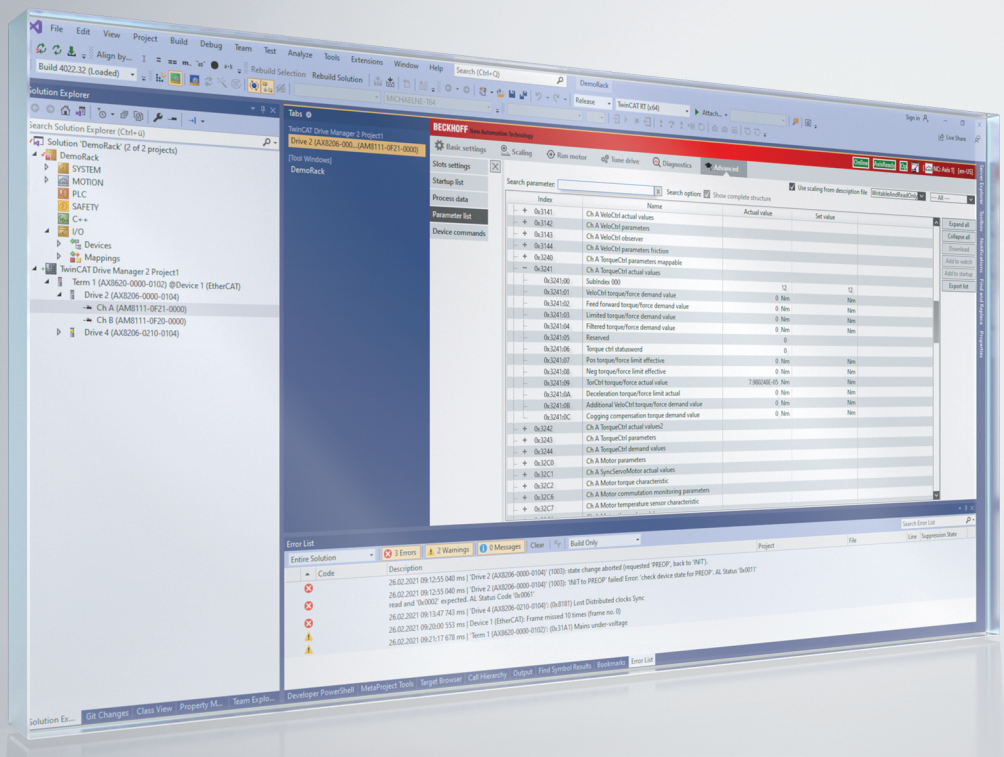
BECKHOFF New Automation Technology

Object Dictionary | EN

AX86x0, AX85xx

Power supply modules for AX8000 multi-axis servo system



2026-10-23 | Version 2.0.0

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1 Standard-Objects

1.1 1000 Device type

Description	Value
Index	0x1000 (Device)
Subindex	0x00
Datatype	UINT32
Min. Value	
Default	62919561 (0x03C01389)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.2 1008 Device name

Description	Value
Index	0x1008 (Device)
Subindex	0x00
Datatype	VISIBLE_STRING
Min. Value	
Default	AX8620-0000 AX8640-0000 AX8525-0000 AX8540-0000
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.3 1009 Hardware version

Description	Value
Index	0x1009 (Device)
Subindex	0x00
Datatype	VISIBLE_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.4 100A Software version

Description	Value
Index	0x100A (Device)
Subindex	0x00
Datatype	VISIBLE_STRING
Min. Value	
Default	00
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.5 100B Bootloader version

Description	Value
Index	0x100B (Device)
Subindex	0x00
Datatype	VISIBLE_STRING
Min. Value	
Default	N/A
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.6 1018:x Identity

Description	Value
Index	0x1018 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	4 (0x04)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.6.1 1018:01 Vendor ID

Description	Value
Index	0x1018 (Device)
Subindex	0x01
Datatype	UINT32
Min. Value	
Default	2 (0x00000002)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.6.2 1018:02 Product code

Description	Value
Index	0x1018 (Device)
Subindex	0x02
Datatype	UINT32
Min. Value	
Default	564944914 (0x21AC6012)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.6.3 1018:03 Revision

Description	Value
Index	0x1018 (Device)
Subindex	0x03
Datatype	UINT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.6.4 1018:04 Serial number

Description	Value
Index	0x1018 (Device)
Subindex	0x04
Datatype	UINT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.7 10E2:x Manufacturer-specific Identification Code

Description	Value
Index	0x10E2 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	1 (0x01)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.7.1 10E2:01 SubIndex 001

Description	Value
Index	0x10E2 (Device)
Subindex	0x01
Datatype	VISIBLE_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8 10F3:x Diagnosis History

Description	Value
Index	0x10F3 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	45 (0x2D)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.1 10F3:01 Maximum Messages

Description	Value
Index	0x10F3 (Device)
Subindex	0x01
Datatype	UINT8
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.2 10F3:02 Newest Message

Description	Value
Index	0x10F3 (Device)
Subindex	0x02
Datatype	UINT8
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.3 10F3:03 Newest Acknowledged Message

Description	Value
Index	0x10F3 (Device)
Subindex	0x03
Datatype	UINT8
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.8.4 10F3:04 New Messages Available

Description	Value
Index	0x10F3 (Device)
Subindex	0x04
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.5 10F3:05 Flags

Description	Value
Index	0x10F3 (Device)
Subindex	0x05
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.8.6 10F3:06 Diagnosis Message 001

Description	Value
Index	0x10F3 (Device)
Subindex	0x06
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.7 10F3:07 Diagnosis Message 002

Description	Value
Index	0x10F3 (Device)
Subindex	0x07
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.8 10F3:08 Diagnosis Message 003

Description	Value
Index	0x10F3 (Device)
Subindex	0x08
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.9 10F3:09 Diagnosis Message 004

Description	Value
Index	0x10F3 (Device)
Subindex	0x09
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.10 10F3:0A Diagnosis Message 005

Description	Value
Index	0x10F3 (Device)
Subindex	0x0A
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.11 10F3:0B Diagnosis Message 006

Description	Value
Index	0x10F3 (Device)
Subindex	0x0B
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.12 10F3:0C Diagnosis Message 007

Description	Value
Index	0x10F3 (Device)
Subindex	0x0C
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.13 10F3:0D Diagnosis Message 008

Description	Value
Index	0x10F3 (Device)
Subindex	0x0D
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.14 10F3:0E Diagnosis Message 009

Description	Value
Index	0x10F3 (Device)
Subindex	0x0E
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.15 10F3:0F Diagnosis Message 010

Description	Value
Index	0x10F3 (Device)
Subindex	0x0F
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.16 10F3:10 Diagnosis Message 011

Description	Value
Index	0x10F3 (Device)
Subindex	0x10
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.17 10F3:11 Diagnosis Message 012

Description	Value
Index	0x10F3 (Device)
Subindex	0x11
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.18 10F3:12 Diagnosis Message 013

Description	Value
Index	0x10F3 (Device)
Subindex	0x12
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.19 10F3:13 Diagnosis Message 014

Description	Value
Index	0x10F3 (Device)
Subindex	0x13
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.20 10F3:14 Diagnosis Message 015

Description	Value
Index	0x10F3 (Device)
Subindex	0x14
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.21 10F3:15 Diagnosis Message 016

Description	Value
Index	0x10F3 (Device)
Subindex	0x15
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.22 10F3:16 Diagnosis Message 017

Description	Value
Index	0x10F3 (Device)
Subindex	0x16
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.23 10F3:17 Diagnosis Message 018

Description	Value
Index	0x10F3 (Device)
Subindex	0x17
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.24 10F3:18 Diagnosis Message 019

Description	Value
Index	0x10F3 (Device)
Subindex	0x18
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.25 10F3:19 Diagnosis Message 020

Description	Value
Index	0x10F3 (Device)
Subindex	0x19
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.26 10F3:1A Diagnosis Message 021

Description	Value
Index	0x10F3 (Device)
Subindex	0x1A
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.27 10F3:1B Diagnosis Message 022

Description	Value
Index	0x10F3 (Device)
Subindex	0x1B
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.28 10F3:1C Diagnosis Message 023

Description	Value
Index	0x10F3 (Device)
Subindex	0x1C
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.29 10F3:1D Diagnosis Message 024

Description	Value
Index	0x10F3 (Device)
Subindex	0x1D
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.30 10F3:1E Diagnosis Message 025

Description	Value
Index	0x10F3 (Device)
Subindex	0x1E
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.31 10F3:1F Diagnosis Message 026

Description	Value
Index	0x10F3 (Device)
Subindex	0x1F
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.32 10F3:20 Diagnosis Message 027

Description	Value
Index	0x10F3 (Device)
Subindex	0x20
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.33 10F3:21 Diagnosis Message 028

Description	Value
Index	0x10F3 (Device)
Subindex	0x21
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.34 10F3:22 Diagnosis Message 029

Description	Value
Index	0x10F3 (Device)
Subindex	0x22
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.35 10F3:23 Diagnosis Message 030

Description	Value
Index	0x10F3 (Device)
Subindex	0x23
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.36 10F3:24 Diagnosis Message 031

Description	Value
Index	0x10F3 (Device)
Subindex	0x24
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.37 10F3:25 Diagnosis Message 032

Description	Value
Index	0x10F3 (Device)
Subindex	0x25
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.38 10F3:26 Diagnosis Message 033

Description	Value
Index	0x10F3 (Device)
Subindex	0x26
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.39 10F3:27 Diagnosis Message 034

Description	Value
Index	0x10F3 (Device)
Subindex	0x27
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.40 10F3:28 Diagnosis Message 035

Description	Value
Index	0x10F3 (Device)
Subindex	0x28
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.41 10F3:29 Diagnosis Message 036

Description	Value
Index	0x10F3 (Device)
Subindex	0x29
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.42 10F3:2A Diagnosis Message 037

Description	Value
Index	0x10F3 (Device)
Subindex	0x2A
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.43 10F3:2B Diagnosis Message 038

Description	Value
Index	0x10F3 (Device)
Subindex	0x2B
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.44 10F3:2C Diagnosis Message 039

Description	Value
Index	0x10F3 (Device)
Subindex	0x2C
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.8.45 10F3:2D Diagnosis Message 040

Description	Value
Index	0x10F3 (Device)
Subindex	0x2D
Datatype	OCTET_STRING
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.9 10F8 Timestamp Object

Description	Value
Index	0x10F8 (Device)
Subindex	0x00
Datatype	UINT64
Min. Value	
Default	
Max. Value	
Unit	ns
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.10 1C00:x Sync manager type

Description	Value
Index	0x1C00 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	4 (0x04)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.10.1 1C00:01 SubIndex 001

Description	Value
Index	0x1C00 (Device)
Subindex	0x01
Datatype	UINT8
Min. Value	
Default	1 (0x01)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.10.2 1C00:02 SubIndex 002

Description	Value
Index	0x1C00 (Device)
Subindex	0x02
Datatype	UINT8
Min. Value	
Default	2 (0x02)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.10.3 1C00:03 SubIndex 003

Description	Value
Index	0x1C00 (Device)
Subindex	0x03
Datatype	UINT8
Min. Value	
Default	3 (0x03)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.10.4 1C00:04 SubIndex 004

Description	Value
Index	0x1C00 (Device)
Subindex	0x04
Datatype	UINT8
Min. Value	
Default	4 (0x04)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.11 1C12:x RxPDO assign

Description	Value
Index	0x1C12 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.12 1C13:x TxPDO assign

Description	Value
Index	0x1C13 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.1 1C13:01 Subindex 001

Description	Value
Index	0x1C13 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	6656 (0x1A00)
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.2 1C13:02 Subindex 002

Description	Value
Index	0x1C13 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.3 1C13:03 Subindex 003

Description	Value
Index	0x1C13 (Device)
Subindex	0x03
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.4 1C13:04 Subindex 004

Description	Value
Index	0x1C13 (Device)
Subindex	0x04
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.5 1C13:05 Subindex 005

Description	Value
Index	0x1C13 (Device)
Subindex	0x05
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.6 1C13:06 Subindex 006

Description	Value
Index	0x1C13 (Device)
Subindex	0x06
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.7 1C13:07 Subindex 007

Description	Value
Index	0x1C13 (Device)
Subindex	0x07
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.12.8 1C13:08 Subindex 008

Description	Value
Index	0x1C13 (Device)
Subindex	0x08
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.13 1C33:x SM input parameter

Description	Value
Index	0x1C33 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	32 (0x20)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.1 1C33:01 Sync mode

Description	Value
Index	0x1C33 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	2 (0x0002)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.13.2 1C33:02 Cycle time

Description	Value
Index	0x1C33 (Device)
Subindex	0x02
Datatype	UINT32
Min. Value	
Default	125000 (0x0001E848)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.13.3 1C33:03 Shift time

Description	Value			
Device	**AX8620-0000**	**AX8640-0000**	**AX8525-0000**	**AX8540-0000**
Index	0x1C33 (Device)			
Subindex	0x03			
Datatype	UINT32			
Min. Value				
Default	0	900 (0x00000384)	900 (0x00000384)	900 (0x00000384)
Max. Value				
Unit				
Access / EtherCAT-State	Ro			
PDO Mapping				
Revision	All			

1.13.4 1C33:04 Sync modes supported

Description	Value			
Device	**AX8620-0000**	**AX8640-0000**	**AX8525-0000**	**AX8540-0000**
Index	0x1C33 (Device)			
Subindex	0x04			
Datatype	UINT16			
Min. Value				
Default	4 (0x0004)	2052 (0x0804)	2052 (0x0804)	2052 (0x0804)
Max. Value				
Unit				
Access / EtherCAT-State	Ro			
PDO Mapping				
Revision	All			

1.13.5 1C33:05 Minimum cycle time

Description	Value
Index	0x1C33 (Device)
Subindex	0x05
Datatype	UINT32
Min. Value	
Default	62500 (0x0000F424)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.6 1C33:06 Calc and copy time

Description	Value
Index	0x1C33 (Device)
Subindex	0x06
Datatype	UINT32
Min. Value	
Default	62500 (0x0000F424)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.7 1C33:07 Minimum delay time

Description	Value
Index	0x1C33 (Device)
Subindex	0x07
Datatype	UINT32
Min. Value	
Default	900 (0x00000384)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.8 1C33:08 Get Cycle Time

Description	Value
Index	0x1C33 (Device)
Subindex	0x08
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.13.9 1C33:09 Maximum delay time

Description	Value
Index	0x1C33 (Device)
Subindex	0x09
Datatype	UINT32
Min. Value	
Default	900 (0x00000384)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.10 1C33:0B SM event missed counter

Description	Value
Index	0x1C33 (Device)
Subindex	0x0B
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.11 1C33:0C Cycle exceeded counter

Description	Value
Index	0x1C33 (Device)
Subindex	0x0C
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.12 1C33:0D Shift too short counter

Description	Value
Index	0x1C33 (Device)
Subindex	0x0D
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.13.13 1C33:20 Sync error

Description	Value
Index	0x1C33 (Device)
Subindex	0x20
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.14 6000:x PSM Controlword for axis

Description	Value
Index	0x6000 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	12 (0x0C)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.14.1 6000:01 Non-generative brake order_n

Order for the axis to brake without generating energy back in the power supply module. Active low

Description	Value
Index	0x6000 (Device)
Subindex	0x01
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.14.2 6000:02 Ready to operate

High if no errors, mains voltage between tolerances, dc link loaded and relays closed. It allows the axis to be enabled. If this gets low in operation, the axis do not be disabled but rather it avoids the axis to be enabled again.

Description	Value
Index	0x6000 (Device)
Subindex	0x02
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.14.3 6000:03 TorqueOFF order_n

Order for the axis to switch off the torque. Active low

Description	Value
Index	0x6000 (Device)
Subindex	0x03
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.14.4 6000:04 Generative brake order_n

Order for the axis to brake without demanding energy from the DcLink. Active low

Description	Value
Index	0x6000 (Device)
Subindex	0x04
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.14.5 6000:05 Limit dc link current_order_n

Order for the axis to limit the requested current from the DC link. Active low. Cause: Motoric load (6001:04) greater than 102%.

Description	Value
Index	0x6000 (Device)
Subindex	0x05
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.14.6 6000:06 NC handling_order_n

Order for the NC to handle. Active low

Description	Value
Index	0x6000 (Device)
Subindex	0x06
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.14.7 6000:0C Counter

Sign for the axis, that the power supply module is in SAFEOP or OP.

Description	Value
Index	0x6000 (Device)
Subindex	0x0C
Datatype	BIT5
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.15 6001:x PSM Actual voltages

Description	Value
Index	0x6001 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	2 (0x02)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.15.1 6001:01 Actual DC link voltage

Actual voltage value at the DC link.

Description	Value
Index	0x6001 (Device)
Subindex	0x01
Datatype	UINT32
Min. Value	
Default	
Max. Value	
Unit	mV
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.15.2 6001:02 Actual mains voltage

Actual RMS-value of mains voltage

Description	Value
Index	0x6001 (Device)
Subindex	0x02
Datatype	UINT32
Min. Value	
Default	
Max. Value	
Unit	mV
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.16 6002:x PSM Actual currents

Description	Value
Index	0x6002 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	2 (0x02)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.16.1 6002:01 Actual DC link current

Actual input current in the dc link. Variable only gets updated when current is higher 0.5A.

Description	Value
Index	0x6002 (Device)
Subindex	0x01
Datatype	INT16
Min. Value	
Default	
Max. Value	
Unit	0,01 A
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.16.2 6002:02 Actual motor load

Actual input load in the dc link in percent of nominal current.

Description	Value
Index	0x6002 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	%
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.17 6003:x PSM Actual data

Description	Value
Index	0x6003 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	2 (0x02)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.17.1 6003:01 Actual brake resistor continuous power

Actual continuous power converted in the brake resistor.

Description	Value
Index	0x6003 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	W
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.17.2 6003:02 Actual brake resistor short-time energy

Actual brake energy generated in last second in % of maximal short-time energy (by on-time 1s). Max short-time energy = Continuous max power x Overload factor for 1s x Switch-On-Time (1s).

Description	Value
Index	0x6003 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	%
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.18 6004:x PSM Warning register

Description	Value
Index	0x6004 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	7 (0x07)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.18.1 6004:01 Warning__A0 Reserviert

Description	Value
Index	0x6004 (Device)
Subindex	0x01
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.18.2 6004:02 Warning__A1 Brake resistor power overload

Actual brake power or energy above brake resistor power warning threshold (8000:0D).

Description	Value
Index	0x6004 (Device)
Subindex	0x02
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.18.3 6004:03 Warning__A2 Device overtemperature

Actual heatsink temperature above heatsink temperature warning threshold (8000:0A).

Description	Value
Index	0x6004 (Device)
Subindex	0x03
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.18.4 6004:04 Warning__A3 DC link continuous overcurrent

DC link current above DC link continuous overcurrent warning threshold (8000:02).

Description	Value
Index	0x6004 (Device)
Subindex	0x04
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.18.5 6004:05 Warning__A4 Fan malfunction

Fan does not work.

Description	Value
Index	0x6004 (Device)
Subindex	0x05
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.18.6 6004:06 Warning__A5 Mains overvoltage

Actual mains voltage above mains voltage max tolerance (8000:07).

Description	Value
Index	0x6004 (Device)
Subindex	0x06
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.18.7 6004:07 Warning__A6 Mains undervoltage

Actual mains voltage below mains voltage min tolerance (8000:08).

Description	Value
Index	0x6004 (Device)
Subindex	0x07
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.19 6005:x PSM Actual diagnostics

Description	Value
Index	0x6005 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	3 (0x03)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.19.1 6005:01 DcLink state machine

Actual state of the DcLink state machine.

Description	Value
Index	0x6005 (Device)
Subindex	0x01
Datatype	ENUM (UINT8)
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

Enum Value	Description
9 (0x09)	Err_TorqueOff
8 (0x08)	Err_WaitingForDisablingAxis
7 (0x07)	RtO_ChargeInOperation
6 (0x06)	RtO_PowerLoss
5 (0x05)	RtO_ShortPowerLoss
4 (0x04)	RtO_Run
3 (0x03)	DcLinkOk
2 (0x02)	CheckDcLinkConnection
1 (0x01)	BypassChargeResistor
0 (0x00)	WaitingForCharging

1.19.2 6005:02 Umains state machine

Actual state of the Umains state machine.

Description	Value
Index	0x6005 (Device)
Subindex	0x02
Datatype	ENUM (UINT8)
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

Enum Value	Description
5 (0x05)	PowerSupplyTypeDetection
4 (0x04)	UmainsTooHigh
3 (0x03)	UmainsTooLow
2 (0x02)	UmainsLoss
1 (0x01)	UmainsOk
0 (0x00)	UmainsOff

1.19.3 6005:03 Error code

This object shall provide the error code of the last error, which occurred in this power supply module.

Description	Value
Index	0x6005 (Device)
Subindex	0x03
Datatype	UINT16
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.20 6006:x PSM Memory interface data

Description	Value
Index	0x6006 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	7 (0x07)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.20.1 6006:01 Data 1

Actual value of debug pointer 1.

Description	Value
Index	0x6006 (Device)
Subindex	0x01
Datatype	INT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.20.2 6006:02 Data 2

Actual value of debug pointer 2.

Description	Value
Index	0x6006 (Device)
Subindex	0x02
Datatype	INT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.20.3 6006:03 Data 3

Description	Value
Index	0x6006 (Device)
Subindex	0x03
Datatype	INT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.20.4 6006:04 Data 4

Description	Value
Index	0x6006 (Device)
Subindex	0x04
Datatype	INT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.20.5 6006:05 Data 5

Description	Value
Index	0x6006 (Device)
Subindex	0x05
Datatype	INT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.20.6 6006:06 Data 6

Description	Value
Index	0x6006 (Device)
Subindex	0x06
Datatype	INT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.20.7 6006:07 Data 7

Description	Value
Index	0x6006 (Device)
Subindex	0x07
Datatype	INT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21 6007:x PSM Statusword

Description	Value
Index	0x6007 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	8 (0x08)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.21.1 6007:01 Ready to operate

High if no errors, mains voltage between tolerances, dc link loaded and relays closed. It allows the axis to be enabled. If this gets low in operation, the axis do not be disabled but rather it avoids the axis to be enabled again.

Description	Value
Index	0x6007 (Device)
Subindex	0x01
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21.2 6007:02 Error

High if any error is set. To know the error look at the Diag-History.

Description	Value
Index	0x6007 (Device)
Subindex	0x02
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21.3 6007:03 Warning

High if any warning is set. To know the warning look at the warning register (6002).

Description	Value
Index	0x6007 (Device)
Subindex	0x03
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21.4 6007:04 Relays closed

High if relays are closed.

Description	Value
Index	0x6007 (Device)
Subindex	0x04
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21.5 6007:05 Brake chopper active

High if brake chopper is switched on.

Description	Value
Index	0x6007 (Device)
Subindex	0x05
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21.6 6007:06 Fan active

High if fan is turning.

Description	Value
Index	0x6007 (Device)
Subindex	0x06
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21.7 6007:07 Reserve 6

Description	Value
Index	0x6007 (Device)
Subindex	0x07
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.21.8 6007:08 Reserve 7

Description	Value
Index	0x6007 (Device)
Subindex	0x08
Datatype	BOOL
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	Transmit
Revision	All

1.22 8000:x PSM Parameters

Description	Value
Index	0x8000 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	20 (0x14)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.22.1 8000:01 DC link max voltage

Threshold for dc link overvoltage error. The brake resistor switchOn/ Off threshold voltage (see 9006:09 and :0A) are calculated from this parameter. The last one (9006:0A) must be greater than the mains voltage max threshold (9006:0B) multiplied by sqrt(2).

Description	Value
Index	0x8000 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	0
Default	8750 (0x222E)
Max. Value	8750 (0x222E)
Unit	0,1 V
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.2 8000:02 DC link continuous overcurrent warning threshold

By actual motoric load (6001:04) above this value (percent of nominal dc link current) the DC link continuous overcurrent warning (6004:04) is set.

Description	Value
Index	0x8000 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	0
Default	90 (0x005A)
Max. Value	101 (0x0065)
Unit	%
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.3 8000:04 Mains type

According to this value following mains supply modes can be set: AC 3 phases (0), AC 1 phase (1) oder DC (2),

Description	Value
Index	0x8000 (Device)
Subindex	0x04
Datatype	ENUM (UINT8)
Min. Value	
Default	AC 3 phases (0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

Enum Value	Description			
	AX8620-0000	AX8640-0000	AX8525-0000	AX8540-0000
2 (0x02)	DC			
1 (0x01)	AC 1 phase	-	-	-
0 (0x00)	AC 3 phases			

1.22.4 8000:06 Mains voltage

Connected mains RMS-voltage.

Description	Value
Index	0x8000 (Device)
Subindex	0x06
Datatype	UINT16
Min. Value	180 (0x00B4)
Default	4000 (0x0FA0)
Max. Value	7000 (0x1B58)
Unit	0,1 V
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.5 8000:07 Mains voltage max tolerance

Positive tolerance of parametrized mains voltage (8000:06), above that the mains overvoltage waning is set. For values >20% this threshold is also assumed to set the mains overvoltage error.

Description	Value
Index	0x8000 (Device)
Subindex	0x07
Datatype	UINT16
Min. Value	0
Default	10 (0x000A)
Max. Value	50 (0x0032)
Unit	%
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.6 8000:08 Mains voltage min tolerance

Negative tolerance of parametrized mains voltage (8000:06), below that the mains undervoltage waning is set. For values >30% this threshold is also assumed to set the mains undervoltage error.

Description	Value
Index	0x8000 (Device)
Subindex	0x08
Datatype	UINT16
Min. Value	0
Default	25 (0x0019)
Max. Value	50 (0x0032)
Unit	%
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.7 8000:0A Device temperature warning threshold

Percent of heatsink max temperature, above which the device overtemperature warning (6004:03) is set.

Description	Value
Index	0x8000 (Device)
Subindex	0x0A
Datatype	UINT16
Min. Value	0
Default	90 (0x005A)
Max. Value	101 (0x0065)
Unit	%
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.8 8000:0B External brake resistor value

Resistance value of brake resistor. The default value is the resistance of the internal brake resistor.

Description	Value			
Device	**AX8620-0000**	**AX8640-0000**	**AX8525-0000**	**AX8540-000**
Index	0x8000 (Device)			
Subindex	0x0B			
Datatype	UINT16			
Min. Value	330 (0x014A)	165 (0x00A5)	100 (0x0064)	100 (0x0064)
Default	330 (0x014A)	165 (0x00A5)	100 (0x0064)	100 (0x0064)
Max. Value	500 (0x01F4)			
Unit	0,1 W			
Access / EtherCAT-State	Rw / PreOp			
PDO Mapping				
Revision	All			

1.22.9 8000:0C External brake resistor continuous power

Threshold of brake continuous power for external brake resistor, above which the brake resistor is disabled.

Description	Value			
Device	**AX8620-000**	**AX8640-0000**	**AX8525-0000**	**AX8540-000**
Index	0x8000 (Device)			
Subindex	0x0C			
Datatype	UINT16			
Min. Value	0			
Default	100 (0x0064)	100 (0x0064)	100 (0x0064)	100 (0x0064)
Max. Value	1600 (0x0640)	3200 (0x0C80)	6000 (0x1770)	6000 (0x1770)
Unit	W			
Access / EtherCAT-State	Rw / PreOp			
PDO Mapping				
Revision	All			

1.22.10 8000:0D Brake resistor power warning threshold

Percent of brake resistor max power (8000:0c) and percent of brake resistor max short time energy (1 second on-time), above which the brake resistor power overload warning is set.

Description	Value
Index	0x8000 (Device)
Subindex	0x0D
Datatype	UINT16
Min. Value	0
Default	90 (0x005A)
Max. Value	101 (0x0065)
Unit	%
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.11 8000:0E Brake resistor connection mode

According to this value following modes can be set: Internal(0) or external brake resistor(1),

Description	Value
Index	0x8000 (Device)
Subindex	0x0E
Datatype	ENUM (UINT4)
Min. Value	
Default	Internal brake resistor (0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

Enum Value	Description
1 (0x01)	External brake resistor
0 (0x00)	Internal brake resistor

1.22.12 8000:10 Ext brake resistor overload factor at 1 percent of duty cycle

Overload factor of external brake resistor when switched on for 1 percent of duty cycle.

Description	Value
Index	0x8000 (Device)
Subindex	0x10
Datatype	UINT8
Min. Value	1 (0x01)
Default	18 (0x12)
Max. Value	255 (0xFF)
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.13 8000:11 Control word

For multiple selection add the integer value of each selection and write the result.

Description	Value
Index	0x8000 (Device)
Subindex	0x11
Datatype	ENUM (UINT16)
Min. Value	
Default	For multiple selection, set integer value (0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

Enum Value	Description
16 (0x10)	Deactivate brake resistor check
8 (0x08)	Long filter time for Umains phase error detection
4 (0x04)	Deactivate Umains phase error detection
2 (0x02)	Multiple power supply modules
1 (0x01)	Fast discharge dc link
0 (0x00)	For multiple selection, set integer value

1.22.14 8000:12 External brake resistor time constant 1

Description	Value
Index	0x8000 (Device)
Subindex	0x12
Datatype	REAL32
Min. Value	-3.40282E+38
Default	0.0
Max. Value	3.40282E+38
Unit	s
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.15 8000:13 External brake resistor time constant 2

Description	Value
Index	0x8000 (Device)
Subindex	0x13
Datatype	REAL32
Min. Value	-3.40282E+38
Default	0.0
Max. Value	3.40282E+38
Unit	s
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.22.16 8000:14 External brake resistor partial fraction factor

Description	Value
Index	0x8000 (Device)
Subindex	0x14
Datatype	REAL32
Min. Value	0.1
Default	0.0
Max. Value	3.40282E+38
Unit	%
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.23 8001:x PSM Memory interface config

Description	Value
Index	0x8001 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	21 (0x15)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.1 8001:01 Address 1

Memory address of internal variable for debug pointer 1.

Description	Value
Index	0x8001 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.2 8001:02 Address 2

Memory address of internal variable for debug pointer 2.

Description	Value
Index	0x8001 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.3 8001:05 Byte lenght 1

Lenght in bytes of internal variable to be debugged by debug pointer 1.

Description	Value
Index	0x8001 (Device)
Subindex	0x05
Datatype	ENUM (UINT8)
Min. Value	
Default	2 byte (2)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	4 bytes
2 (0x02)	2 byte
1 (0x01)	1 bytes

1.23.4 8001:06 Byte lenght 2

Lenght in bytes of internal variable to be debugged by debug pointer 2.

Description	Value
Index	0x8001 (Device)
Subindex	0x06
Datatype	ENUM (UINT8)
Min. Value	
Default	2 bytes (2)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	4 bytes
2 (0x02)	2 bytes
1 (0x01)	1 bytes

1.23.5 8001:07 Debug parameter

Memory address of internal variable for debug pointer 1.

Description	Value
Index	0x8001 (Device)
Subindex	0x07
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.6 8001:08 Address 3

Description	Value
Index	0x8001 (Device)
Subindex	0x08
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.7 8001:09 Byte lenght 3

Description	Value
Index	0x8001 (Device)
Subindex	0x09
Datatype	ENUM (UINT8)
Min. Value	
Default	(0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	4 bytes
2 (0x02)	2 bytes
1 (0x01)	1 byte

1.23.8 8001:0B Address 4

Description	Value
Index	0x8001 (Device)
Subindex	0x0B
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.9 8001:0C Byte lenght 4

Description	Value
Index	0x8001 (Device)
Subindex	0x0C
Datatype	ENUM (UINT8)
Min. Value	
Default	(0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	4 bytes
2 (0x02)	2 bytes
1 (0x01)	1 byte

1.23.10 8001:0E Address 5

Description	Value
Index	0x8001 (Device)
Subindex	0x0E
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.11 8001:0F Byte lenght 5

Description	Value
Index	0x8001 (Device)
Subindex	0x0F
Datatype	ENUM (UINT8)
Min. Value	
Default	(0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	4 bytes
2 (0x02)	2 bytes
1 (0x01)	1 byte

1.23.12 8001:11 Address 6

Description	Value
Index	0x8001 (Device)
Subindex	0x11
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.13 8001:12 Byte lenght 6

Description	Value
Index	0x8001 (Device)
Subindex	0x12
Datatype	ENUM (UINT8)
Min. Value	
Default	(0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	4 bytes
2 (0x02)	2 bytes
1 (0x01)	1 byte

1.23.14 8001:14 Address 7

Description	Value
Index	0x8001 (Device)
Subindex	0x14
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.23.15 8001:15 Byte lenght 7

Description	Value
Index	0x8001 (Device)
Subindex	0x15
Datatype	ENUM (UINT8)
Min. Value	
Default	(0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	4 bytes
2 (0x02)	2 bytes
1 (0x01)	1 byte

1.24 8002:x PSM Memory control

Description	Value
Index	0x8002 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	18 (0x12)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.24.1 8002:01 Read error memory

By rising edge and slave in PREOP the error memory is read and shown at the diag-history.

Description	Value
Index	0x8002 (Device)
Subindex	0x01
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.24.2 8002:02 Reset error memory

By rising edge, slave in PREOP and right password the error memory is reseted. Internal use only.

Description	Value
Index	0x8002 (Device)
Subindex	0x02
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.24.3 8002:03 Write ids

By rising edge, slave in PREOP and right password the pcb (9003, 9004, 9005, 9007) and device ids (9002) are written in the EEPROM. Internal use only.

Description	Value
Index	0x8002 (Device)
Subindex	0x03
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.24.4 8002:04 Write factory settings

By rising edge, slave in PREOP and right password the factory settings (2000) are written in the EEPROM. Internal use only.

Description	Value
Index	0x8002 (Device)
Subindex	0x04
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.24.5 8002:05 Reset operating time

By rising edge, slave in PREOP and right password the operating time (A000:01) is reseted. Internal use only.

Description	Value
Index	0x8002 (Device)
Subindex	0x05
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.24.6 8002:11 Data

Value of Data type (8002:12) to be written in EEPROM

Description	Value
Index	0x8002 (Device)
Subindex	0x11
Datatype	VISIBLE_STRING
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

1.24.7 8002:12 Data type

Data type to be written in EEPROM

Description	Value
Index	0x8002 (Device)
Subindex	0x12
Datatype	ENUM (UINT16)
Min. Value	
Default	Select (0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw / PreOp
PDO Mapping	
Revision	All

Enum Value	Description
4 (0x04)	Write BIC
3 (0x03)	Production date (dd.mm.yyyy)
2 (0x02)	HW revision
1 (0x01)	Model no.
0 (0x00)	Select

1.25 8003 PSM Reset errors

Description	Value
Index	0x8003 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.26 8004:x PSM Parameters error manager

Password to write this object: 0x24A8C671. Type it in Code word f008.

Description	Value
Index	0x8004 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	2 (0x02)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.26.1 8004:01 Choose force reaction

This object shall indicate the forced error reaction.

Description	Value
Index	0x8004 (Device)
Subindex	0x01
Datatype	ENUM (INT16)
Min. Value	
Default	TorqueOffOrder (0)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

Enum Value	Description
0 (0x0000)	TorqueOffOrder
-1 (0xFFFF)	NCHandlingOrder
-2 (0xFFFE)	NonGenerativeBrakeOrder
-3 (0xFFFD)	GenerativeBrakeOrder
-4 (0xFFFC)	BrakeChopperOff

1.26.2 8004:02 Force reaction

This object is to perform the forced error reaction.

Description	Value
Index	0x8004 (Device)
Subindex	0x02
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27 8005:x PSM Factory settings

Description	Value
Index	0x8005 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	18 (0x12)
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.1 8005:01 DC link current scaling gain

Description	Value
Index	0x8005 (Device)
Subindex	0x01
Datatype	INT16
Min. Value	0
Default	1000 (0x03E8)
Max. Value	32767 (0x7FFF)
Unit	m
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.2 8005:02 DC link current offset

Description	Value
Index	0x8005 (Device)
Subindex	0x02
Datatype	INT16
Min. Value	-32768 (0x8000)
Default	0
Max. Value	32767 (0x7FFF)
Unit	0,01 A
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.3 8005:03 DC link voltage scaling gain

Description	Value
Index	0x8005 (Device)
Subindex	0x03
Datatype	INT16
Min. Value	0
Default	1000 (0x03E8)
Max. Value	32767 (0x7FFF)
Unit	m
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.4 8005:04 DC link voltage offset

Description	Value
Index	0x8005 (Device)
Subindex	0x04
Datatype	INT16
Min. Value	-32768 (0x8000)
Default	0
Max. Value	32767 (0x7FFF)
Unit	0,1 V
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.5 8005:05 Mains voltage scaling gain 1

Description	Value
Index	0x8005 (Device)
Subindex	0x05
Datatype	INT16
Min. Value	0
Default	1000 (0x03E8)
Max. Value	32767 (0x7FFF)
Unit	m
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.6 8005:06 Mains voltage offset1

Description	Value
Index	0x8005 (Device)
Subindex	0x06
Datatype	INT16
Min. Value	-32768 (0x8000)
Default	0
Max. Value	32767 (0x7FFF)
Unit	0,1 V
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.7 8005:07 Mains voltage scaling gain 2

Description	Value
Index	0x8005 (Device)
Subindex	0x07
Datatype	INT16
Min. Value	0
Default	1000 (0x03E8)
Max. Value	32767 (0x7FFF)
Unit	m
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.8 8005:08 Mains voltage offset 2

Description	Value
Index	0x8005 (Device)
Subindex	0x08
Datatype	INT16
Min. Value	
Default	0
Max. Value	
Unit	0,1 V
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.9 8005:09 Mains voltage scaling gain 3

Description	Value
Index	0x8005 (Device)
Subindex	0x09
Datatype	INT16
Min. Value	0
Default	1000 (0x03E8)
Max. Value	32767 (0x7FFF)
Unit	m
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.10 8005:0A Mains voltage offset 3

Description	Value
Index	0x8005 (Device)
Subindex	0x0A
Datatype	INT16
Min. Value	-32768 (0x8000)
Default	0
Max. Value	32767 (0x7FFF)
Unit	0,1 V
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.11 8005:10 Checksum

Description	Value
Index	0x8005 (Device)
Subindex	0x10
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.12 8005:11 Control word

Description	Value
Index	0x8005 (Device)
Subindex	0x11
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.27.13 8005:12 Command data integer

Description	Value
Index	0x8005 (Device)
Subindex	0x12
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28 9002:x PSM Device ids

Description	Value
Index	0x9002 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	15 (0x0F)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.28.1 9002:01 Vendor id

Description	Value
Index	0x9002 (Device)
Subindex	0x01
Datatype	UINT32
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.2 9002:02 Product code

Description	Value
Index	0x9002 (Device)
Subindex	0x02
Datatype	UINT32
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.3 9002:03 Revision no

Description	Value
Index	0x9002 (Device)
Subindex	0x03
Datatype	UINT32
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.4 9002:04 Serial no

Description	Value
Index	0x9002 (Device)
Subindex	0x04
Datatype	UINT32
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.5 9002:05 Manufacturing date

Description	Value
Index	0x9002 (Device)
Subindex	0x05
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.6 9002:06 HW id 1

Description	Value
Index	0x9002 (Device)
Subindex	0x06
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.7 9002:0A HW id 2

Description	Value
Index	0x9002 (Device)
Subindex	0x0A
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.8 9002:0B HW id 3

Description	Value
Index	0x9002 (Device)
Subindex	0x0B
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.9 9002:0C HW id 4

Description	Value
Index	0x9002 (Device)
Subindex	0x0C
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.10 9002:0D Free switch code 1

Description	Value
Index	0x9002 (Device)
Subindex	0x0D
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.11 9002:0E Free switch code 2

Description	Value
Index	0x9002 (Device)
Subindex	0x0E
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.28.12 9002:0F Checksum

Description	Value
Index	0x9002 (Device)
Subindex	0x0F
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29 9003:x PSM Pcb ids Pcb id 0

Description	Value
Index	0x9003 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	26 (0x1A)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.29.1 9003:01 Structure version

Description	Value
Index	0x9003 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.2 9003:02 Manufacturing date

Description	Value
Index	0x9003 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.3 9003:03 HwId reserve

Description	Value
Index	0x9003 (Device)
Subindex	0x03
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.4 9003:04 HwId Hardware type

Description	Value
Index	0x9003 (Device)
Subindex	0x04
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.5 9003:05 HwId Feature flags

Description	Value
Index	0x9003 (Device)
Subindex	0x05
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.6 9003:06 HwId Supplier

Description	Value
Index	0x9003 (Device)
Subindex	0x06
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.7 9003:07 HwId Component type

Description	Value
Index	0x9003 (Device)
Subindex	0x07
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.8 9003:08 HwId reserve 2

Description	Value
Index	0x9003 (Device)
Subindex	0x08
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.9 9003:09 HwId Hardware index

Description	Value
Index	0x9003 (Device)
Subindex	0x09
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.10 9003:0A HwId Pcb revision

Description	Value
Index	0x9003 (Device)
Subindex	0x0A
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.11 9003:0B HwId Pcb type

Description	Value
Index	0x9003 (Device)
Subindex	0x0B
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.12 9003:0C HwId Supported no of channels

Description	Value
Index	0x9003 (Device)
Subindex	0x0C
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.13 9003:0D HwId Firmware index

Description	Value
Index	0x9003 (Device)
Subindex	0x0D
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.14 9003:0F DMC 1

Description	Value
Index	0x9003 (Device)
Subindex	0x0F
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.29.15 9003:10 DMC 2

Description	Value
Index	0x9003 (Device)
Subindex	0x10
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.16 9003:11 DMC 3

Description	Value
Index	0x9003 (Device)
Subindex	0x11
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.17 9003:12 DMC 4

Description	Value
Index	0x9003 (Device)
Subindex	0x12
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.18 9003:13 DMC 5

Description	Value
Index	0x9003 (Device)
Subindex	0x13
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.19 9003:14 DMC 6

Description	Value
Index	0x9003 (Device)
Subindex	0x14
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.20 9003:15 DMC 7

Description	Value
Index	0x9003 (Device)
Subindex	0x15
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.21 9003:16 DMC 8

Description	Value
Index	0x9003 (Device)
Subindex	0x16
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.22 9003:17 DMC 9

Description	Value
Index	0x9003 (Device)
Subindex	0x17
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.23 9003:18 DMC 10

Description	Value
Index	0x9003 (Device)
Subindex	0x18
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.29.24 9003:1A Checksum

Description	Value
Index	0x9003 (Device)
Subindex	0x1A
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30 9004:x PSM Pcb ids Pcb id 1

Description	Value
Index	0x9004 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	26 (0x1A)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.30.1 9004:01 Structure version

Description	Value
Index	0x9004 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.2 9004:02 Manufacturing date

Description	Value
Index	0x9004 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.3 9004:03 HwId reserve

Description	Value
Index	0x9004 (Device)
Subindex	0x03
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.4 9004:04 HwId Hardware type

Description	Value
Index	0x9004 (Device)
Subindex	0x04
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.5 9004:05 HwId Feature flags

Description	Value
Index	0x9004 (Device)
Subindex	0x05
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.6 9004:06 HwId Supplier

Description	Value
Index	0x9004 (Device)
Subindex	0x06
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.7 9004:07 HwId Component type

Description	Value
Index	0x9004 (Device)
Subindex	0x07
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.8 9004:08 HwId reserve 2

Description	Value
Index	0x9004 (Device)
Subindex	0x08
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.9 9004:09 HwId Hardware index

Description	Value
Index	0x9004 (Device)
Subindex	0x09
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.10 9004:0A HwId Pcb revision

Description	Value
Index	0x9004 (Device)
Subindex	0x0A
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.11 9004:0B HwId Pcb type

Description	Value
Index	0x9004 (Device)
Subindex	0x0B
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.12 9004:0C HwId Supported no of channels

Description	Value
Index	0x9004 (Device)
Subindex	0x0C
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.13 9004:0D HwId Firmware index

Description	Value
Index	0x9004 (Device)
Subindex	0x0D
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.14 9004:0F DMC 1

Description	Value
Index	0x9004 (Device)
Subindex	0x0F
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.30.15 9004:10 DMC 2

Description	Value
Index	0x9004 (Device)
Subindex	0x10
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.16 9004:11 DMC 3

Description	Value
Index	0x9004 (Device)
Subindex	0x11
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.17 9004:12 DMC 4

Description	Value
Index	0x9004 (Device)
Subindex	0x12
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.18 9004:13 DMC 5

Description	Value
Index	0x9004 (Device)
Subindex	0x13
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.19 9004:14 DMC 6

Description	Value
Index	0x9004 (Device)
Subindex	0x14
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.20 9004:15 DMC 7

Description	Value
Index	0x9004 (Device)
Subindex	0x15
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.21 9004:16 DMC 8

Description	Value
Index	0x9004 (Device)
Subindex	0x16
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.22 9004:17 DMC 9

Description	Value
Index	0x9004 (Device)
Subindex	0x17
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.23 9004:18 DMC 10

Description	Value
Index	0x9004 (Device)
Subindex	0x18
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.30.24 9004:1A Checksum

Description	Value
Index	0x9004 (Device)
Subindex	0x1A
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31 9005:x PSM Pcb ids Pcb id 2

Description	Value
Index	0x9005 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	26 (0x1A)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.31.1 9005:01 Structure version

Description	Value
Index	0x9005 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.2 9005:02 Manufacturing date

Description	Value
Index	0x9005 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.3 9005:03 HwId reserve

Description	Value
Index	0x9005 (Device)
Subindex	0x03
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.4 9005:04 HwId Hardware type

Description	Value
Index	0x9005 (Device)
Subindex	0x04
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.5 9005:05 HwId Feature flags

Description	Value
Index	0x9005 (Device)
Subindex	0x05
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.6 9005:06 HwId Supplier

Description	Value
Index	0x9005 (Device)
Subindex	0x06
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.7 9005:07 HwId Component type

Description	Value
Index	0x9005 (Device)
Subindex	0x07
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.8 9005:08 HwId reserve 2

Description	Value
Index	0x9005 (Device)
Subindex	0x08
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.9 9005:09 HwId Hardware index

Description	Value
Index	0x9005 (Device)
Subindex	0x09
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.10 9005:0A HwId Pcb revision

Description	Value
Index	0x9005 (Device)
Subindex	0x0A
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.11 9005:0B HwId Pcb type

Description	Value
Index	0x9005 (Device)
Subindex	0x0B
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.12 9005:0C HwId Supported no of channels

Description	Value
Index	0x9005 (Device)
Subindex	0x0C
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.13 9005:0D HwId Firmware index

Description	Value
Index	0x9005 (Device)
Subindex	0x0D
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.14 9005:0F DMC 1

Description	Value
Index	0x9005 (Device)
Subindex	0x0F
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.31.15 9005:10 DMC 2

Description	Value
Index	0x9005 (Device)
Subindex	0x10
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.16 9005:11 DMC 3

Description	Value
Index	0x9005 (Device)
Subindex	0x11
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.17 9005:12 DMC 4

Description	Value
Index	0x9005 (Device)
Subindex	0x12
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.18 9005:13 DMC 5

Description	Value
Index	0x9005 (Device)
Subindex	0x13
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.19 9005:14 DMC 6

Description	Value
Index	0x9005 (Device)
Subindex	0x14
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.20 9005:15 DMC 7

Description	Value
Index	0x9005 (Device)
Subindex	0x15
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.21 9005:16 DMC 8

Description	Value
Index	0x9005 (Device)
Subindex	0x16
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.22 9005:17 DMC 9

Description	Value
Index	0x9005 (Device)
Subindex	0x17
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.23 9005:18 DMC 10

Description	Value
Index	0x9005 (Device)
Subindex	0x18
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.31.24 9005:1A Checksum

Description	Value
Index	0x9005 (Device)
Subindex	0x1A
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.32 9006:x PSM Internal info

Description	Value
Index	0x9006 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	15 (0x0F)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.1 9006:01 DC link nominal current

Nominal current supported by device at DC link.

Description	Value			
Device	**AX8620-000**	**AX8640-000**	**AX8525-0000**	**AX8540-0000**
Index	0x9006 (Device)			
Subindex	0x01			
Datatype	UINT16			
Min. Value				
Default	2000 (0x07D0)	4000 (0x0FA0)	4000 (0x0FA0)	4000 (0x0FA0)
Max. Value				
Unit	0,01 A			
Access / EtherCAT-State	Ro			
PDO Mapping				
Revision	All			

1.32.2 9006:02 DC link peak overcurrent threshold

Current threshold to set the error "Peak over current (device output side)".

Description	Value			
Device	**AX8620-0000**	**AX8640-0000**	**AX8525-0000**	**AX8540-0000**
Index	0x9006 (Device)			
Subindex	0x02			
Datatype	UINT16			
Min. Value				
Default	4000 (0x0FA0)	8000 (0x1F40)	8000 (0x1F40)	8000 (0x1F40)
Max. Value				
Unit	0,01 A			
Access / EtherCAT-State	Ro			
PDO Mapping				
Revision	All			

1.32.3 9006:03 24V-Supply nominal current

Nominal current of the 24V-supply supported by device.

Description	Value
Index	0x9006 (Device)
Subindex	0x03
Datatype	UINT16
Min. Value	
Default	2000 (0x07D0)
Max. Value	
Unit	0,01 A
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.4 9006:04 Device max temperature

Maximal heatsink temperature supported by device, above which the error "Excess temperature device" is set.

Description	Value
Index	0x9006 (Device)
Subindex	0x04
Datatype	UINT16
Min. Value	
Default	800 (0x0320)
Max. Value	
Unit	0,1 °C
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.5 9006:05 Internal brake resistor value

Resistance value of the internal brake resistor.

Description	Value			
Device	**AX8620-0000**	**AX8640-0000**	**AX8525-0000**	**AX8540-0000**
Index	0x9006 (Device)			
Subindex	0x05			
Datatype	UINT16			
Min. Value				
Default	330 (0x014A)	165 (0x00A5)	100 (0x0064)	100 (0x0064)
Max. Value				
Unit	0,1 W			
Access / EtherCAT-State	Ro			
PDO Mapping				
Revision	All			

1.32.6 9006:06 Internal brake resistor max power

Maximal continuous power of the internal brake resistor.

Description	Value			
Device	**AX8620-0000**	**AX8640-0000**	**AX8525-0000**	**AX8540-0000**
Index	0x9006 (Device)			
Subindex	0x06			
Datatype	UINT16			
Min. Value				
Default	100 (0x0064)	200 (0x00C8)	200 (0x00C8)	200 (0x00C8)
Max. Value				
Unit	W			
Access / EtherCAT-State	Ro			
PDO Mapping				
Revision	All			

1.32.7 9006:07 DC link max threshold voltage

Maximal DC link voltage threshold supported by device.

Description	Value
Index	0x9006 (Device)
Subindex	0x07
Datatype	UINT16
Min. Value	
Default	9200 (0x23F0)
Max. Value	
Unit	0,1 V
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.8 9006:08 DC link min voltage

Minimal DC link voltage for device to be ready to operate.

Description	Value
Index	0x9006 (Device)
Subindex	0x08
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	0,1 V
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.9 9006:09 Brake chopper switchOn threshold voltage

Voltage threshold, above which the brake chopper is switched on. Calculated as DC link max voltage (8000:01) - 55V, when 8000:01 higher than 100V. Or as 8000:01 - 10V, when lower/equal 100V.

Description	Value
Index	0x9006 (Device)
Subindex	0x09
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	0,1 V
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.10 9006:0A Brake chopper switchOff threshold voltage

Voltage threshold, below which the brake chopper is switched off. Calculated as DC link max voltage (8000:01) - 75V, when 8000:01 higher than 100V. Or as 8000:01 - 20V, when lower/equal 100V.

Description	Value
Index	0x9006 (Device)
Subindex	0x0A
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	0,1 V
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.11 9006:0B Mains voltage max threshold

Maximal RMS-value of mains voltage. Above this value the error Mains overvoltage is set.Calculated as mains voltage (8000:06) x 1.2. Or as 8000:06 x (1 + 8000:07/100), when the mains voltage max tolerance (8000:07) higher than 20%.

Description	Value
Index	0x9006 (Device)
Subindex	0x0B
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	0,1 V
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.12 9006:0C Mains voltage min threshold

Minimal RMS-value of mains voltage. Calculated as mains voltage (8000:06) x 0.7. Or as 8000:06 x (1 - 8000:08/100), when the mains voltage min tolerance (8000:08) higher than 30%.

Description	Value
Index	0x9006 (Device)
Subindex	0x0C
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	0,1 V
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.13 9006:0D Internal brake resistor time constant 1

Description	Value
Index	0x9006 (Device)
Subindex	0x0D
Datatype	REAL32
Min. Value	
Default	0.0
Max. Value	
Unit	s
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.14 9006:0E Internal brake resistor time constant 2

Description	Value
Index	0x9006 (Device)
Subindex	0x0E
Datatype	REAL32
Min. Value	
Default	0.0
Max. Value	
Unit	s
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.32.15 9006:0F Internal brake resistor partial fraction factor

Description	Value
Index	0x9006 (Device)
Subindex	0x0F
Datatype	REAL32
Min. Value	
Default	0.0
Max. Value	
Unit	%
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.33 9007:x PSM Pcb ids Pcb id 3

Description	Value
Index	0x9007 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	26 (0x1A)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.33.1 9007:01 Structure version

Description	Value
Index	0x9007 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.2 9007:02 Manufacturing date

Description	Value
Index	0x9007 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.3 9007:03 HwId reserve

Description	Value
Index	0x9007 (Device)
Subindex	0x03
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.4 9007:04 HwId Hardware type

Description	Value
Index	0x9007 (Device)
Subindex	0x04
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.5 9007:05 HwId Feature flags

Description	Value
Index	0x9007 (Device)
Subindex	0x05
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.6 9007:06 HwId Supplier

Description	Value
Index	0x9007 (Device)
Subindex	0x06
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.7 9007:07 HwId Component type

Description	Value
Index	0x9007 (Device)
Subindex	0x07
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.8 9007:08 HwId reserve 2

Description	Value
Index	0x9007 (Device)
Subindex	0x08
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.9 9007:09 HwId Hardware index

Description	Value
Index	0x9007 (Device)
Subindex	0x09
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.10 9007:0A HwId Pcb revision

Description	Value
Index	0x9007 (Device)
Subindex	0x0A
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.11 9007:0B HwId Pcb type

Description	Value
Index	0x9007 (Device)
Subindex	0x0B
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.12 9007:0C HwId Supported no of channels

Description	Value
Index	0x9007 (Device)
Subindex	0x0C
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.13 9007:0D HwId Firmware index

Description	Value
Index	0x9007 (Device)
Subindex	0x0D
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.14 9007:0F DMC 1

Description	Value
Index	0x9007 (Device)
Subindex	0x0F
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.33.15 9007:10 DMC 2

Description	Value
Index	0x9007 (Device)
Subindex	0x10
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.16 9007:11 DMC 3

Description	Value
Index	0x9007 (Device)
Subindex	0x11
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.17 9007:12 DMC 4

Description	Value
Index	0x9007 (Device)
Subindex	0x12
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.18 9007:13 DMC 5

Description	Value
Index	0x9007 (Device)
Subindex	0x13
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.19 9007:14 DMC 6

Description	Value
Index	0x9007 (Device)
Subindex	0x14
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.20 9007:15 DMC 7

Description	Value
Index	0x9007 (Device)
Subindex	0x15
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.21 9007:16 DMC 8

Description	Value
Index	0x9007 (Device)
Subindex	0x16
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.22 9007:17 DMC 9

Description	Value
Index	0x9007 (Device)
Subindex	0x17
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.23 9007:18 DMC 10

Description	Value
Index	0x9007 (Device)
Subindex	0x18
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.33.24 9007:1A Checksum

Description	Value
Index	0x9007 (Device)
Subindex	0x1A
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.34 A000:x PSM Actual internal values

Description	Value
Index	0xA000 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	4 (0x04)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.34.1 A000:01 Operating time

Total time of device life, in which the device has been turned on.

Description	Value
Index	0xA000 (Device)
Subindex	0x01
Datatype	UINT32
Min. Value	
Default	0
Max. Value	
Unit	s
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.34.2 A000:02 Actual device temperature

Actual temperature of the heatsink.

Description	Value
Index	0xA000 (Device)
Subindex	0x02
Datatype	INT16
Min. Value	
Default	0
Max. Value	
Unit	0,1 °C
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.34.3 A000:03 Umains frequency

Measured frequency of mains voltage.

Description	Value
Index	0xA000 (Device)
Subindex	0x03
Datatype	UINT8
Min. Value	
Default	0
Max. Value	
Unit	Hz
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.34.4 A000:04 Mains type

Measured mains type.

Description	Value
Index	0xA000 (Device)
Subindex	0x04
Datatype	ENUM (UINT4)
Min. Value	
Default	AC 3 phases (0)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

Enum Value	Description
3 (0x03)	Not recognized
2 (0x02)	DC 1 phase
1 (0x01)	AC 1 phase
0 (0x00)	AC 3 phases

1.35 A001:x PSM Internal diagnostics

Description	Value
Index	0xA001 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	3 (0x03)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.35.1 A001:01 EtherCAT ISR overflow

Overflow in the EtherCAT interrupt routine happened. High active.

Description	Value
Index	0xA001 (Device)
Subindex	0x01
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.35.2 A001:02 User ISR overflow

Overflow in the user interrupt routine happened. High active.

Description	Value
Index	0xA001 (Device)
Subindex	0x02
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.35.3 A001:03 Main timeout

Timeout of the main routine happened. High active.

Description	Value
Index	0xA001 (Device)
Subindex	0x03
Datatype	BOOL
Min. Value	
Default	FALSE
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.36 A002:x PSM Diagnostics

Description	Value
Index	0xA002 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	1 (0x01)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.36.1 A002:01 Diagnostic number

This object shall provide the error code of the first error, which occurred in this power supply module.

Description	Value
Index	0xA002 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	0
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.37 F000:x Modular Device Profile

Description	Value
Index	0xF000 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	2 (0x02)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.37.1 F000:01 Index distance

Description	Value
Index	0xF000 (Device)
Subindex	0x01
Datatype	UINT16
Min. Value	
Default	16 (0x0010)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.37.2 F000:02 Maximum number of modules

Description	Value
Index	0xF000 (Device)
Subindex	0x02
Datatype	UINT16
Min. Value	
Default	1 (0x0001)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.38 F008 Code word

Description	Value
Index	0xF008 (Device)
Subindex	0x00
Datatype	UINT32
Min. Value	
Default	
Max. Value	
Unit	
Access / EtherCAT-State	Rw
PDO Mapping	
Revision	All

1.39 F010:x Module Profile List

Description	Value
Index	0xF010 (Device)
Subindex	0x00
Datatype	UINT8
Min. Value	
Default	1 (0x01)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

1.39.1 F010:01 SubIndex 001

Description	Value
Index	0xF010 (Device)
Subindex	0x01
Datatype	UINT32
Min. Value	
Default	960 (0x000003C0)
Max. Value	
Unit	
Access / EtherCAT-State	Ro
PDO Mapping	
Revision	All

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