

FAS ELECTRONICS 00BH11 Digital Input-Output Pin User Manual

[Home](#) » [FAS ELECTRONICS](#) » FAS ELECTRONICS 00BH11 Digital Input-Output Pin User Manual 

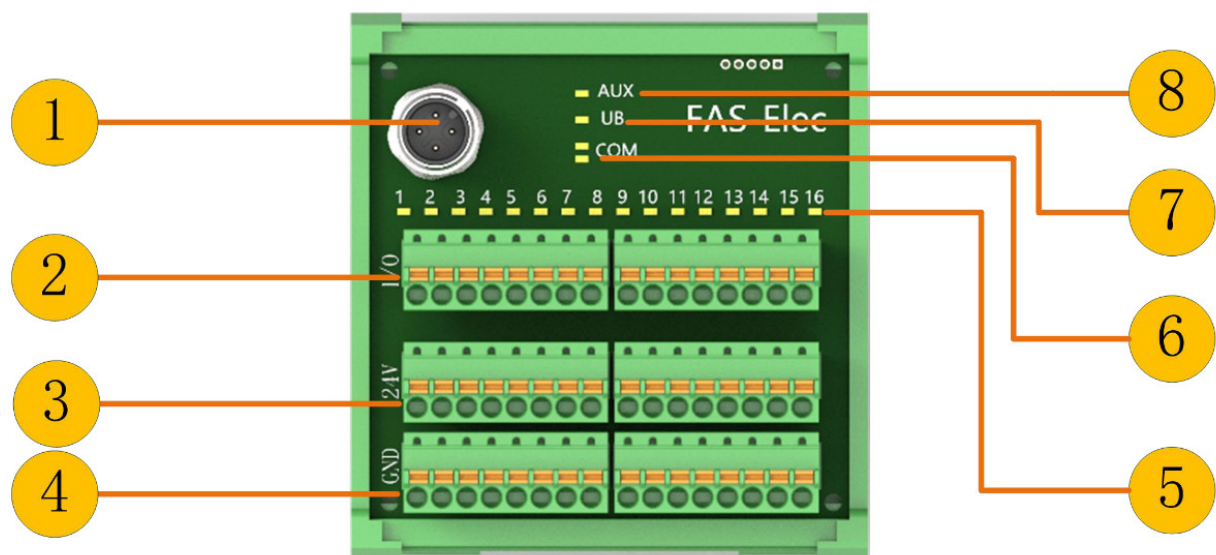


Fuyansheng Electronics (Fujian) Co. LTD
FNI_IOL_310-S01-K024 00BH11
User Manual

Contents

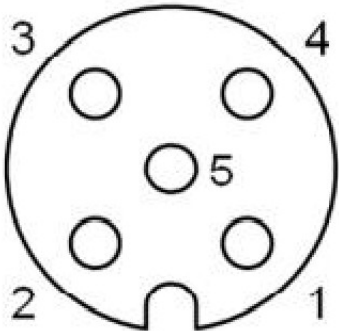
- [1 Connection diagram](#)
- [2 IO-Link Interface definition](#)
- [3 IO-Link Data](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)
- [5 Related Posts](#)

Connection diagram



1. IO-Link Interface
2. I/O connecting terminal
3. Sensor supply 24V connecting terminal
4. Sensor supply GND connecting terminal
5. Indicator light:Input/Output
6. Indicator light:IO-Link communication
7. Indicator light:Sensor supply
8. Indicator light:Actuator supply

IO-Link Interface definition

IO-Link(Class A)	Pin	Description	Wire Color
	1	Sensor supply	Brown
	2	Actuator supply	White
	3	GND	Blue
	4	C/Q IO-Link	Black
	5	Not connected	—

IO-Link Data

3.1 Parameter

Baud rate	COM2 (38.4kbit/s)
Cycle time(Minimum)	3ms
Process data Cycle time	3ms
Process data length	2 Byte Input, 2 Byte Output

3.2 Process data

Digital I/O Pin	Input Data	Output Data
1	ByteO Bit0	ByteO Bit()
2	ByteO Bit1	ByteO Bit1
3	ByteO Bit2	ByteO Bit2
4	ByteO Bit3	ByteO Bit3
5	ByteO Bit4	ByteO Bit4
6	ByteO Bit5	ByteO Bit5
7	ByteO Bit6	ByteO Bit6
8	ByteO Bit7	ByteO Bit7
9	ByteI Bit0	ByteI Bit0
10	ByteI Bit1	ByteI Bit1
11	ByteI Bit2	ByteI Bit2
12	ByteI Bit3	ByteI Bit3
13	ByteI Bit4	ByteI Bit4
14	ByteI Bit5	ByteI Bit5
15	ByteI Bit6	ByteI Bit6
16	ByteI Bit7	ByteI Bit7

3.3 Identification/Parameter data

	SPDU		Object name	length	Range	Default value
	Index	Sub Index				
	/	/	Supplier ID	2	/	0x0454
	/	/	Device ID	3	/	0x099CE2
Identification data	0x10	0	Supplier Name	19	Read only	FAS(Fujian)Co.,LTD
	0x11	0	Supplier Text	16		www.fas-elec.com
	0x12	0	Product name	13		FNI 10L-310-S01-K024
	0x13	0	Product ID	5		OOBH11
	0x14	0	Product Text	44		IO-Link DI/DO
	0x16	0	Hardware Version	3		20211105
	0x17	0	Firmware Version	3		2.01
Parameter data	0x40	0	Bit inversion	2	0x0000 ~ 0xFFFF	0x0000
	0x41	0	Input/Output Setting	2	0x0000 ~ 0xFFFF	0x0000

Note

1. 0x40 Bit inversion : bit=0 not reverse, bit=1 reverse.

For example:

The external input is 0x0000. When 0x40 is 0x0000, the value is 0x0000 (not reverse), and when 0x40 is 0xFFFF, the value is 0xFFFF (reverse).

2. 0x41 Input/Output Setting: bit=0 input, bit=1 output.

3.4 Error code

Device application error code 0x80:

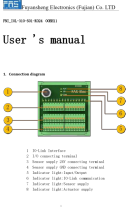
Additional code:
0x11 index not available
0x12 sub index not available
0x30 Value Out of range

3.5 Event

Class/Qualifier			Code(High Bit + Low Bit)			
Pattern	Type	Instance				
Appear	Error	AL	Hardware	Power supply	Low voltage	U2=power supply
OxCO	0x30	0x03	0x5000	Ox0100	Ox0010	0x0002
OxF3			0x5112			
Disappear	Error	AL	Hardware	Power supply	Low voltage	U2=power supply
0x80	0x30	0x03	0x5000	Ox0100	Ox0010	0x0002
OxB3			0x5112			
Appear	Error	AL	Hardware	Power supply	Peripheral power supply	
OxCO	0x30	0x03	0x5000	Ox0100	0x0060	
OxF3			0x5160			
Disappear	Error	AL	Hardware	Power supply	Peripheral power supply	
0x80	0x30	0x03	0x5000	Ox0100	0x0060	
OxB3			0x5160			



Documents / Resources

	FAS ELECTRONICS 00BH11 Digital Input-Output Pin [pdf] User Manual 00BH11 Digital Input-Output Pin, 00BH11, Digital Input-Output Pin, Input-Output Pin, Output Pin, Pin
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References

-  [\[Link\]](#)