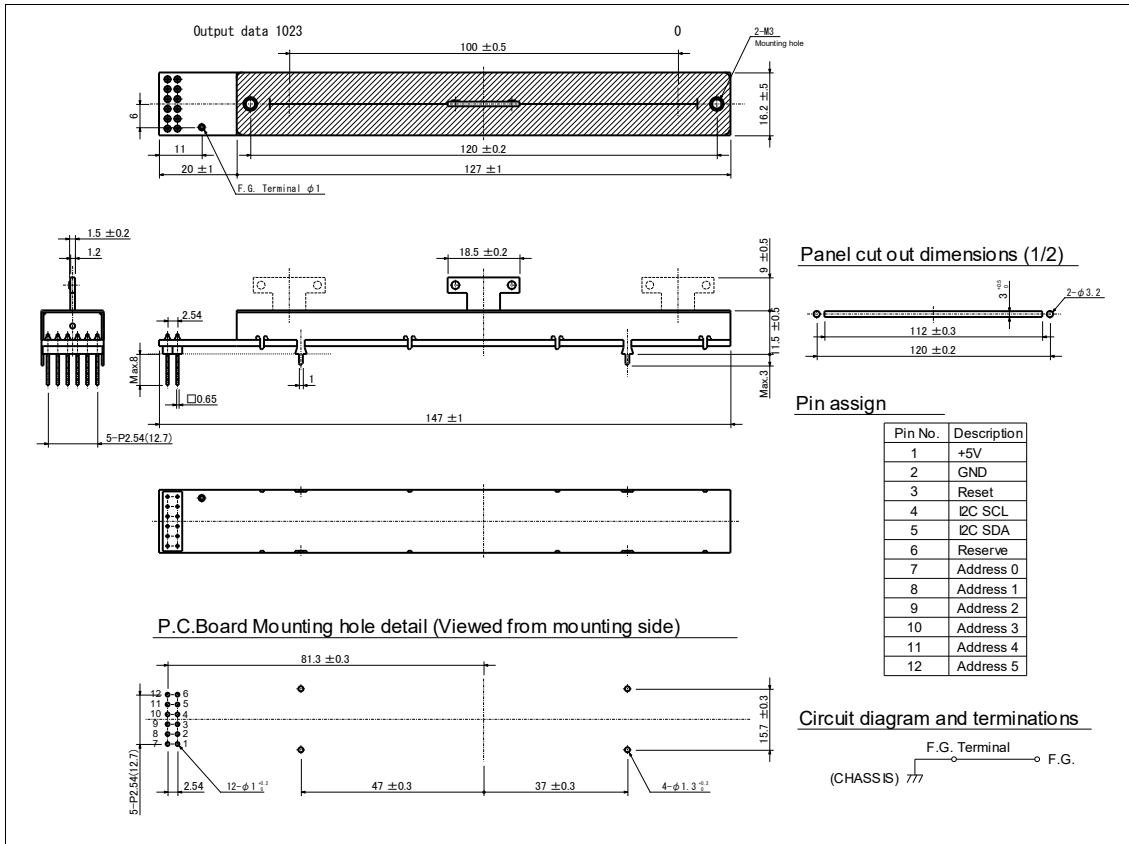
Facilitated in handling

High accuracy

Realized 10bit in 100mm stroke



Dimensions



Model number

CFA-110

Product type
CFA-1100: 100mm

1

Torque
0: Normal torque
1: High torque *

- A

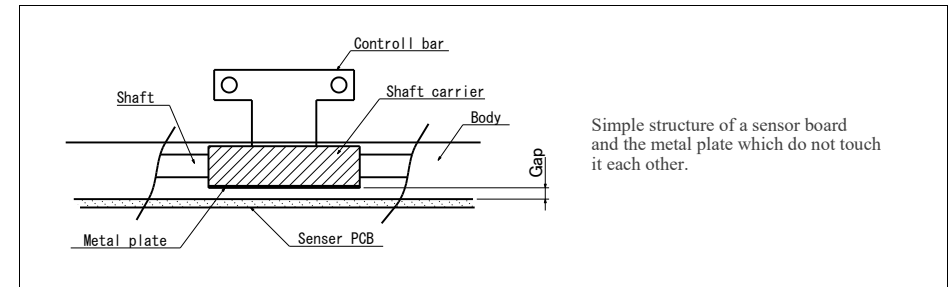
Output
Blank: Incremental
A: Absolute

D

With Dust cover

* Only high torque type with CP-2 is applicable for the vertical use.

Structure



Electrical specifications

	CFA-110x	CFA-110x-A
Sensor system	Electrostatic capacitance type sensor	
Output value	Incremental type	Absolute type
Communication system	I ² C Slave	
Operating voltage	5V: ±0.25V	
Max. operating current	4mA Max.	
Resolution	10bit (0~1023)	
Output Law	1bit = 100mm/1024 (Linear)	
Bit error	±2bit	
Voltage proof	1 Min. at AC100V	
Insulation resistance	50Mohm or more at DC100V	

Mechanical specifications

	CFA-1100	CFA-1101
Stroke length	100mm±0.5mm	
Operating force	0~0.1N	0.1~0.3N
Strength of Nut-Attached	100Ncm	
Attached Parts	M3 screw (Length: Panel thickness + 3~4mm)	
Stopper strength	30N	
Push-pull strength	30N	

General specifications

	CFA-1100 Series
Temp.range	-10 to +70 deg C (Operating), -15 to +75 deg C (Storage)
Relative humidity	90%RH (No condensation)

Note

- * Non-waterproof.
- * Solder heat resistance: 350deg C max, 5sec max, 2 times. (Manual soldering only)
- * Do not give severe shocks.
- * Move to one end in Control-bar on the occasion of knob wearing, and can break into it slowly.

