IB-E03B

2 Zone Controller- 10 pin connector

Applicable Models: PM486FE, PM486FS, PM486FP, PM570FE, PM605FE, PM635FS

PNP output - IB-E03BP; NPN output - IB-E03BN
Must specify when ordering

Operation
- Continuous or intermittent duty
- Minimum cycle: 1s ON; 1s OFF
- Do not exceed 150% of no-load speed

Protection
- Thermal overload 185°F (85°C) on PCB
- 7 A fuse for each motor
- Diode for protection from incorrect wiring

Environment
- Ambient temperature -4~104°F (-20~40°C)
- < 90% relative humidity (no condensation)
- No corrosive gases
- Vibration < 1.0G

Features
- Controls up to 2 Power Mollers™ (brake and non brake models)*
- Direct connection for 2 photo-sensors that power and receive the output signal
- I/O device with 3 discrete inputs and 5 discrete outputs
- Operates using local logic or upper level PLC control logic
- Built-in Device Level Ring (DLR) technology maintains continuous communication
- Life cycle monitoring feature displays remaining useful motor life
- 2 port Ethernet switch simplifies network design
- LED status / error indicators
- Motor pulse counting through local logic
- EtherNet/IP Conformance Tested
- UL and cUL recognized component
- Rockwell Automation AOP (Add-On Profile) available for seamless integration
- Wire side connectors are available from various sources. They are not provided as standard.
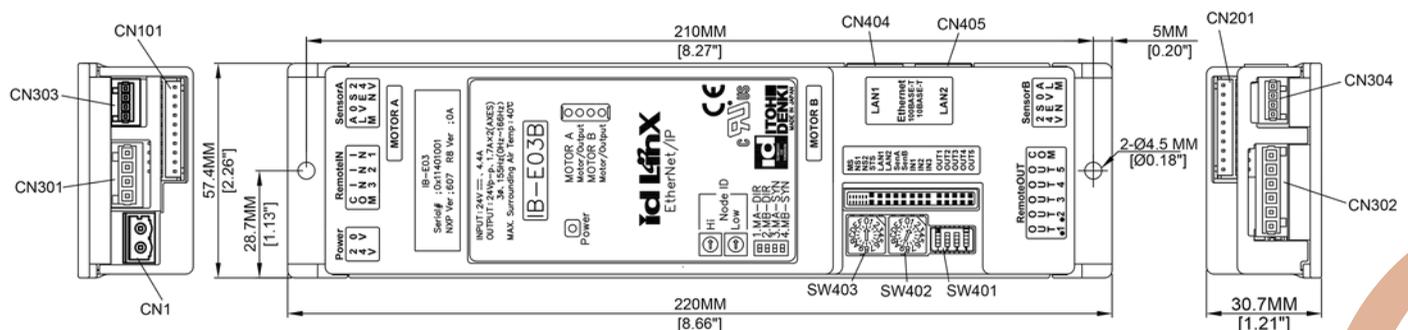
*IB-E Basic Connector Kit required for functionality of IB-E03B driver card.
IB-E I/O Connector Kit optional for I/O connectivity. Kits sold separately*

IB-E Basic Connector Kit (Required)		
Description	WAGO	Qty. Required
Power	231-302 / 026-000	1
Photo Eye Sensor	733-104	2
WAGO Tool	733-191	1
WAGO Tool	231-231	1

IB-E I/O Connector Kit (Optional)		
Description	WAGO	Qty. Required
External Input	734-204	1
Signal Output	734-206	1
WAGO Tool	734-231	1

IB-E04F

2 Zone Controller- 12 pin connector

Applicable Models: PM486FH, PM570KT, PM635KT

PNP output - IB-E04FP; NPN output - IB-E04FN
Must specify when ordering

Operation

- Continuous or intermittent duty
- Minimum cycle: 1s ON; 1s OFF
- Do not exceed 150% of no-load speed

Protection

- Thermal overload 185°F (85°C) on PCB
- 10 A fuse for each motor
- Diode for protection from incorrect wiring

Environment

- Ambient temperature -4~104°F (-20~40°C)
- < 90% relative humidity (no condensation)
- No corrosive gases
- Vibration < 1.0G

Features

- Controls up to 2 Power Mollers™
- Direct connection for 2 photo-sensors that power and receive the output signal
- I/O device with 3 discrete inputs and 5 discrete outputs
- Operates using local logic or upper level PLC control logic
- Built-in Device Level Ring (DLR) technology maintains continuous communication
- Life cycle monitoring feature displays remaining useful motor life
- 2 port Ethernet switch simplifies network design
- LED status / error indicators
- Motor pulse counting through local logic
- EtherNet/IP Conformance Tested
- UL and cUL recognized component
- Rockwell Automation AOP (Add-On Profile) available for seamless integration
- Wire side connectors are available from various sources. They are not provided as standard.
- Corrosion resistant, high temperature option available: IB-E04F-CR-HT.1*
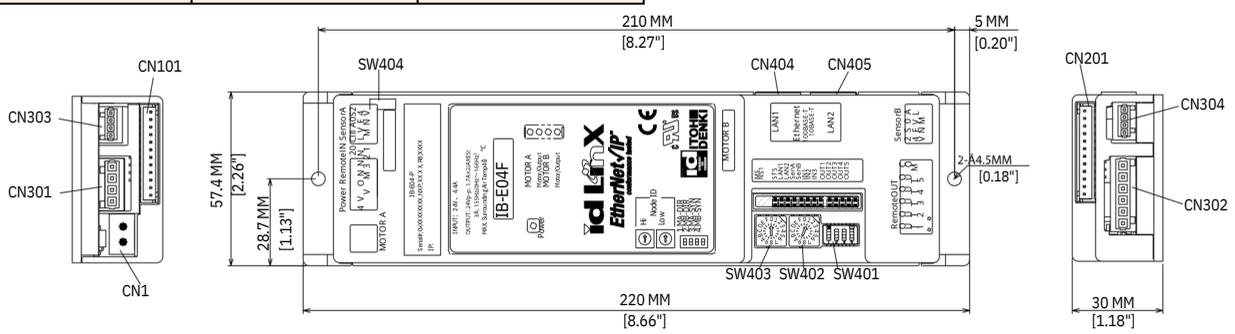 *The IB-E04F-CR-HT.1 has a different footprint than the IB-E04F

*IB-E Basic Connector Kit required for functionality of IB-E04F driver card
IB-E I/O Connector Kit optional for I/O connectivity. Kits sold separately*

IB-E Basic Connector Kit (Required)		
Description	WAGO	Qty. Required
Power	231-302 / 026-000	1
Photo Eye Sensor	733-104	2
WAGO Tool	733-191	1
WAGO Tool	231-231	1

IB-E I/O Connector Kit (Optional)		
Description	WAGO	Qty. Required
External Input	734-204	1
Signal Output	734-206	1
WAGO Tool	734-231	1

IB-E CONNECTOR KITS

Applicable Models: IB-E03B, IB-E04F, IB-E04F-CR-HT.1

IB-E Basic connector kit (required); IB-E I/O connector kit (optional)

• The basic connector kit is needed for the IB-E cards to function.

	Description	WAGO Part #	Qty. Needed	Image
IB-E Basic Kit	Power	231-302 / 026-000	1	
	Photo Eye	733-104	2	
	WAGO Tool (733)	733-191	1*	
	WAGO Tool (231)	231-231	1*	

Wago tools are not provided per kit number ordered but additional tools are available for purchase

◯ Indicates IB-E Basic Kit WAGO connectors on drawing

	Description	WAGO Part #	Qty. Needed	Image
IB-E I/O Kit	External Input	734-204	1	
	Signal Output	734-206	1	
	WAGO Tool (734)	734-231	1*	

Wago tools are not provided per kit number ordered but additional tools are available for purchase

◯ Indicates IB-E I/O Kit WAGO connectors on drawing

Photo Eye Sensor

Sensor/Photo Eye

CN101

CN303

CN301

CN1

SW404

210 MM [8.27"]

CN404   CN405

5 MM [0.20"]

57.4 MM [2.26"]

28.7 MM [1.13"]

LAN1 Ethernet 100BASE-T LAN2

SensorB

2-Ø4.5MM [0.18"]

CN201

CN304

CN302

30 MM [1.18"]

SW403 SW402   SW401

220 MM [8.66"]

Power

Signal Output

External Input