EtherCat

GDHF681N4EC01A



Wuhan Guide Technology Co.,Ltd.

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PPO 18

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LED 27

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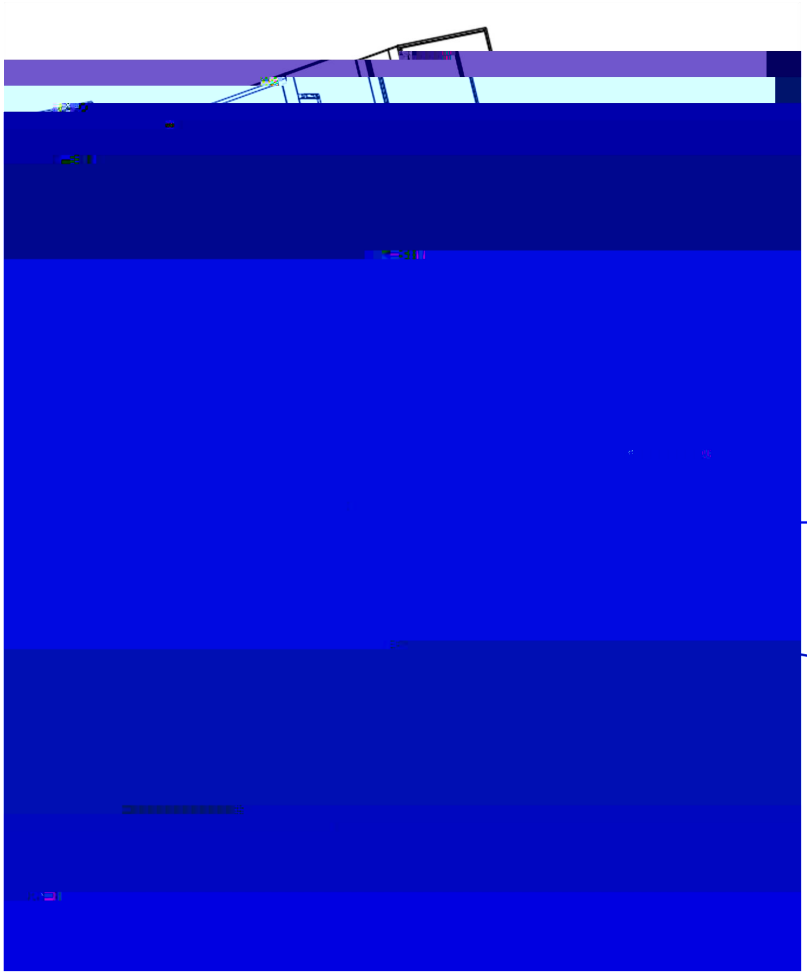
通讯扩展卡
扩展槽

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EtherCat

GDHF681N4EC01A RJ45-1

RJ45-2

RJ45-1	A
RJ45-2	B

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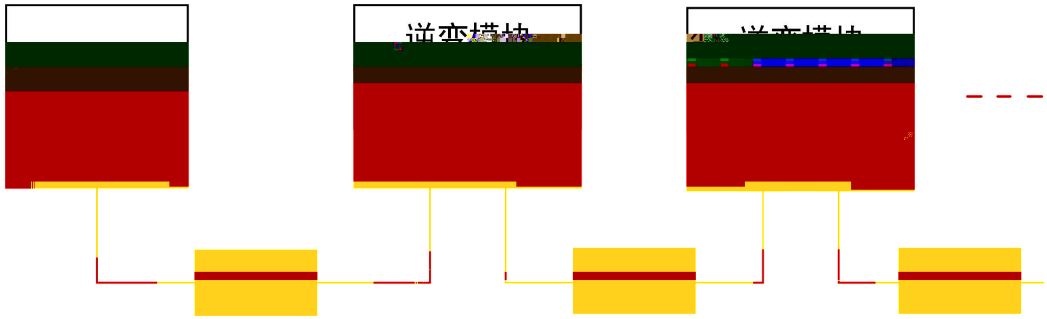

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(ESI)

www.gdetec.com ESI

GSDML- -GUIDE-ET.XML

EtherCat

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EtherCat

P33.0		[0] [1]	0 1	0
P33.2		[0]PP01 [1]PP02 [2]PP05	0 2	1
P33.5		[0] [1] [2] [3]	0 3	0
P33.6		ms	0 1000	50
P33.7		[0] [1]	0 1	1
P33.8		s	0.0 10.0	3.0
P33.9	[WO]		0 1000	0
P33.10	[WO]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000	0 4	0
…	…	…	…	…
P33.45	[WO]		0 1000	0

P33.46	[WO]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0 4	0
…	…	…	…	…

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[0] EtherCat

[1] EtherCat

EtherCat

PPO Parameter/Process Data Objects, /

EtherCat PPO

2 PPO

PPP05

HF681N

PLC

HF681N

PLC

EtherCat GDHF681N4EC01A

100Mb/s

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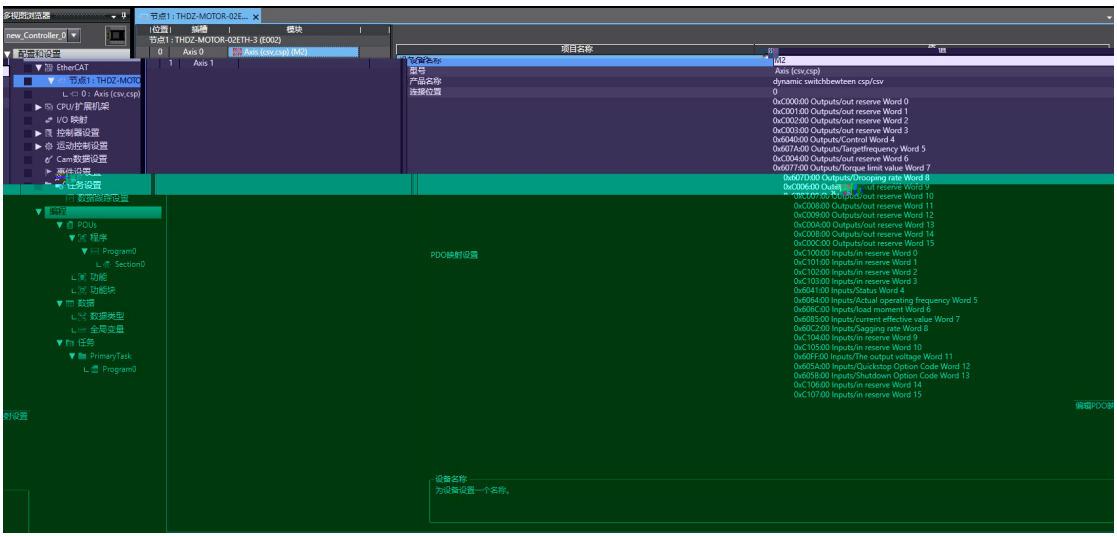

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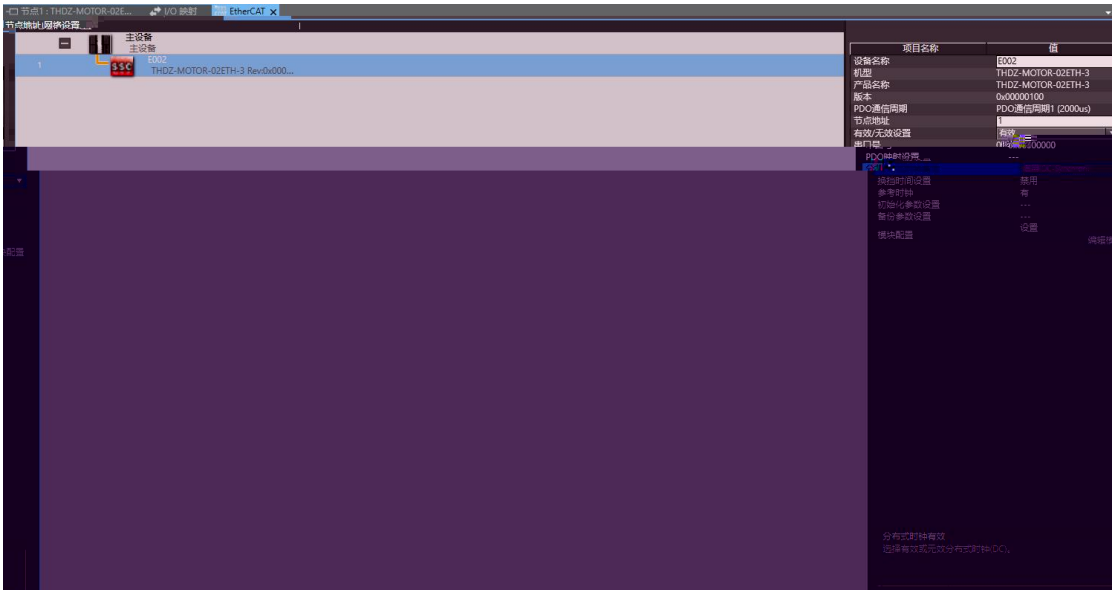

节点1 : THDZ-MOTOR-02E...
I/O 映射
EtherCAT
节点地址|网络设置...
主设备
主设备
E002
THDZ-MOTOR-02ETH-3 Rev:0x000...
项目名称
值
设备名称
E002
机型
THDZ-MOTOR-02ETH-3
产品名称
THDZ-MOTOR-02ETH-3
版本
0x00000100
PDO通信周期
PDO通信周期1 (2000us)
节点地址
1
有效/无效设置
有效
PDO映射设置...
接控时间设置
禁用
参考时钟
有
初始化参数设置
备份参数设置
设置
模块配置
分布式时钟有效
选择有效或无效分布式时钟(DC)。

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EtherCat GDHF681N4EC01A

EtherCat EtherCat

PPO Parameter/Process Data Objects

/ PPO

PPO

	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
PPO1	W0	W1	W2	W3	W4	W5										
PPO2	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9						
PPO5	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13		

PLC

W0	PA_CTRL	bit		
		0	PA_ENABLE	‘0’ ‘1’
		1	WRITE	‘0’ ‘1’
		2	SAVE_to_FLASH	‘0’ ‘1’ FLASH
		3 ~ 15	Reserved	
W1	Address	byte	[15..08]	[07..00]
		Data		
W2	0	0		
W3	Data	16		

PLC

		bit		
		0	Reserved	
		1	Reserved	
	PA_STATUS	2	SAVE_to_FLASH	‘0’ ‘1’ FLASH
W0		3	ILLEGAL_ADDRESS	‘0’ ‘1’
		4 ~ 15	Reserved	
W1	Address	byte	[15..08]	[07..00]
		Data		
W2	0		0	
W3	Data		16	

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CW0.0	RUN	‘0’ ‘1’
CW0.1	RUN@REV	‘0’ ‘1’
CW0.2	AntiCrabOpen	‘0’ ‘1’

CWO.3	RESET	‘0’
		‘1’
CWO.4	External FAULT	

CWO.13		‘ 01 ’ 2 ‘ 10 ’ 3 ‘ 11 ’ 4
CWO.14	TORQUE_ZERO	‘ 0 ’ ‘ 1 ’
CWO.15	FREE_RUNNING_STOP	‘ 0 ’ ‘ 1 ’

2

SW0.0	READY	‘0’ ‘1’
SW0.1	RUN	‘0’ ‘1’
SW0.2	FAULT	‘0’ ‘1’
SW0.3	MOTOR BRAKE	‘0’ ‘1’
SW0.4	WARNING	‘0’ ‘1’
SW0.5	DIRECTION	‘0’ ‘1’
SW0.6	M_STEP0	1 ‘0’ 1 ‘1’ 1
SW0.7	M_STEP1	2 ‘0’ 2 ‘1’ 2

SW0.8	M_STEP2	3 ‘0’ 3 ‘1’ 3
SW0.9	M_STEP3	4 ‘0’ 4 ‘1’ 4
SW0.10	Reserved	
SW0.11	Reserved	
SW0.12	REMOTE/LOCAL	/ ‘0’ ‘1’
SW0.13	Reserved	
SW0.14 SW0.15	MOTION SEL	‘00’ 1 ‘01’ 2 ‘10’ 3 ‘11’ 4

16 1 15

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LED

GDHF681N4EC01A 2 LED

LED

Err		EtherCat EtherCat
RUN		EtherCat EtherCat

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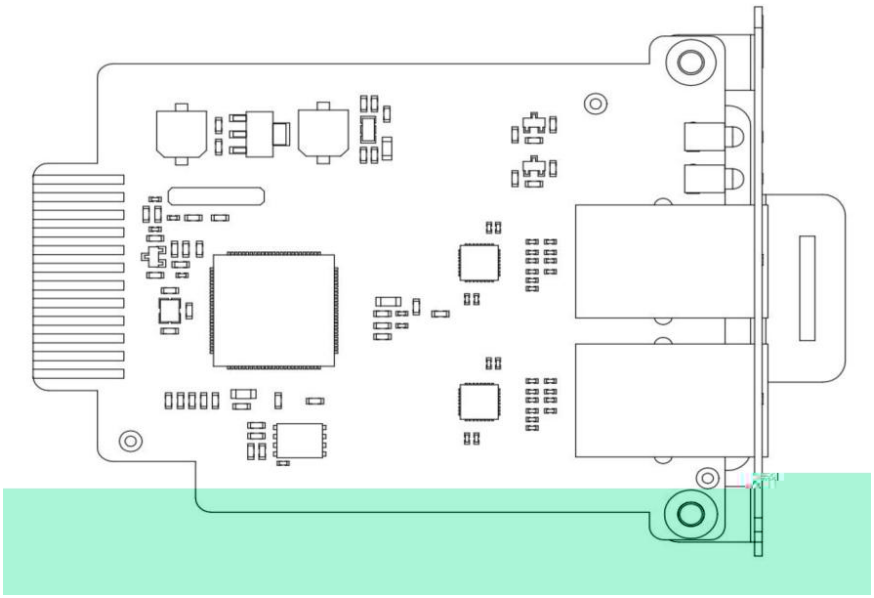

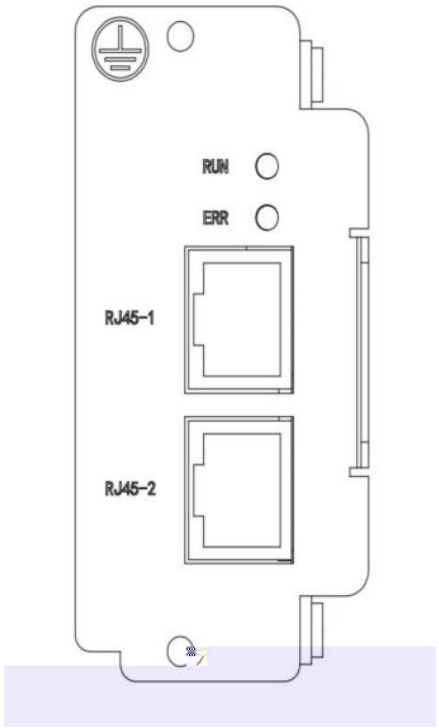

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	135~165(3~20MHz)	100~130(f>100kHz)	W
	<30	<60	pF/m
	<110	--	Ω/km
	>0.64	>0.53	mm
	>0.34	>0.22	mm^2

100

100Mbit/s

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GDHF-AECX2-DOC-UM-REV1.00

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