

⌚ CANopen device documentation

dm_slave

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 0x60C5 - Max acceleration
 0x60C6 - Max deceleration
 0x60F4 - Following error actual value
 0x60FF - Target velocity

Device Information

Vendor Name	
Vendor ID	
Product Name	dm_slave
Product ID	
Granularity	8
RPDO count	4
TPDO count	4
LSS Slave	False
LSS Master	False
NG Slave	False
NG Master	False

◇ Supported Baud rates

- 10 kBit/s
- 20 kBit/s
- 50 kBit/s
- 125 kBit/s
- 250 kBit/s
- 500 kBit/s
- 800 kBit/s
- 1000 kBit/s
- auto

PDO Mapping

◆ RPDO 0x1400

COB_ID	\$NODEID+0x200
Transmission	type=254
0x60400010	Controlword
0x60600008	Modes of operation
0x60710010	Target Torque

◆ RPDO 0x1401

COB_ID	\$NODEID+0x300
Transmission	type=254
0x60FF0020	Target velocity
0x607A0020	Target position

◆ TPDO 0x1800

COB_ID	\$NODEID+0xC0000180

Transmission	type=255; inhibit-time=1; event-timer=0
0x60410010	Statusword
0x60610008	Modes of operation display
0x60770010	Torque Actual Value

⌚ TPDO 0x1801

COB_ID	\$NODEID+0xC0000280
Transmission	type=255; inhibit-time=1; event-timer=0
0x606C0020	Velocity actual value
0x60640020	Position actual value

Communication Specific Parameters

⌚ 0x1000 - Device type

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	ro	no	no	0x30000

⌚ 0x1001 - Error register

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED8	ro	tr	no	0x00

⌚ 0x1003 - Pre-defined error field

Object Type	Count Label	Storage Group
ARRAY		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of errors	UNSIGNED8	rw	no	no	
0x01	Standard error field	UNSIGNED32	ro	no	no	
0x02	Standard error field	UNSIGNED32	ro	no	no	
0x03	Standard error field	UNSIGNED32	ro	no	no	
0x04	Standard error field	UNSIGNED32	ro	no	no	
0x05	Standard error field	UNSIGNED32	ro	no	no	
0x06	Standard error field	UNSIGNED32	ro	no	no	
0x07	Standard error field	UNSIGNED32	ro	no	no	
0x08	Standard error field	UNSIGNED32	ro	no	no	
0x09	Standard error field	UNSIGNED32	ro	no	no	
0x0A	Standard error field	UNSIGNED32	ro	no	no	

⌚ 0x1005 - COB-ID SYNC message

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0x00000080

⌚ 0x1006 - Communication cycle period

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0

⌚ 0x1007 - Synchronous window length

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0

⌚ 0x1008 - Manufacturer device name

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
VISIBLE_STRING	ro	no	no	

⌚ 0x1009 - Manufacturer hardware version

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
VISIBLE_STRING	ro	no	no	

⌚ 0x100A - Manufacturer software version

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
VISIBLE_STRING	ro	no	no	

⌚ 0x100C - Guard time

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	no	no	0

⌚ 0x100D - Life time factor

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED8	rw	no	no	0

⌚ 0x1010 - Store parameters

Object Type	Count Label	Storage Group
ARRAY		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Save all parameters	UNSIGNED32	rw	no	no	0x00000001
0x02	Save communication parameters	UNSIGNED32	rw	no	no	0x00000001
0x03	Save application parameters	UNSIGNED32	rw	no	no	0x00000001
0x04	Save manufacturer defined parameters	UNSIGNED32	rw	no	no	0x00000001

⌚ 0x1011 - Restore default parameters

Object Type	Count Label	Storage Group
ARRAY		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Restore all default parameters	UNSIGNED32	rw	no	no	0x00000001
0x02	Restore communication default parameters	UNSIGNED32	rw	no	no	0x00000001
0x03	Restore application default parameters	UNSIGNED32	rw	no	no	0x00000001
0x04	Restore manufacturer defined default parameters	UNSIGNED32	rw	no	no	0x00000001

⌚ 0x1012 - COB-ID time stamp object

Object Type	Count Label	Storage Group		
VAR		PERSIST_COMM		
Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0x00000100

⌚ 0x1014 - COB-ID EMCY

Object Type	Count Label	Storage Group		
VAR		PERSIST_COMM		
Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	\$NODEID+0x80

⌚ 0x1015 - Inhibit time EMCY

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	no	no	0

⌚ 0x1016 - Consumer heartbeat time

Object Type	Count Label	Storage Group
ARRAY		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000
0x02	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000
0x03	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000
0x04	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1017 - Producer heartbeat time

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	no	no	5000

⌚ 0x1018 - Identity

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Vendor-ID	UNSIGNED32	ro	no	no	0x00000000
0x02	Product code	UNSIGNED32	ro	no	no	0x00000000
0x03	Revision number	UNSIGNED32	ro	no	no	0x00000000

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x04	Serial number	UNSIGNED32	ro	no	no	0x00000000

⌚ 0x1019 - Synchronous counter overflow value

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED8	rw	no	no	240

⌚ 0x1029 - Error behavior object

Object Type	Count Label	Storage Group
ARRAY		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	Communication error	UNSIGNED8	rw	no	no	0x01
0x02	Profile- or manufacturer-specific error	UNSIGNED8	rw	no	no	0x01

⌚ 0x1200 - SDO server parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	2
0x01	COB-ID client to server (rx)	UNSIGNED32	ro	tr	no	\$NODEID+0x600
0x02	COB-ID server to client (tx)	UNSIGNED32	ro	tr	no	\$NODEID+0x580

⌚ 0x1280 - SDO client parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x03
0x01	COB-ID client to server (tx)	UNSIGNED32	rw	tr	no	0x80000000

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x02	COB-ID server to client (rx)	UNSIGNED32	rw	tr	no	0x80000000
0x03	Node-ID of the SDO server	UNSIGNED8	rw	no	no	0x01

⌚ 0x1400 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x200
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

⌚ 0x1401 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x300
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

⌚ 0x1402 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x80000400
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

⌚ 0x1403 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x80000500
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

⌚ 0x1600 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	3
0x01	Application object 1	UNSIGNED32	rw	no	no	0x60400010
0x02	Application object 2	UNSIGNED32	rw	no	no	0x60600008
0x03	Application object 3	UNSIGNED32	rw	no	no	0x60710010
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1601 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	2
0x01	Application object 1	UNSIGNED32	rw	no	no	0x60FF0020
0x02	Application object 2	UNSIGNED32	rw	no	no	0x607A0020
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1602 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1603 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1800 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000180
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	1
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

⌚ 0x1801 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000280
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	1
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

⌚ 0x1802 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000380
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	0
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

⌚ 0x1803 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000480
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	0
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

⌚ 0x1A00 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	3
0x01	Application object 1	UNSIGNED32	rw	no	no	0x60410010
0x02	Application object 2	UNSIGNED32	rw	no	no	0x60610008
0x03	Application object 3	UNSIGNED32	rw	no	no	0x60770010
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1A01 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	2
0x01	Application object 1	UNSIGNED32	rw	no	no	0x606C0020
0x02	Application object 2	UNSIGNED32	rw	no	no	0x60640020
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1A02 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

⌚ 0x1A03 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

Manufacturer Specific Parameters

⌚ 0x2000 - Motor ver parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Motor model	VISIBLE_STRING	ro	no	no	DM4310
0x02	Encoder ver	VISIBLE_STRING	ro	no	no	MA702
0x03	motor ver	UNSIGNED16	ro	no	no	11
0x04	motor type	VISIBLE_STRING	ro	no	no	JointMotor

⌚ 0x2001 - Driver parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Software ver	UNSIGNED16	ro	no	no	3173
0x02	Hardware ver	UNSIGNED8	ro	no	no	3
0x03	Voltage max	UNSIGNED8	ro	no	no	30
0x04	Current max	UNSIGNED8	ro	no	no	10

⌚ 0x2002 - Motor parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x0E
0x01	Rated voltage	UNSIGNED8	ro	no	no	24
0x02	Rated current	UNSIGNED8	ro	no	no	7
0x03	Rated torque	UNSIGNED8	ro	no	no	3
0x04	Rated speed	UNSIGNED8	ro	no	no	120

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x05	KE	UNSIGNED32	ro	no	no	0
0x06	KT	UNSIGNED32	ro	no	no	0
0x07	KV	UNSIGNED32	ro	no	no	0
0x08	Rs	UNSIGNED32	rw	no	no	0x3F59999A
0x09	Ls	UNSIGNED32	rw	no	no	0x39B4E11E
0x0A	Flux	UNSIGNED32	rw	no	no	0x3B9374BC
0x0B	Pa.s	UNSIGNED32	rw	no	no	0
0x0C	Jx	UNSIGNED32	rw	no	no	0x3796FEB5
0x0D	Pn	UNSIGNED8	rw	no	no	14
0x0E	Gr	UNSIGNED8	ro	no	no	10

⌚ 0x2003 - Communication parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	CAN Node-ID	UNSIGNED8	rw	no	no	1
0x02	CAN communication speed	UNSIGNED8	rw	no	no	8
0x03	CANopen sync error	UNSIGNED8	rw	no	no	0
0x04	CAN res	UNSIGNED8	rw	no	no	0

⌚ 0x2004 - Current control parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x03
0x01	KP	UNSIGNED32	rw	no	no	0x3F4CCCCD
0x02	KI	UNSIGNED32	rw	no	no	0x3A83126F
0x03	Bandwidth	UNSIGNED32	rw	no	no	0x447A0000

⌚ 0x2005 - Speed control parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x03
0x01	KP	UNSIGNED32	rw	no	no	0x3B78D8EB
0x02	KI	UNSIGNED32	rw	no	no	0x3D20D97C
0x03	Damping factor	UNSIGNED32	rw	no	no	0x40800000

⌚ 0x2006 - Position control parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	KP	UNSIGNED32	rw	no	no	0x42580000
0x02	KI	UNSIGNED32	rw	no	no	0

⌚ 0x2008 - IIT over current detection

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	Over current threshold	UNSIGNED32	rw	no	no	0x3F4CCCCD
0x02	Over current count	UNSIGNED32	rw	no	no	0

⌚ 0x2009 - Voltage detection

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	over voltage	UNSIGNED8	rw	no	no	32

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x02	under voltage	UNSIGNED8	rw	no	no	15

⌚ 0x200A - temperature detection

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Mos temperature	UNSIGNED32	rw	no	no	0
0x02	Motor temperature	UNSIGNED32	rw	no	no	0
0x03	Mos temperature limit	UNSIGNED32	rw	no	no	0x42C80000
0x04	Motor temperature limit	UNSIGNED32	rw	no	no	0x42C80000

⌚ 0x200B - Driver

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	Clear fault	UNSIGNED8	rw	no	no	0
0x02	Save zero	UNSIGNED8	rw	no	no	0

Device Profile Specific Parameters

⌚ 0x603F - Error code

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	ro	tr	no	0

⌚ 0x6040 - Controlword

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0

⌚ 0x6041 - Statusword

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	ro	tr	no	0

⌚ 0x605A - Quick stop option code

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER16	rw	no	no	2

⌚ 0x6060 - Modes of operation

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER8	rw	r	no	0

⌚ 0x6061 - Modes of operation display

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER8	ro	tr	no	0

⌚ 0x6062 - Position demand value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

⌚ 0x6064 - Position actual value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

⌚ 0x6065 - Following error window

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3F000000

⌚ 0x6067 - Position window

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3DCCCCCD

⌚ 0x6068 - Position window time

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0x3E4C

⌚ 0x606B - Velocity demand value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

⌚ 0x606C - Velocity actual value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

⌚ 0x606D - Velocity window

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0x3F00

⌚ 0x606E - Velocity window time

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0x3DCC

⌚ 0x606F - Velocity threshold

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0x3C23

⌚ 0x6071 - Target Torque

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER16	rw	r	no	0x0000

⌚ 0x6072 - Max Torque

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0x410B

⌚ 0x6077 - Torque Actual Value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER16	ro	tr	no	0

⌚ 0x6078 - Current actual value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0

⌚ 0x607A - Target position

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	rw	r	no	0x00000000

⌚ 0x607E - Polarity

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED8	rw	r	no	1

⌚ 0x6080 - Max motor speed

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0x44160000

⌚ 0x6083 - Profile acceleration

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x44FA0000

⌚ 0x6084 - Profile deceleration

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x44FA0000

⌚ 0x6085 - Quick stop deceleration

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x461C4000

⌚ 0x6086 - Motion profile type

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER16	rw	tr	no	0

⌚ 0x6087 - Torque Slope

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3F800000

⌚ 0x60C5 - Max acceleration

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x461C4000

⌚ 0x60C6 - Max deceleration

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x461C4000

⌚ 0x60F4 - Following error actual value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

⌚ 0x60FF - Target velocity

Object Type	Count Label	Storage Group		
VAR		RAM		
Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	rw	r	no	0x00000000