

MV800 EtherCAT

R33011051

V00

1

1.1

1.2

MV810-ECAT02

MV800

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		
		MV810-ECAT02		
	XML	MV800_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)		

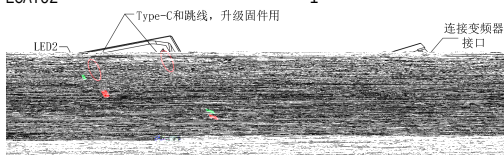
	/	-10 50 90%
	/	-25 70 95%
GB4798.3-2007 GB12668.501—		
2013/IEC61800-5-1 IEC60068-2-6		

1.3

1.3.1

MV810-ECAT02

1



1

RJ45

1.3.2

EtherCAT OUT
MV810-ECAT02

RJ45 2 RJ45 IN

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

MV810-ECAT02

MV800

MV800

	/	
P02.02	2	
P02.03	3	EtherCAT
P02.05	8	EtherCAT

1.3.4

EtherCAT



2

2.1

MV810-ECAT02	75*60*24mm	
	A4*1	

2.2

MV810

2.2.1 EtherCAT

MV810

1

2

B

PG

2

PN

ECAT

I/O

2.2.2 EtherCAT

MV810

EtherCAT

2.2.3 EtherCAT

ECAT

1

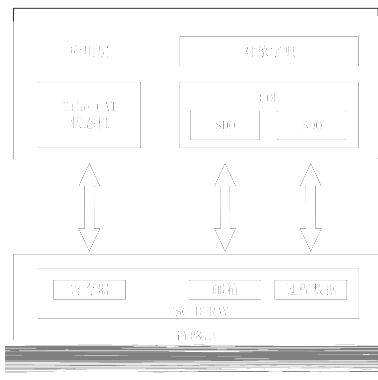
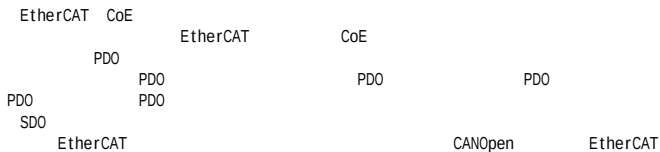
2-a

2

2-]E



3 EtherCAT



4 PDO

MV810-ECAT02 PDO 16bit
INT16 UINT16
RxPDO

/				
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	
			0 300.0%	

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	D0	Bit0 D01 Bit1 D02 Bit2 D03 Bit3 R0	0 1 0 1 0 1 0 1	
2106h/0	A01	0.01%	0.00 100.00% 0 10000	
2107h/0	HD01	:0.001kHz	0.000 50.000kHz 0 50000	
2108h/0	HD02	:0.001kHz	0.000 50.000kHz	
2109h/0	PID	:0.1%	-100.0 100.0% (-1000 1000)	
210Ah/0	PID	: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		Bit0: Bit1: Bit2: Bit3: Bit4: Bit5: Bit6: Bit7: Bit8: Bit9 Bit10:	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	Bit0 DI1 Bit1 DI2 Bit2 DI3	0 1 0 1 0 1	

		Bit3 DI4	0 1	
2206h/0	DI 2	Bit0 DI5	0 1	
		Bit1 DI6	0 1	
		Bit2 DI7	0 1	
		Bit3 DI8	0 1	
2207h/0	DO	Bit0 DO1	0 1	
		Bit1 DO2	0 1	
		Bit2 DO3	0 1	
		Bit3 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		" MV800 "		

5 SDO

EtherCAT	SDO			
	SDO	0x2000 0x2062	P00	
P98		" MV810	"	

6

6.1 LED

MV810-ECAT02	LED	1	PCBA LED	LED
PCBA LED			LED	MV810-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	

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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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