

NW800 EtherCAT

R33011051

V00

1

1.1

1.2

NW810-ECAT02

NW800

1.2.1

- | | | | | |
|---|---------|-----|-----|----|
| 1 | PDO | SDO | | |
| 2 | SDO | | | |
| 3 | 100Mbps | | | |
| 4 | | | | |
| 5 | SM | | 1ms | DC |
| 6 | 4 | PDO | | |

1.2.2

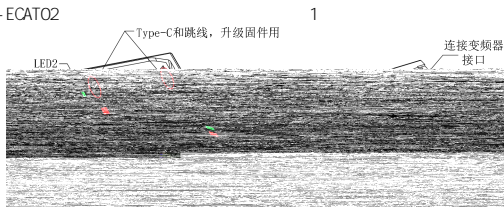
EtherCAT		RJ45 IN OUT
		CAT5
		500VDC
		EtherCAT
		100BASE-TX (IEEE802.3)
		100M
		100Mbps Auto-Defect
		NW810-ECAT02
	XML	NW800_ECAT_CoE_V2_00.xml
	SDO	SDO SDO
PDO	PDO	
		3.3VDC
		500VDC
		1W
		25g
		ESD(IEC 61800-5-1, IEC 6100-4-2) EFT(IEC 61800-5-1, IEC 6100-4-4) Surge Test(IEC 61800-5-1, IEC 6100-4-5) Conducted Susceptibility Test(IEC61800-5-1, IEC6100-4-6)

	/	- 10 50	90%
	/	- 25 70	95%
		GB4798. 3- 2007 GB12668. 501— 2013/I EC61800- 5- 1 I EC60068- 2- 6	

1. 3

1. 3. 1

NW810- ECAT02



1
RJ45

1. 3. 2

EtherCAT RJ45 2 RJ45 I N
OUT
NW810- ECAT02

1	TX+	Transmit Data+	+
2	TX-	Transmit Data-	-
3	RX+	Receive Data+	+
4	N/C		
5	N/C		
6	RX-	Receive Data-	-
7	N/C		
8	N/C		

1. 3. 3

EtherCAT

NW810- ECAT02

NW800

NW800

	/	
P02_02	2	
P02_03	3	EtherCAT
P02_05	8	EtherCAT

1. 3. 4

EtherCAT



2

2.1

NW810-ECAT02	75° 60° 24mm	
	A4*1	

2.2

NW810-ECAT02

2.2.1 EtherCAT

NW800

	1	2	/	B
		1		PG
2	PN	ECAT		I/O

2.2.2 EtherCAT

NW810 EtherCAT

2.2.3 EtherCAT

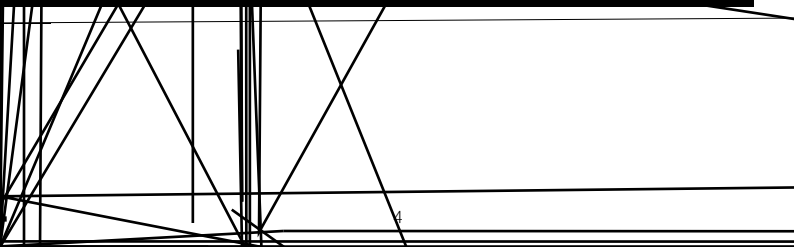
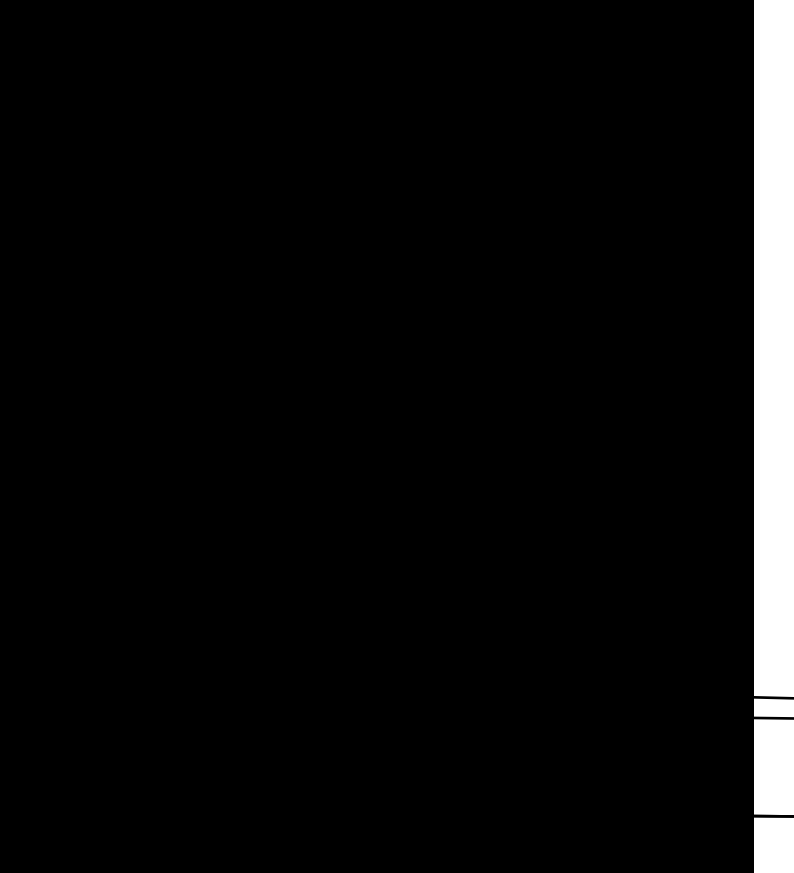
ECAT

1

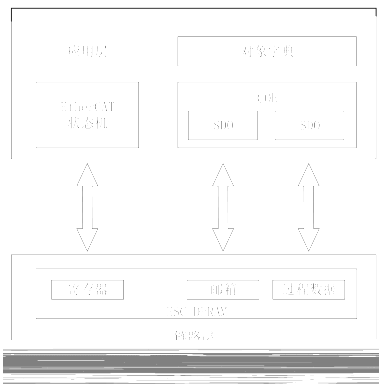
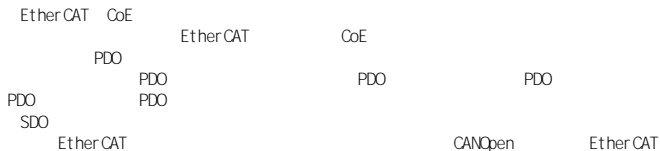
2-a

2

2-



3 EtherCAT



4 PDO

M810-ECAT02
INT16
RxPDO

PDO

UINT16

16bit

/				
6040h/0	Bit0:		0	1
	Bit1:		0	1
	Bit2:		0	1
	Bit3:		0	1
	Bit4:		0	1
	Bit5:		0	1
	Bit6:		0	1
	Bit7:		0	1
2100h/0		: 0.1%	0.0	300.0%
2101h/0		: 0.1%	0	3000
			0.0	300.0%

MEGMEET

2102h/0		: 0.01Hz	0.00 599.00Hz 0 59900	
2103h/0		: 0.01Hz	0.00 599.00Hz	
2104h/0	VF	: 1V	0 1000V	
2105h/0	DO	Bi t0 DO1 Bi t1 DO2 Bi t2 DO3 Bi t3 RO	0 1 0 1 0 1 0 1	
2106h/0	A01	0.01%	0.00 100.00% 0 10000	
2107h/0	H001	: 0.001kHz	0.000 50.000kHz 0 50000	
2108h/0	H002	: 0.001kHz	0.000 50.000kHz	
2109h/0	PI D	: 0.1%	-100.0 100.0% (-1000 1000)	
210Ah/0	PI D	: 0.1%	-100.0 100.0%	
210Bh/0				
210Ch/0		: 0.1%	-300.0 300.0%	
210Dh/0		: 0.01Hz	0.00 599.00Hz	

TxPDO

/				
6041h/0		Bi t0 Bi t1: Bi t2 Bi t3 Bi t4: Bi t5: Bi t6: Bi t7: Bi t8 Bi t9 Bi t10	0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 2 0 1 0 1 2	
2200h/0		: 0.1A	0.0 6553.5A 0 65535	
2201h/0		: 1V	0 65535V	
2202h/0		: 0.01Hz	0.00 599.00Hz 0 59900	
2203h/0		: 0.1%	-300.0 300.0% -3000 3000	
2204h/0		: 0.1V	0.0 6553.5V	
2205h/0	DI 1	Bi t0 DI 1 Bi t1 DI 2 Bi t2 DI 3	0 1 0 1 0 1	

MEGMEET

		Bi t3 DI 4	0 1	
2206h/0	DI 2	Bi t0 DI 5	0 1	
		Bi t1 DI 6	0 1	
		Bi t2 DI 7	0 1	
		Bi t3 DI 8	0 1	
2207h/0	DO	Bi t0 DO1	0 1	
		Bi t1 DO2	0 1	
		Bi t2 DO3	0 1	
		Bi t3 RO	0 1	
2208h/0		: 0.1%	- 300.0 300.0%	
			(- 3000 3000)	
2209h/0		: 0.1kW	0.0 6553.5kW	
			0 65535	
220Ah/0				
603Fh/0		" MW800		
		"		

5 SDO

EtherCAT

SDO

SDO

0x2000 0x2062

PO0

P98

" MW810

"

6

6.1 LED

MW810-ECAT02

LED

1

PCBA LED

LED

PCBA LED

LED

MW810-ECAT02

PCBA LED :

LED			
LED1		ECAT	
		ECAT	ECAT
LED2		Init	ECAT
		Pre-OP	ECAT
		Safe-OP	ECAT
		OP	
LED3			
	0.5s		6.2
LED4			
			ECAT
	0.5s	ESC	

MEGMEET

LED :

LED		
		EtherCAT

6.2

0x2064

EtherCAT

1

8bit

8bit

2

0x0200

P02.00

	0xF1
	0xF4
	0xF5
	0xF6
	0xF7
EEPROM	0xF8

5

518057

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MEGMEET

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