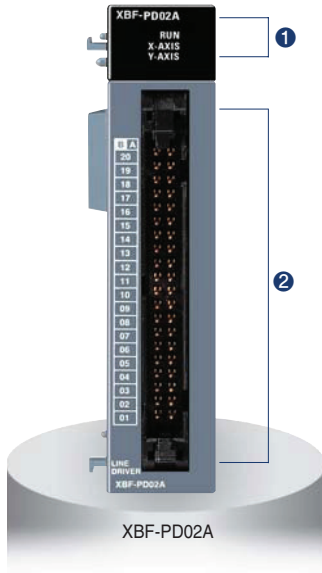


Specification

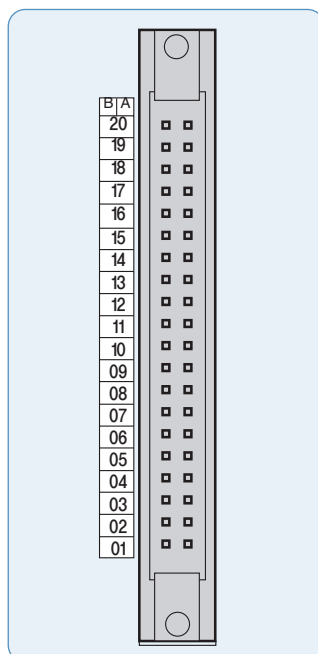


Item		XBF-PD02A
NO. of control axis		2 axis
Pulse output type		Line drive
Max. pulse output		2Mpps
Max. connection length		10m
Control mode		Position control, Speed control, Speed / Position switching control, Position / Speed switching control
Interpolation		linear interpolation, Circular interpolation
Positioning data		150 operation data for each axis
Configuration tool		Built-in function parameter of XG5000
Back-up		Flash memory
Positioning	Positioning method	Absolute / incremental method
	Unit	pulse
	Positioning range	- 2,147,483,648 ~ 2,147,483,648
	Speed range	1 ~ 2,000,000 (pulse/Δ)
	Acceleration/Deceleration type	Trapezoidal acceleration / deceleration
Acceleration/Deceleration time		0 ~ 65,535ms, Asymmetric acceleration / deceleration
Max. encoder input		200kpps(Line drive)
Error/Operation		LED
Occupied/O points (XBC)		Fixed type: 64points
Connection terminal		40pin connector
Current consumption		500mA

Names and Functions

No.	Name	Descriptions
1	RUN LED	1. RUN ▶ Displays the hardware operation status <ul style="list-style-type: none"> • On: Normal status • Off: Abnormal status 2. X_AXIS, Y_AXIS <ul style="list-style-type: none"> • On: Operation • Flickering: Error
2	Terminal block	▶ Terminals to connect the MPG, external device and drive device.

Terminal



Pin number		Signal name	
X axis	Y axis		
	B20	MPG A+	MPG/Encoder A+ input
	A20	MPG A-	MPG/Encoder A- input
	B19	MPG B+	MPG/Encoder B+ input
	A19	MPG B-	MPG/Encoder B- input
A18	B18	FP+	Forward pulse+
A17	B17	FP-	Forward pulse-
A16	B16	RP+	Reverse pulse+
A15	B15	RP-	Reverse pulse-
A14	B14	OV+	High limit
A13	B13	OV-	Low limit
A12	B12	DOG	Near point
A11	B11	NC	-
A10	B10		
A09	B09	COM	Common
A08	B08	NC	-
A07	B07	INP	Inposition signal
A06	B06	INP COM	Inposition signal common
A05	B05	CLR	Deviation counter clear signal
A04	B04	CLR COM	Deviation counter clear signal common
A03	B03	HOME +5V	Zero signal (DC5V)
A02	B02	HOME COM	Zero signal Common
A01	B01	NC	-