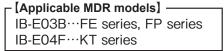


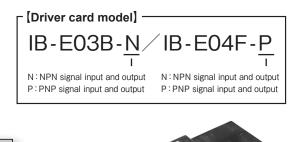
id Linx

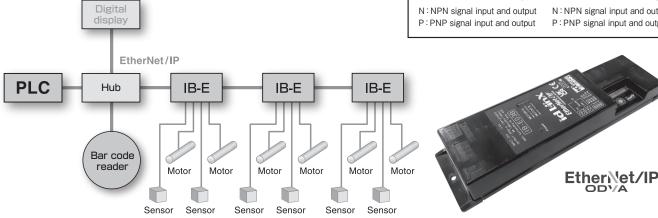
IB-E03B/04F



EtherNet/IP based high speed communication

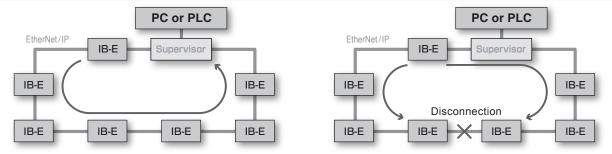






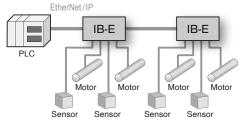
EtherNet/IP is the same Ethernet used in your front office combined with a common protocol that provides robust, real time networking for motion, drive, safety, process and high speed discrete control. It is an implementation of the Common Industrial Protocol (CIP). Custom programmable ladder logic is available for fine tuning your specific application. With direct connectivity over Ethernet, simple, seamless and high speed network communication system can be built from sensor signal through information data.

Device Level Ring (DLR) though Supervisor



 Device Level Ring (DLR) provides fault-tolerant network design for both daisy chain and linear topology. This ensures continued network communication.

Simplified wiring





- IB-E has photo sensor wiring ports allowing seamless connections of signals and information.
- IB-E controls two MDR units, and simple LAN cable wiring connects multiple IB-E03B units.

ICE – Itoh Configurator for EtherNet/IP Dedicated PC application software for setting parameters

- Enables autonomous distributed control through local logic setting, allowing the control to make local decision without waiting for high layer command.
- Various monitor functions (MDR failure diagnosis)



Parameter setting

Ladder logic setting

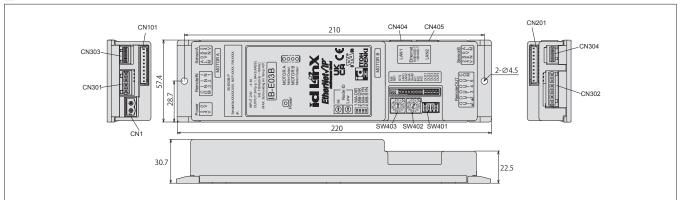
MDR current draw





IB-E03B/04F

■ Dimensions



■ Controller specifications

		IB-E03B	IB-E04F
Motor power	Nominal voltage	24V DC	24V DC
	Static current	0.15A	0.15A
	Peak current	20A≦1msec	20A≦1msec
	Starting current	4.0A	7.0A
Control power	Nominal voltage	24V DC	24V DC
	Current	0.05A	0.05A
LED indication		Power Mot A/B (Motor/Output) STS (Motor status) SEN A/B (Sensor status) Remote IN/OUT LAN 1/2 (Communication) Error	
Thermal overload protections	d driver card	95℃	95℃
	motor	105℃	105℃

Brake selection		Electric (dynamic) brake Servo lock brake			
Power		Controller side	231-532/001-000	231-562/001-000	
conn	ector	Wiring side	231-302/026-000		
Sensor connector		Controller side	WAGO 733-364		
		Wiring side	WAGO 733-104		
Control		Controller side	734-264 (External input) ,734-266 (Signal output)		
conne	ector	Wiring side	734-204 (Signal output) ,734-206 (External in		
Communication		Controller side	TMR 11R-5M2-88 (Hirose)		
conne	ector	Wiring side	RJ45 (Hirose)	RJ45 (Hirose)	
Ambient ten		mperature	0 to 40°C		
Environmental conditions	Humidity		≤ 90%Relative Humidity (no condensation)		
	Atmosphere		No corrosive gases		
E S	Vibration		≦ 1.0G		

■ Communication specifications

ODVA conformance test	CT11	
Protocol	EtherNet (IEEE 802.3)	
Transmission media	Standard EtherNet cable (CAT 5 or over) 100BASE-TX	
Communication speed	10Mbps/100Mbps (automatic negotiation)	
Transmission form	Full duplex/half duplex (Auto negotiation)	

■ Standard accessories

●Cross-recessed head screws: M4 x 15

Hexagonal nut: M4

■ Options

Part number	Manufacturer
231-302 / 026-000	WAGO
RJ 45	Hirose
733-104	WAGO
734-204 (External input)	WAGO
734-206 (Signal output)	WAGO
	231-302 / 026-000 RJ 45 733-104 734-204 (External input)

Applicable model

IB-E03B···FE series

FP series

MDR motor cable should be 10pin connector type in case of using with IB-E03 driver card.

IB-E04F···KT series

Both IB-E04 driver card and KT series roller are equipped 12pin motor connector as a standard.

The roller built-in brake is not applicable.