KEB

Technische Info | Programming Note

Parameterliste F6/S6

Applikation/Kompakt/Pro Softwareversion 3.0

Originalanleitung

Dokument DE 00

Parameterliste

Die Beschreibung der Umrichterparameter beinhaltet folgenden Elemente:

Idx (sub)	Index in Hex (Sub-Index)
IDtxt	Parameterbezeichnung bestehend aus Gruppe und fortlaufender Nummerierung.
Name	Parametername, abhängig von der gewählten Sprache.
CAN	CAN-Open Typ
	V VAR
	ST Structure (bei Strukturen ist der Name der Struktur in der Zeile von Subindex 0 eingetragen
	A Array
Typ	Variablentyp des Parameters
Untergrenze	untere Begrenzung des Wertebereiches
Obergrenze	obere Begrenzung des Wertebereiches
Vorgabe	Standardwert
Multi	Multiplikator, mit dem der innere Wert multipliziert wird.
Div	Divisor, mit dem der innere Werte dividiert wird.
Unit	Einheit, die der ausgegebene Wert hat.
PD	Zeigt an, ob der Parameter für Prozessdaten zur Verfügung steht.
RO	Zeigt an, ob der Parameter ein Nur-Lese-Parameter ist.
E-OAD	Zeigt an, ob der Parameter bei Geräten mit nur einer Geberschnittstelle bei allen oder nur bei den angebenen Konfigigurations-Ids vorhanden ist.

ru-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
2C01h (0)	ru01	exception state	V	UINT8	---	---	---	1	1	---	X	X	X
2C02h (0)	ru02	warning bits	V	UINT32	---	---	---	1	1	---	X	X	X
2C03h (0)	ru03	warning state	V	UINT8	---	---	---	1	1	---	X	X	X
2C04h (0)	ru04	supply unit state	V	UINT8	---	---	---	1	1	---	X	X	X
2C05h (0)	ru05	set value display	V	INT32	---	---	---	1	8192	1/min	X	X	X
2C06h (0)	ru06	ramp out display	V	INT32	---	---	---	1	8192	1/min	X	X	X
2C07h (0)	ru07	act. frequency	V	INT32	---	---	---	1	8192	Hz	X	X	X
2C08h (0)	ru08	act. value	V	INT32	---	---	---	1	8192	1/min	X	X	X
2C09h (0)	ru09	act. encoder speed	V	INT32	---	---	---	1	8192	1/min	X	X	9309, 9310, 9312, 9314
2C0Ah (0)	ru10	act. apparent current	V	INT32	---	---	---	1	100	A	X	X	X

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	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
2C0Bh (0)	ru11	act. active current	V	INT32	---	---	---	1	100	A	X	X	X
2C0Ch (0)	ru12	act. reactive current	V	INT32	---	---	---	1	100	A	X	X	X
2C0Dh (0)	ru13	peak apparent current	V	INT32	-110000	110000	0	1	100	A	X	---	X
2C0Eh (0)	ru14	act. Uic voltage	V	UINT16	---	---	---	1	10	V	X	X	X
2C0Fh (0)	ru15	peak Uic voltage	V	UINT16	0	65535	0	1	10	V	X	---	X
2C10h (0)	ru16	act. output voltage	V	UINT16	---	---	---	1	10	V	X	X	X
2C11h (0)	ru17	modulation grade	V	UINT16	---	---	---	100	16384	%	X	X	X
2C12h (0)	ru18	dig. input state	V	UINT16	---	---	---	1	1	---	X	X	X
2C13h (0)	ru19	internal output state	V	UINT16	---	---	---	1	1	---	X	X	X
2C14h (0)	ru20	dig. output state	V	UINT16	---	---	---	1	1	---	X	X	X
2C15h (0)	ru21	dig. output flags	V	UINT16	---	---	---	1	1	---	X	X	X
2C17h (0)	ru23	reference torque	V	INT16	---	---	---	1	10	%	X	X	X
2C18h (0)	ru24	actual torque	V	INT16	---	---	---	1	10	%	X	X	X
2C19h (0)	ru25	heatsink temperature values	ST	UINT8	---	---	---	1	1	---	X	X	X
2C19h (1)	ru25	heatsink temperature 1	ST	INT16	---	---	---	1	10	°C	X	X	X
2C19h (2)	ru25	heatsink temperature 2	ST	INT16	---	---	---	1	10	°C	X	X	X
2C19h (3)	ru25	heatsink temperature 3	ST	INT16	---	---	---	1	10	°C	X	X	X
2C19h (4)	ru25	minimal distance to OH	ST	INT16	---	---	---	1	10	°C	X	X	X
2C1Ah (0)	ru26	internal temperature values	ST	UINT8	---	---	---	1	1	---	X	X	X
2C1Ah (1)	ru26	internal temperature PU 1	ST	INT16	---	---	---	1	10	°C	X	X	X
2C1Ah (2)	ru26	internal temperature PU 2	ST	INT16	---	---	---	1	10	°C	X	X	X
2C1Ah (3)	ru26	internal temperature PU 3	ST	INT16	---	---	---	1	10	°C	X	X	X
2C1Ah (4)	ru26	minimal distance to OHI	ST	INT16	---	---	---	1	10	°C	X	X	X
2C1Ah (5)	ru26	internal temperature CB	ST	INT16	---	---	---	1	10	°C	X	X	X
2C1Bh (0)	ru27	OL2 counter	V	UINT16	---	---	---	1	10	%	X	X	X
2C1Ch (0)	ru28	motor temperature	V	INT16	---	---	---	1	10	°C	X	X	X
2C1Dh (0)	ru29	OL counter	V	UINT16	---	---	---	1	10	%	X	X	X
2C1Eh (0)	ru30	internal communication state	V	UINT32	---	---	---	1	1	---	X	X	X
2C20h (0)	ru32	motor prot. counter	V	UINT16	---	---	---	1	10	%	X	X	X
2C21h (0)	ru33	position actual value	V	INT32	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2C22h (0)	ru34	act. torque lim. mot for	V	INT16	---	---	---	1	10	%	X	X	X
2C23h (0)	ru35	act. torque lim. mot rev	V	INT16	---	---	---	1	10	%	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
2C24h (0)	ru36	act. torque lim. gen for	V	INT16	---	---	---	1	10	%	X	X	X
2C25h (0)	ru37	act. torque lim. gen rev	V	INT16	---	---	---	1	10	%	X	X	X
2C26h (0)	ru38	position value before gear factor	ST	UINT8	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2C26h (1)	ru38	gearless position value	ST	UINT32	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2C26h (2)	ru38	gearless revolutions	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2C26h (3)	ru38	gearless position low	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2C29h (0)	ru41	dig. input terminal state	V	UINT16	---	---	---	1	1	---	X	X	X
2C2Ah (0)	ru42	AN1 value display	V	INT16	---	---	---	100	4096	%	X	X	X
2C2Bh (0)	ru43	AN1 after gain display	V	INT16	---	---	---	100	4096	%	X	X	X
2C2Ch (0)	ru44	AN2 value display	V	INT16	---	---	---	100	4096	%	X	X	X
2C2Dh (0)	ru45	AN2 after gain display	V	INT16	---	---	---	100	4096	%	X	X	X
2C2Eh (0)	ru46	AN3 value display	V	INT16	---	---	---	100	4096	%	X	X	9310, 9312, 9313, 9314, 9315
2C2Fh (0)	ru47	AN3 after gain display	V	INT16	---	---	---	100	4096	%	X	X	9310
2C30h (0)	ru48	analog REF display	V	INT16	---	---	---	100	4096	%	X	X	X
2C31h (0)	ru49	analog AUX display	V	INT16	---	---	---	100	4096	%	X	X	X
2C32h (0)	ru50	act. torque lim. pos.	V	INT16	---	---	---	1	10	%	X	X	X
2C33h (0)	ru51	act. torque lim. neg.	V	INT16	---	---	---	1	10	%	X	X	X
2C34h (0)	ru52	system date	V	UINT32	0	2147483647	0	1	1	*1	X	---	X
2C35h (0)	ru53	system time	V	UINT32	0	2147483647	0	1	1	*1	X	---	X
2C36h (0)	ru54	PID xd	V	INT16	---	---	---	100	4096	%	X	X	X
2C37h (0)	ru55	PID output value	V	INT16	---	---	---	100	4096	%	X	X	X
2C39h (0)	ru57	eff. motor load	V	UINT16	---	---	---	1	10	%	X	X	X
2C3Ah (0)	ru58	actual index	V	UINT8	---	---	---	1	1	---	X	X	X
2C3Fh (0)	ru63	Uic voltage at Power On	V	UINT16	---	---	---	1	10	V	X	X	X
2C48h (0)	ru72	act. switch. freq	V	UINT16	---	---	---	1	100	kHz	X	X	X
2C49h (0)	ru73	Imot/ImaxOl2	V	INT16	---	---	---	1	10	%	X	X	X
2C4Ah (0)	ru74	unfiltered flags state	V	UINT16	---	---	---	1	1	---	X	X	X
2C4Bh (0)	ru75	global drive state	V	UINT32	---	---	---	1	1	---	X	X	X
2C4Ch (0)	ru76	drive state	V	UINT32	---	---	---	1	1	---	X	X	X
2C4Dh (0)	ru77	internal temperature CB	V	INT16	---	---	---	1	10	°C	X	X	X
2C4Eh (0)	ru78	Analog Out display	V	INT32	---	---	---	25	8192	%	X	X	X

Parameterliste

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
2C50h (0)	ru80	relative load	V	UINT16	---	---	---	1	10	%	X	X	X
2C51h (0)	ru81	actual torque	V	INT32	---	---	---	1	1000	Nm	X	X	X
2C52h (0)	ru82	actual power/energy	ST	UINT8	---	---	---	1	1	---	X	X	X
2C52h (1)	ru82	mechanical power	ST	INT32	---	---	---	1	1000	kW	X	X	X
2C52h (2)	ru82	electrical output power	ST	INT32				1	1000	kW	X	X	X
2C52h (3)	ru82	electrical power loss	ST	INT32				1	1000	kW	X	X	X
2C52h (4)	ru82	out. energy mot.	ST	UINT32	0	2147483647	0	1	10	KWh	---	---	X
2C52h (5)	ru82	out. energy mot. volatile	ST	UINT32	0	2147483647	0	1	1000	KWh	X	---	X
2C52h (6)	ru82	out. energy gen.	ST	UINT32	0	2147483647	0	1	10	KWh	---	---	X
2C52h (7)	ru82	out. energy gen. volatile	ST	UINT32	0	2147483647	0	1	1000	KWh	X	---	X
2C53h (0)	ru83	diff. speed	A	UINT8	4	4	4	1	1	---	---	X	X
2C53h (1...4)	ru83	diff. speed	A	INT32	---	---	---	1	8192	1/min	X	X	X
2C54h (0)	ru84	ref value display	V	INT32	---	---	---	1	8192	1/min	X	X	X
2C55h (0)	ru85	actual speed PT1	V	INT32	---	---	---	1	8192	1/min	X	X	X
2C56h (0)	ru86	standard set speed	V	INT32	---	---	---	1	8192	1/min	X	X	X
2C57h (0)	ru87	ramp out value	V	INT32	---	---	---	1	8192	1/min	X	X	X
2C58h (0)	ru88	complete flags state	V	UINT16	---	---	---	1	1	---	X	X	X
2C59h (0)	ru89	timer value	A	UINT8	2	2	2	1	1	---	---	X	X
2C59h (1...2)	ru89	timer value	A	UINT32	---	---	---	1	1	---	X	X	X
2C5Ah (0)	ru90	sinus filter operation	ST	UINT8	---	---	---	1	1	---	X	X	X
2C5Ah (1)	ru90	motor active current	ST	INT32	---	---	---	1	100	A	X	X	X
2C5Ah (2)	ru90	motor reactive current	ST	INT32	---	---	---	1	100	A	X	X	X
2C5Ah (3)	ru90	motor current	ST	INT32	---	---	---	1	100	A	X	X	X
2C5Ah (4)	ru90	capacitor reactive current	ST	INT32	---	---	---	1	100	A	X	X	X
2C5Ah (5)	ru90	capacitor reference reactive current	ST	INT32	---	---	---	1	100	A	X	X	X
2C5Ah (6)	ru90	motor active current estimated	ST	INT32	---	---	---	1	100	A	X	X	X
2C5Ah (7)	ru90	motor reactive current estimated	ST	INT32	---	---	---	1	100	A	X	X	X
2C5Ah (8)	ru90	motor current estimated	ST	INT32	---	---	---	1	100	A	X	X	X
4C09h (0)	ru09	act. encoder speed B	V	INT32	---	---	---	1	8192	1/min	X	X	9309, 9310, 9312, 9314
4C21h (0)	ru33	position actual value B	V	INT32	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
4C26h (0)	ru38	position value before gear factor B	ST	UINT8	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4C26h (1)	ru38	gearless position value B	ST	UINT32	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4C26h (2)	ru38	gearless revolutions B	ST	UINT16				1	1	---	X	X	9309, 9310, 9312, 9314
4C26h (3)	ru38	gearless position low B	ST	UINT16				1	1	---	X	X	9309, 9310, 9312, 9314

de-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
2000h (0)	de00	device serial number	V	INT32	-1	2147483647	-1	1	1	---	---	---	X
2002h (0)	de02	device production info	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2003h (0)	de03	device type	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2004h (0)	de04	AB number	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2006h (0)	de06	customer number	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2008h (0)	de08	device configuration ID	V	UINT16	---	---	---	1	1	---	---	X	X
200Ah (0)	de10	operator cfg data	ST	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (1)	de10	idx start object	ST	INT32	0	2147483647	11265	1	1	---	---	---	9312, 9313, 9314, 9315
200Ah (2)	de10	supported baud rates	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (3)	de10	baud rate addr.	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (4)	de10	sw version addr.	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (5)	de10	sw date addr.	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (6)	de10	supported services 31-0	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (7)	de10	supported services 63-32	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (8)	de10	watchdog addr.	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (9)	de10	com mode	ST	UINT32	0	500000	0	1	1	---	---	---	9312, 9313, 9314, 9315
200Ah (10)	de10	Node Id object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (11)	de10	MAC address object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (12)	de10	IP address object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (13)	de10	IP subnet mask object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (14)	de10	IP gateway address object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (15)	de10	IP scan name object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (16)	de10	EoE IP address object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315

Parameterliste

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
200Ah (17)	de10	EoE IP subnet mask object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ah (18)	de10	EoE IP gateway address object	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
200Ch (0)	de12	ctrl serial number	V	INT32	-1	2147483647	-1	1	1	---	---	---	X
200Dh (0)	de13	ctrl hw type	V	UINT32	---	---	---	1	1	---	---	X	9310, 9312, 9313, 9314, 9315
200Eh (0)	de14	ctrl production info	V	UINT32	0	2147483647	0	1	1	---	---	---	X
200Fh (0)	de15	ctrl type	V	UINT32	---	---	---	1	1	---	---	X	X
2010h (0)	de16	ctrl software version	V	UINT32	---	---	---	1	1	---	---	X	X
2011h (0)	de17	ctrl software date	V	UINT32	---	---	---	1	1	---	---	X	X
2012h (0)	de18	fpga core version	V	UINT32	---	---	---	1	1	---	---	X	9309, 9310
2013h (0)	de19	fpga core date	V	UINT32	---	---	---	1	1	---	---	X	9309, 9310
2014h (0)	de20	M3 code state	V	UINT16	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2015h (0)	de21	file system	ST	UINT8	---	---	---	1	1	---	X	X	X
2015h (1)	de21	max bytes	ST	UINT32	---	---	---	1	1	---	X	X	X
2015h (2)	de21	used bytes	ST	UINT32	---	---	---	1	1	---	X	X	X
2015h (3)	de21	max files	ST	UINT32	---	---	---	1	1	---	X	X	X
2015h (4)	de21	used files	ST	UINT32	---	---	---	1	1	---	X	X	X
2018h (0)	de24	power software version	V	UINT32	---	---	---	1	1	---	---	X	9310, 9312, 9313, 9315
2019h (0)	de25	power software date	V	UINT32	---	---	---	1	1	---	---	X	9310, 9312, 9313, 9315
201Ah (0)	de26	saved inverter data ID	V	INT32	---	---	---	1	1	---	---	X	X
201Bh (0)	de27	inverter data ID	V	INT32	-1	2147483647	-1	1	1	---	---	---	X
201Ch (0)	de28	inverter rated current	V	UINT32	---	---	---	1	100	A	---	X	X
201Dh (0)	de29	inverter maximum current	V	UINT32	---	---	---	1	100	A	---	X	X
201Eh (0)	de30	inverter rated voltage	V	UINT16	---	---	---	1	10	V	---	X	X
201Fh (0)	de31	inverter maximum DC voltage	V	UINT16	---	---	---	1	10	V	---	X	X
2020h (0)	de32	inverter minimum DC voltage	V	UINT16	---	---	---	1	10	V	---	X	X
2021h (0)	de33	inverter rated switching frequency	V	UINT16	---	---	---	1	100	kHz	---	X	X
2022h (0)	de34	inverter maximum switching frequency	V	UINT16	---	---	---	1	100	kHz	---	X	X
2023h (0)	de35	inverter intermed. circuit capacity [uF]	V	UINT16	---	---	---	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2024h (0)	de36	braking transistor default level	V	UINT16	---	---	---	1	10	V	---	X	X
2025h (0)	de37	saved safety serial number	V	INT32	---	---	---	1	1	---	---	X	X
2026h (0)	de38	safety serial number	V	INT32	-1	2147483647	-1	1	1	---	---	---	X
2027h (0)	de39	saved safety type	V	INT32	---	---	---	1	1	---	---	X	X
2028h (0)	de40	safety production info	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2029h (0)	de41	safety type	V	INT32	-1	2147483647	-1	1	1	---	---	---	X
202Ah (0)	de42	safety software version	V	UINT32	---	---	---	1	1	---	---	X	X
202Bh (0)	de43	safety software date	V	UINT32	---	---	---	1	1	---	---	X	X
202Ch (0)	de44	KTY software version	V	UINT32	---	---	---	1	1	---	---	X	X
202Dh (0)	de45	KTY software date	V	UINT32	---	---	---	1	1	---	---	X	X
202Fh (0)	de47	service reset	V	UINT16	0	32767	0	1	1	---	---	---	X
2030h (0)	de48	m3 software version	V	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
2031h (0)	de49	m3 software date	V	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
2032h (0)	de50	fieldbus stack version	V	UINT32	---	---	---	1	1	---	---	X	9309, 9310
2033h (0)	de51	fieldbus stack date	V	UINT32				1	1	---	---	X	9309, 9310
2034h (0)	de52	enc interf software version	V	UINT32				1	1	---	---	X	9310, 9312, 9314
2035h (0)	de53	enc interf software date	V	UINT32				1	1	---	---	X	9310, 9312, 9314
2039h (0)	de57	OC filter value	V	UINT16	0	255	18	1	1	---	---	---	X
203Ah (0)	de58	adjust data control	V	UINT8	0	3	2	1	1	---	---	---	X
203Bh (0)	de59	Uic gain ctrl	V	INT16	0	32767	16384	1	1	---	---	---	X
203Ch (0)	de60	Iu gain ctrl	V	INT16	0	32767	16384	1	1	---	---	---	X
203Dh (0)	de61	Iv gain ctrl	V	INT16	0	32767	16384	1	1	---	---	---	X
203Eh (0)	de62	Iw gain ctrl	V	INT16	0	32767	16384	1	1	---	---	---	X
2042h (0)	de66	Uic offset ctrl	V	INT16	-16384	16384	0	1	1	---	---	---	X
2043h (0)	de67	Iu offset ctrl	V	INT16	-16384	16384	0	1	1	---	---	---	X
2044h (0)	de68	Iv offset ctrl	V	INT16	-16384	16384	0	1	1	---	---	---	X
2045h (0)	de69	Iw offset ctrl	V	INT16	-16384	16384	0	1	1	---	---	---	X
2047h (0)	de71	Fact_2V5	V	UINT16	31130	34406	32768	1	1	---	---	---	9310
2048h (0)	de72	Fact_3V3	V	UINT16	31130	34406	32768	1	1	---	---	---	9310, 9312, 9313, 9314, 9315
2049h (0)	de73	Fact_5V	V	UINT16	31130	34406	32768	1	1	---	---	---	9310, 9312, 9313, 9314, 9315

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
204Ah (0)	de74	AnOut gain	V	INT16	0	32767	16384	1	1	---	---	---	X
204Bh (0)	de75	Fact_pOC_Lim	V	UINT16	31130	34406	32768	1	1	---	---	---	9310
204Ch (0)	de76	Fact_nOC_Lim	V	UINT16	31130	34406	32768	1	1	---	---	---	9310
2050h (0)	de80	additional inverter data	ST	UINT8				1	1	---	---	X	X
2050h (1)	de80	current scale value	ST	UINT32				1	10000	A	---	X	X
2050h (2)	de80	power unit data format	ST	UINT8	---	---	---	1	1	---	---	X	X
2050h (3)	de80	GTR7 availability	ST	UINT32	0	50000000	0	1	1	---	---	---	X
2050h (4)	de80	ChecksumLong	ST	UINT32	---	---	---	1	1	---	---	X	X
2050h (5)	de80	analog PU ID	ST	UINT16	---	---	---	1	1	---	---	X	X
2050h (6)	de80	PU data check status	ST	UINT8	---	---	---	1	1	---	---	X	X
2050h (7)	de80	default UDiode	ST	UINT16	0	65535	0	1	100	V	---	---	X
2050h (8)	de80	default dt tDelay [ns]	ST	INT16	-30000	30000	0	1	1	---	---	---	X
2050h (9)	de80	default dt capacity [nF]	ST	UINT16	0	65535	0	1	100	---	---	---	X
2050h (10)	de80	OL2 reference current	ST	UINT32				1	10000	A	---	X	X
2053h (0)	de83	resistor data version	V	UINT32	0	2147483647	0	1	1	---	---	---	9310, 9312, 9313
2054h (0)	de84	therm. model param.	A	UINT8	30	30	30	1	1	---	---	X	9310, 9312, 9313
2054h (1...30)	de84	therm. model param.	A	INT32	-2147483648	2147483647	0	1	1	---	---	---	9310, 9312, 9313
2056h (0)	de86	built-in brake resistor	ST	UINT8				1	1	---	---	X	9310, 9312, 9313
2056h (1)	de86	total resistor value	ST	UINT32	0	200000	0	1	100	Ω	---	---	9310, 9312, 9313
2056h (2)	de86	resistor ID	ST	UINT32	0	50000000	0	1	1	---	---	---	9310, 9312, 9313
2056h (3)	de86	single resistor value	ST	UINT32				1	100	Ω	---	X	9310, 9312, 9313
2056h (4)	de86	module count	ST	UINT8	0	255	0	1	1	---	---	---	9310, 9312, 9313
2056h (5)	de86	max. temperature error level	ST	UINT16	4000	10000	8000	1	10	°C	---	---	9310, 9312, 9313
2056h (6)	de86	default temperature warning level	ST	UINT16	4000	10000	7000	1	10	°C	---	---	9310, 9312, 9313
2058h (0)	de88	AN1 +/-10V pos gain	V	INT16	0	32767	20480	1	1	---	---	---	X
2059h (0)	de89	AN1 +/-10V neg gain	V	INT16	0	32767	20480	1	1	---	---	---	X
205Ah (0)	de90	AN2 +/-10V pos gain	V	INT16	0	32767	20480	1	1	---	---	---	X
205Bh (0)	de91	AN2 +/-10V neg gain	V	INT16	0	32767	20480	1	1	---	---	---	X
205Ch (0)	de92	AN1 +/-20mA pos gain	V	INT16	0	32767	21558	1	1	---	---	---	X
205Dh (0)	de93	AN1 +/-20mA neg gain	V	INT16	0	32767	21558	1	1	---	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
205Eh (0)	de94	AN2 +/-20mA pos gain	V	INT16	0	32767	21558	1	1	---	---	---	X
205Fh (0)	de95	AN2 +/-20mA neg gain	V	INT16	0	32767	21558	1	1	---	---	---	X
2060h (0)	de96	AN1 +/-10V offset	V	INT16	-16384	16384	0	1	1	---	---	---	X
2061h (0)	de97	AN2 +/-10V offset	V	INT16	-16384	16384	0	1	1	---	---	---	X
2062h (0)	de98	AN1 +/-20mA offset	V	INT16	-16384	16384	0	1	1	---	---	---	X
2063h (0)	de99	AN2 +/-20mA offset	V	INT16	-16384	16384	0	1	1	---	---	---	X
2064h (0)	de100	hour counter	V	UINT32				1	3600	h	---	X	X
2065h (0)	de101	mod hour counter	V	UINT32				1	3600	h	---	X	X
2066h (0)	de102	OC error count	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2067h (0)	de103	OL error count	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2068h (0)	de104	OP error count	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2069h (0)	de105	OH error count	V	UINT32	0	2147483647	0	1	1	---	---	---	X
206Ah (0)	de106	OHI error count	V	UINT32	0	2147483647	0	1	1	---	---	---	X
206Bh (0)	de107	get MD5 hash	V	UINT8	0	1	0	1	1	---	---	---	X
206Ch (0)	de108	MD5 hash	A	UINT8	4	4	4	1	1	---	---	X	X
206Ch (1...4)	de108	MD5 hash	A	UINT32				1	1	---	X	X	
206Dh (0)	de109	exclusions from MD5	V	UINT32	0	7	0	1	1	---	X	---	X
206Eh (0)	de110	OP2 error count	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2070h (0)	de112	AN3 10V pos gain	V	INT16	0	32767	9057	1	1	---	---	---	9312, 9313, 9314, 9315
2071h (0)	de113	reserved	V	INT16	0	32767	16384	1	1	---	---	---	9310

Parameterliste

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2072h (0)	de1114	AN3 offset	V	INT16	-16384	16384	0	1	1	---	---	---	9310, 9312, 9313, 9314, 9315
2073h (0)	de1115	global drive status mask	V	UINT32	0	2147483647	-1	1	1	---	---	---	X
2074h (0)	de1116	cooling fan HS level	V	INT16	-1	900	0	1	10	°C	X	---	9309
2075h (0)	de1117	cooling fan ID level	V	INT16	-1	900	0	1	10	°C	X	---	9309
2076h (0)	de1118	service fan control	V	INT16	0	2	0	1	1	---	---	---	X
2077h (0)	de1119	hardware test mode	V	UINT32	0	1	0	1	1	---	---	---	X
2078h (0)	de1120	max output frequency	V	UINT32				1	1	Hz	X	X	X
2079h (0)	de1121	internal service	V	INT32	-2147483647	2147483647	0	1	1	---	---	---	X
207Ah (0)	de1122	firmware update	V	INT8	0	1	0	1	1	---	---	---	X
207Bh (0)	de1123	IEC UL switch	V	UINT16	0	7	0	1	1	---	---	---	9312, 9313, 9314, 9315

st-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2100h (0)	st00	(CiA 0x6041) statusword	V	UINT16	---	---	---	1	1	---	X	X	X
2101h (0)	st01	(CiA 0x603F) error code	V	UINT16	---	---	---	1	1	---	X	X	X
2102h (0)	st02	(CiA 0x6061) modes of operation display	V	INT8	---	---	---	1	1	---	X	X	X
2103h (0)	st03	(CiA 0x6043) vl velocity demand	V	INT32	---	---	---	1	1	1/min	X	X	X
2104h (0)	st04	brake ctrl status	V	UINT16	---	---	---	1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
210Ch (0)	st12	state machine display	V	UINT16	---	---	---	1	1	---	X	X	X
210Dh (0)	st13	state and error display	V	UINT16	---	---	---	1	1	---	X	X	X
210Eh (0)	st14	active controlword	V	UINT16	---	---	---	1	1	---	X	X	X
210Fh (0)	st15	combined controlword	V	UINT16	---	---	---	1	1	---	X	X	X
2120h (0)	st32	(CiA 0x606C) velocity actual va-lue	V	INT32	---	---	---	1	1	---	X	X	X
2121h (0)	st33	(CiA 0x6064) position actual va-lue	V	INT32	---	---	---	1	1	---	X	X	X
2122h (0)	st34	(CiA 0x6077) torque actual value	V	INT16	---	---	---	1	1	---	X	X	X
2123h (0)	st35	system counter	V	UINT32	---	---	---	1	1	---	X	X	X
2124h (0)	st36	(CiA 0x60F4) following error ac-tual value	V	INT32	---	---	---	1	1	---	X	X	X
2125h (0)	st37	(CiA 0x6062) position demand value	V	INT32				1	1	---	X	X	X
2130h (0)	st48	rho actual value	V	INT16				1	1	---	X	X	X

dr-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2200h (0)	dr00	motor type	V	UINT8	0	4	0	1	1	---	---	---	X
2201h (0)	dr01	motor part number	A	UINT8	11	11	11	1	1	---	---	X	X
2201h (1...11)	dr01	motor part number		UINT8	0	255	0	1	1	---	---	---	X
2202h (0)	dr02	motordata state	V	UINT8				1	1	---	---	X	X
2203h (0)	dr03	rated current	V	UINT32	1	110000	300	1	100	A	---	---	X
2204h (0)	dr04	rated speed	V	UINT32	1	8192000	90880	1	64	1/min	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2205h (0)	dr05	rated voltage	V	UINT16	10	830	400	1	1	V	---	---	X
2206h (0)	dr06	rated frequency	V	UINT32	1	3200000	50000	1	1000	Hz	---	---	X
2207h (0)	dr07	ASM rated cos(phi)	V	UINT8	1	100	86	1	100	---	---	---	X
2208h (0)	dr08	magnetising current %	V	UINT16	0	1000	0	1	10	%	---	---	X
2209h (0)	dr09	rated torque	V	UINT32	0	128000000	5000	1	1000	Nm	---	---	X
220Bh (0)	dr11	max. torque %	V	UINT16	0	60000	3000	1	10	%	---	---	X
220Ch (0)	dr12	max. current %	V	UINT16	10	60000	3000	1	10	%	---	---	X
220Dh (0)	dr13	breakdown torque %	V	UINT16	0	60000	1500	1	10	%	---	---	X
220Eh (0)	dr14	SM EMF [Vpk/(1000min-1)]	V	UINT32	0	60000000	110000	1	1000	---	---	---	X
220Fh (0)	dr15	SM inductance q-axis UV	V	UINT32	1	6000000	100000	1	1000	mH	---	---	X
2210h (0)	dr16	SM inductance d-axis %	V	UINT16	1	10000	1000	1	10	%	---	---	X
2211h (0)	dr17	stator resistance UV	V	UINT32	1	2500000	30000	1	10000	Ω	---	---	X
2212h (0)	dr18	ASM rotor resist. UV %	V	UINT16	1	6000	1000	1	10	%	---	---	X
2213h (0)	dr19	ASM head inductance UV	V	UINT32	1	6000000	64000	1	1000	mH	---	---	X
2215h (0)	dr21	ASM sigma stator ind. UV	V	UINT32	1	6000000	3200	1	1000	mH	---	---	X
2216h (0)	dr22	ASM sigma rotor ind. %	V	UINT16	1	10000	1000	1	10	%	---	---	X
2219h (0)	dr25	breakdown speed %	V	UINT16	1	10000	1000	1	10	%	---	---	X
221Ch (0)	dr28	Uic reference voltage	V	UINT16	10	830	565	1	1	V	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
221Dh (0)	dr29	max. id current fct. [Imax]	V	UINT16	0	1000	1000	1	1000	---	---	---	X
221Eh (0)	dr30	user drive temp. sensor def.	ST	UINT8				1	1	---	---	X	X
221Eh (1)	dr30	temp value 1	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (2)	dr30	temp value 2	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (3)	dr30	temp value 3	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (4)	dr30	temp value 4	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (5)	dr30	temp value 5	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (6)	dr30	temp value 6	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (7)	dr30	temp value 7	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (8)	dr30	temp value 8	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (9)	dr30	temp value 9	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (10)	dr30	temp value 10	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (11)	dr30	temp value 11	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (12)	dr30	temp value 12	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (13)	dr30	temp value 13	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (14)	dr30	temp value 14	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (15)	dr30	temp value 15	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (16)	dr30	temp value 16	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (17)	dr30	temp value 17	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (18)	dr30	temp value 18	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (19)	dr30	temp value 19	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (20)	dr30	temp value 20	ST	INT16	-999	999	0	1	1	°C	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
221Eh (21)	dr30	temp value 21	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (22)	dr30	temp value 22	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (23)	dr30	temp value 23	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (24)	dr30	temp value 24	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (25)	dr30	temp value 25	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (26)	dr30	temp value 26	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (27)	dr30	temp value 27	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (28)	dr30	temp value 28	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (29)	dr30	temp value 29	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (30)	dr30	temp value 30	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (31)	dr30	temp value 31	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (32)	dr30	temp value 32	ST	INT16	-999	999	0	1	1	°C	---	---	X
221Eh (33)	dr30	R min	ST	INT16	0	32767	0	1	1	Ω	---	---	X
221Eh (34)	dr30	R max	ST	INT16	0	32767	1800	1	1	Ω	---	---	X
221Eh (35)	dr30	short circuit level	ST	INT16	0	32767	100	1	1	Ω	---	---	X
221Eh (36)	dr30	no connection level	ST	INT16	0	32767	1700	1	1	Ω	---	---	X
221Eh (37)	dr30	act. calc. resistance (R)	ST	INT16				1	1	Ω	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
221Eh (38)	dr30	Rv	ST	INT16				1	1	Ω	---	X	X
2220h (0)	dr32	inertia motor (kg*cm^2)	V	UINT32	0	2000000000	200	1	100	---	---	---	X
2221h (0)	dr33	motor temp sensor type	V	UINT8	0	5	0	1	1	---	---	---	X
2222h (0)	dr34	motorprotection curr. %	V	UINT16	1	10000	1000	1	10	%	---	---	X
2223h (0)	dr35	SM prot.time min. Is/Id	V	UINT8	1	255	2	1	10	s	---	---	X
2224h (0)	dr36	SM prot.time Imax	V	UINT8	1	255	2	1	10	s	---	---	X
2225h (0)	dr37	SM prot.recovery time	V	UINT16	1	6000	5	1	10	s	---	---	X
2226h (0)	dr38	SM prot. min. Is/Id	V	UINT16	1	5000	1500	1	10	%	---	---	X
2227h (0)	dr39	ASM prot. mode	V	UINT8	0	1	0	1	1	---	---	---	X
222Ch (0)	dr44	speed (Lh/EMF ident.) %	V	UINT16	0	10000	650	1	10	%	---	---	X
222Dh (0)	dr45	ASM u/f boost	V	UINT16	0	16384	328	100	16384	%	---	---	X
222Eh (0)	dr46	ASM u/f V1	V	UINT16	0	16384	0	100	16384	%	---	---	X
222Fh (0)	dr47	ASM u/f F1	V	UINT32	0	3200000	0	1	1000	Hz	---	---	X
2230h (0)	dr48	u/f characteristic mode	V	UINT8	0	1	0	1	1	Hz	---	---	X
2231h (0)	dr49	sinus filter ind. UV	V	UINT32	0	6000000	1	1	1000	mH	---	---	X
2232h (0)	dr50	sinus filter cap. UV high res. [uF]	V	UINT32	0	6553500	0	1	1000	---	---	---	X
2233h (0)	dr51	sinus filter resistance UV	V	UINT32	0	2500000	1	1	10000	Ω	---	---	X
2234h (0)	dr52	sinus filter cap. UV [uF]	V	UINT16	0	65535	0	1	10	---	---	---	X
2235h (0)	dr53	sinus filt. min. switch. freq.	V	UINT16	0	65535	0	1	100	kHz	---	---	X
2236h (0)	dr54	ident	V	UINT16	0	47	0	1	1	---	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2237h (0)	dr55	ident state	V	UINT16				1	1	---	X	X	X
2238h (0)	dr56	ident Ls/sigma curr. (ampl. mod.)	V	UINT16	1	10000	1000	1	10	%	---	---	X
2239h (0)	dr57	ident error info	V	UINT16				1	1	---	X	X	X
2240h (0)	dr64	bp filter critical freq. calc.	V	UINT16				1	10	kHz	---	X	X
2241h (0)	dr65	bp filter frequency set	V	UINT16	0	65535	0	1	10	kHz	---	---	X
2242h (0)	dr66	bp filter q-factor	V	UINT16	0	10	5	1	10	---	---	---	X
2263h (0)	dr99	motordata control	V	UINT8	0	2	0	1	1	---	---	---	X

vl-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2304h (0)	vl04	vl velocity min amount for	V	UINT32	0	128000	0	1	1	1/min	---	---	X
2305h (0)	vl05	vl velocity max amount for	V	UINT32	0	128000	2000	1	1	1/min	---	---	X
2306h (0)	vl06	vl velocity min amount rev	V	UINT32	0	128000	0	1	1	1/min	---	---	X
2307h (0)	vl07	vl velocity max amount rev	V	UINT32	0	128000	2000	1	1	1/min	---	---	X
2314h (0)	vl20	(CiA 0x6042) vl target velocity	V	INT32	-128000	128000	0	1	1	1/min	X	---	X
2315h (0)	vl21	target velocity high res	V	INT32	-1048576000	1048576000	0	1	8192	1/min	X	---	X
2316h (0)	vl22	external target velocity	V	INT32				1	8192	1/min	X	X	X
2329h (0)	vl41	vl velocity actual limit for	V	INT32				1	1	1/min	X	X	X
232Ah (0)	vl42	vl velocity actual limit rev	V	INT32				1	1	1/min	X	X	X

ds-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2400h (0)	ds00	KP current q-axis [V/A]	V	UINT32	0	2147483647	1	1	10000	---	---	---	X
2401h (0)	ds01	Tn current q-axis	V	UINT32	0	2147483647	1	1	1000	ms	---	---	X
2402h (0)	ds02	KP current d-axis [V/A]	V	UINT32	0	2147483647	1	1	10000	---	---	---	X
2403h (0)	ds03	Tn current d-axis	V	UINT32	0	2147483647	1	1	1000	ms	---	---	X
2404h (0)	ds04	current mode	V	UINT16	0	16383	9265	1	1	---	---	---	X
2405h (0)	ds05	omega mech. precontrol time	V	UINT16	0	60000	2000	1	1000	ms	---	---	X
2406h (0)	ds06	omega decoupling time	V	UINT16	0	60000	0	1	1000	ms	---	---	X
2407h (0)	ds07	observer factor	V	UINT16	0	600	50	1	10	%	---	---	X
2408h (0)	ds08	deviation control time	V	UINT16	0	60000	2000	1	1000	ms	---	---	X
2409h (0)	ds09	bp filter coeff. index	V	UINT8	0	8	0	1	1	---	X	---	X
240Ah (0)	ds10	bp filter coeff. value	V	INT32	-131068	131068	131068	1	1	---	X	---	X
240Bh (0)	ds11	torque mode	V	UINT16	0	63	1	1	1	---	---	---	X
240Ch (0)	ds12	adaption mode	V	UINT16	0	63	0	1	1	---	---	---	X
240Dh (0)	ds13	torquelimit curve factor	V	UINT16	1	16000	1000	1	10	%	---	---	X
240Eh (0)	ds14	current ctrl. factor	V	UINT16	1	8000	1000	1	10	%	X	---	X
240Fh (0)	ds15	dyn dec curr. ctrl. factor	V	UINT16	1	1000	100	1	10	%	---	---	X
2410h (0)	ds16	anti windup speed level	V	UINT16	0	3999	0	1	10	%	---	---	X
2411h (0)	ds17	bp filter coeff.	A	UINT8	9	9	9	1	1	---	---	X	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2411h (1...9)	ds17			INT32	-131068	131068	131068	1	1	---	X	---	X
2412h (0)	ds18	Rs model stabilisation	ST	UINT8				1	1	---	---	X	X
2412h (1)	ds18	Rs model stabilisation mode	ST	UINT16	0	3	0	1	1	---	---	---	X
2412h (2)	ds18	Rs adaption high limit	ST	UINT16	0	2000	1400	1	10	%	---	---	X
2412h (3)	ds18	Rs adaption low limit	ST	UINT16	0	2000	800	1	10	%	---	---	X
2412h (4)	ds18	Rs adaption factor	ST	UINT16	0	2000	800	1	10	%	---	---	X
241Bh (0)	ds27	(A)SCL time speed calc.	V	UINT16	0	65535	250	1	1000	ms	---	---	X
241Ch (0)	ds28	(A)SCL filter speed calc.	V	UINT16	0	65535	2000	1	1000	ms	---	---	X
241Eh (0)	ds30	model mode	V	UINT16	0	63	3	1	1	---	---	---	X
241Fh (0)	ds31	SynRM nest optimisation fct.	V	UINT8	19	100	25	1	10	---	---	---	X
2420h (0)	ds32	SCL stab.term speed	V	UINT16	0	3999	200	1	10	%	---	---	X
2421h (0)	ds33	SCL stab.term time	V	UINT32	0	2147483647	1000	1	1000	ms	---	---	X
2422h (0)	ds34	stab term max. torque	V	UINT16	0	8000	0	1	10	%	---	---	X
2423h (0)	ds35	SCL stabilisation current	V	INT16	-8000	8000	500	1	10	%	---	---	X
2424h (0)	ds36	min speed for stab.curr.	V	UINT16	0	3999	50	1	10	%	---	---	X
2425h (0)	ds37	max speed for stab.curr.	V	UINT16	0	3999	100	1	10	%	---	---	X
2426h (0)	ds38	SCL standstill current	V	UINT16	0	8000	1000	1	10	%	---	---	X
2429h (0)	ds41	model ctrl	V	UINT16	0	1023	8	1	1	---	---	---	X
242Ah (0)	ds42	model ctrl. ref. speed time	V	UINT16	0	60000	200	1	1	ms	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
242Bh (0)	ds43	model ctrl. act. speed time	V	UINT16	0	60000	200	1	1	ms	---	---	X
242Eh (0)	ds46	model ctrl. act. speed level	V	UINT16	0	60000	1000	1	10	%	---	---	X
242Fh (0)	ds47	model ctrl. act. speed hyst.	V	UINT16	0	3999	200	1	10	%	---	---	X
2430h (0)	ds48	model ctrl min. acc/dec [s-2]	V	UINT32	0	1747626666	10000	1	100	---	---	---	X
2437h (0)	ds55	lsd offset	V	INT16	-8000	8000	0	1	10	%	---	---	X
243Ch (0)	ds60	protection function	ST	UINT8				1	1	---	---	X	X
243Ch (1)	ds60	u/f current limit ctrl mode	ST	UINT16	0	7	0	1	1	---	---	---	X
243Ch (2)	ds60	ramp stopping mode	ST	UINT16	0	31	0	1	1	---	---	---	X
243Ch (3)	ds60	LD-U stop voltage level	ST	UINT16	0	15000	7800	1	10	V	---	---	X
243Ch (4)	ds60	LAD-I KI [1/As]	ST	UINT32	0	2147483647	10000	1	1000	---	---	---	X
243Ch (5)	ds60	LAD-I KDI [1/As]	ST	UINT32	0	2147483647	10000	1	1000	---	---	---	X
243Ch (6)	ds60	LD-U KI [1/Vs]	ST	UINT32	0	2147483647	10000	1	1000	---	---	---	X
243Ch (7)	ds60	LD-U KDI [1/Vs]	ST	UINT32	0	2147483647	10000	1	1000	---	---	---	X
243Dh (0)	ds61	DC braking source	V	UINT16	0	65535	0	1	1	---	X	---	X
243Eh (0)	ds62	DC braking	ST	UINT8				1	1	---	---	X	X
243Eh (1)	ds62	braking mode	ST	UINT32	0	5265	0	1	1	---	---	---	X
243Eh (2)	ds62	timing mode	ST	UINT16	0	31	0	1	1	---	---	---	X
243Eh (3)	ds62	modulation off time	ST	UINT16				1	100	s	---	X	X
243Eh (4)	ds62	max.DC current [%In]	ST	UINT16	0	10000	1000	1	10	%	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
243Eh (5)	ds62	DC boost [%Un]	ST	UINT16	0	16384	4096	100	16384	%	---	---	X
243Eh (6)	ds62	braking time	ST	UINT16	0	60000	100	1	100	s	---	---	X
243Eh (7)	ds62	braking speed level [%Nn]	ST	UINT16	0	1000	20	1	10	%	---	---	X
243Eh (8)	ds62	braking state	ST	UINT8				1	1	---	X	X	X
243Fh (0)	ds63	ASiCL ctrl. mode	ST	UINT8				1	1	---	---	X	X
243Fh (1)	ds63	ASiCL curr. ctrl IsqPt1	ST	UINT16	0	60000	20	1	1	ms	---	---	X
243Fh (2)	ds63	ASiCL slip calculation IsqPt1	ST	UINT16	0	60000	200	1	1	ms	---	---	X
243Fh (3)	ds63	ASiCL curr.ctrl. delay at zero	ST	UINT16	0	60000	200	1	1	ms	---	---	X
243Fh (4)	ds63	ASiCL Rs model stabilisation mode	ST	UINT16	0	3	1	1	1	---	---	---	X
243Fh (5)	ds63	ASiCL Rs adaption high limit	ST	UINT16	0	2000	1200	1	10	%	---	---	X
243Fh (6)	ds63	ASiCL Rs adaption low limit	ST	UINT16	0	2000	800	1	10	%	---	---	X
243Fh (7)	ds63	ASiCL Rs adaption factor	ST	UINT16	0	2000	800	1	10	%	---	---	X

co-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2500h (0)	co00	(CiA 0x6040) controlword	V	UINT16	0	65535	0	1	1	---	X	---	X
2501h (0)	co01	(CiA 0x6060) modes of operation	V	INT8	-2	10	2	1	1	---	X	---	X
2502h (0)	co02	velocity shift factor	V	UINT8	0	13	10	1	1	---	---	---	X
2503h (0)	co03	position rot.scale (bit)	V	UINT16	2	30	16	1	1	---	X	---	X
2504h (0)	co04	position source	V	UINT8	0	2	0	1	1	---	X	---	X
2505h (0)	co05	speed control source	V	UINT8	0	1	0	1	1	---	---	---	X
2506h (0)	co06	system inversion	V	UINT8	0	2	0	1	1	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2507h (0)	co07	non volatile memory state	V	UINT8	0	1	0	1	1	---	---	---	X
2508h (0)	co08	reset options	V	UINT8	0	3	0	1	1	---	---	---	X
2509h (0)	co09	reset ctrl	V	UINT16	0	1	0	1	1	---	---	---	X
250Ah (0)	co10	position interpolator	V	UINT8	0	31	4	1	1	---	---	---	X
250Bh (0)	co11	velocity interpolator	V	UINT8	0	31	4	1	1	---	---	---	X
250Ch (0)	co12	torque interpolator	V	UINT8	0	31	0	1	1	---	---	---	X
250Dh (0)	co13	pos. pre control	V	UINT32	0	150000	0	1	1	µs	X	---	X
250Fh (0)	co15	(CiA 0x6071) target torque	V	INT16	-32767	32767	0	1	1	---	X	---	X
2510h (0)	co16	(CiA 0x60FF) target velocity	V	INT32	-2147483647	2147483647	0	1	1	---	X	---	X
2511h (0)	co17	(CiA 0x60B1) velocity offset	V	INT32	-2147483647	2147483647	0	1	1	---	X	---	X
2512h (0)	co18	(CiA 0x60B2) torque offset	V	INT16	-32767	32767	0	1	1	---	X	---	X
2513h (0)	co19	(CiA 0x607A) target position	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
2514h (0)	co20	internal pretorque fact	V	UINT32	0	655360	65536	25	16384	%	X	---	X
2515h (0)	co21	brake ctrl mode	V	UINT16	0	2047	16	1	1	---	---	---	X
2516h (0)	co22	brake ctrl open delay	V	UINT16	0	10000	0	1	1	ms	---	---	X
2517h (0)	co23	brake ctrl open time	V	UINT16	0	10000	0	1	1	ms	---	---	X
2518h (0)	co24	brake ctrl closing delay	V	UINT16	0	10000	0	1	1	ms	---	---	X
2519h (0)	co25	brake ctrl closing time	V	UINT16	0	10000	0	1	1	ms	---	---	X
251Ah (0)	co26	brake ctrl	ST	UINT8				1	1	---	---	X	X
251Ah (1)	co26	start speed	ST	INT32	-128000	128000	0	1	1	1/min	X	---	X
251Ah (2)	co26	stop speed	ST	INT32	-128000	128000	0	1	1	1/min	X	---	X
251Ah (3)	co26	pre torque setting	ST	INT16	-32767	32767	0	1	1	---	X	---	X
251Ah (4)	co26	speed ctrl (KI) adaption	ST	UINT32	0	100000	1000	1	10	%	X	---	X
251Ah (5)	co26	fadeout reducing time	ST	UINT16	0	10000	0	1	1	ms	---	---	X
251Ah (6)	co26	fadeout zero time	ST	UINT16	0	10000	0	1	1	ms	---	---	X
251Bh (0)	co27	phase check ctrl	ST	UINT8				1	1	---	X	X	X
251Bh (1)	co27	phase check mode	ST	UINT8	0	1	0	1	1	---	X	---	X
251Bh (2)	co27	error level information	ST	UINT16				1	100	%	X	X	X
251Ch (0)	co28	combined controlword mask	A	UINT8	3	3	3	1	1	---	---	X	X
251Ch (1...3)	co28	combined controlword mask		UINT16	0	65535	0	1	1	---	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
251Dh (0)	co29	source connect type	A	UINT8	3	3	3	1	1	---	---	X	X
251Dh (1...3)	co29	source connect type		UINT32	0	4194304	0	1	1	---	---	---	X
251Eh (0)	co30	controlword mask	V	UINT16	0	65535	65535	1	1	---	---	---	X
251Fh (0)	co31	controlword internal	V	UINT16	0	65535	0	1	1	---	---	---	X
2520h (0)	co32	state machine properties	V	UINT16	0	16383	78	1	1	---	---	---	X
2521h (0)	co33	ctrlword mirror bit	V	UINT16	0	65535	0	1	1	---	---	---	X
2522h (0)	co34	statusword mirror bit	V	UINT16	0	65535	0	1	1	---	---	---	X
2524h (0)	co36	inertia reducing mode	V	UINT8	0	23	0	1	1	---	X	---	X
2525h (0)	co37	inertia reduce fact	A	UINT8	64	64	64	1	1	---	---	X	X
2525h (1...64)	co37	inertia reduce fact		UINT8	0	255	0	1	1	---	---	---	X
2526h (0)	co38	inertia derivation fact	A	UINT8	64	64	64	1	1	---	---	X	X
2526h (1...64)	co38	inertia derivation fact		INT8	-127	127	0	1	1	---	---	---	X
2527h (0)	co39	inertia derivation [kg*cm^2]	V	INT32	0	2147483647	0	1	100	---	X	---	X
2528h (0)	co40	weight comp fact	A	UINT8	64	64	64	1	1	---	---	X	X
2528h (1...64)	co40	weight comp fact		INT8	-127	127	0	1	1	---	---	---	X
2529h (0)	co41	weight comp torque	V	INT16	0	32767	0	1	1	---	X	---	X
252Ah (0)	co42	speed angle offset	V	INT32	-57266231	57266231	0	50	28633	µs	X	---	X
252Bh (0)	co43	speed ctrl reduce fact	A	UINT8	64	64	64	1	1	---	---	X	X
252Bh (1...64)	co43	speed ctrl reduce fact		UINT8	0	255	0	1	1	---	---	---	X
2530h (0)	co48	acceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2531h (0)	co49	deceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2532h (0)	co50	acceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2533h (0)	co51	deceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2534h (0)	co52	for acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2535h (0)	co53	for acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2536h (0)	co54	for dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2537h (0)	co55	for dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2538h (0)	co56	rev acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2539h (0)	co57	rev acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
253Ah (0)	co58	rev dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
253Bh (0)	co59	rev dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
253Ch (0)	co60	ramp mode	V	UINT8	0	255	1	1	1	---	X	---	X
253Dh (0)	co61	torque lim mode	V	UINT16	0	8191	0	1	1	---	X	---	X
253Eh (0)	co62	selectable stop mode torque	V	INT16	0	10000	1000	1	10	%	X	---	X
253Fh (0)	co63	dM/dt limit [Mn%/ms]	V	INT16	0	10000	0	1	100	%	X	---	X
2552h (0)	co82	ext. modules ctrl word	V	UINT32	0	1	1	1	1	---	---	---	9309, 9310
2553h (0)	co83	non volatile memory mode	V	UINT8	0	1	0	1	1	---	---	---	X
2554h (0)	co84	torque resolution	V	UINT8	0	4	0	1	1	---	---	---	X

ps-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2E00h (0)	ps00	position control mode	V	UINT16	0	2	1	1	1	---	X	---	X
2E01h (0)	ps01	KP position controller	V	UINT16	0	65000	100	1	10	1/min	X	---	X
2E02h (0)	ps02	KP zero speed position ctrl	V	UINT16	0	65000	0	1	10	1/min	X	---	X
2E03h (0)	ps03	KP speed limit reduction %	V	UINT16	0	1000	0	1	10	%	---	---	X
2E04h (0)	ps04	speed limit for ps03	V	INT32	0	128000	3000	1	1	1/min	X	---	X
2E0Ah (0)	ps10	position ctrl limit %	V	UINT16	0	10000	100	1	10	%	---	---	X
2E0Ch (0)	ps12	(CiA 0x6065) following error window	V	UINT32	0	2147483647	5000	1	1	---	---	---	X
2E0Dh (0)	ps13	(CiA 0x6066) following error time out	V	UINT16	0	65535	0	1	1	ms	X	---	X
2E0Eh (0)	ps14	(CiA 0x6067) positioning window	V	UINT32	0	2147483647	5000	1	1	---	---	---	X
2E0Fh (0)	ps15	(CiA 0x6068) positioning window time	V	UINT16	0	65535	0	1	1	ms	X	---	X
2E10h (0)	ps16	(CiA 0x607D [2]) max software position limit	V	INT32	-2147483648	2147483647	2147483647	1	1	---	X	---	X
2E11h (0)	ps17	(CiA 0x607D [1]) min software position limit	V	INT32	-2147483648	2147483647	-2147483648	1	1	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2E12h (0)	ps18	(CiA 0x607B [1]) min position range limit	V	INT32	-2147483648	2147483647	-2147483648	1	1	---	X	---	X
2E13h (0)	ps19	(CiA 0x607B [2]) max position range limit	V	INT32	-2147483648	2147483647	2147483647	1	1	---	X	---	X
2E14h (0)	ps20	range ref window	V	INT32	0	2147483647	0	1	1	---	X	---	X
2E15h (0)	ps21	ref error count	V	UINT16				1	1	---	X	X	X
2E16h (0)	ps22	posi setup state	V	UINT16				1	1	---	X	X	X
2E17h (0)	ps23	position range periods	V	UINT16	0	32767	0	1	1	---	---	---	X
2E18h (0)	ps24	range correction	V	UINT16	0	2048	0	1	1	---	---	---	X
2E1Eh (0)	ps30	(CiA 0x6081) profile velocity	V	UINT32	0	128000	0	1	1	1/min	X	---	X
2E1Fh (0)	ps31	(CiA 0x6082) end velocity	V	UINT32	0	128000	0	1	1	1/min	X	---	X
2E20h (0)	ps32	(CiA 0x607F) max profile velocity	V	UINT32	0	128000	1000	1	1	1/min	X	---	X
2E21h (0)	ps33	absolute positioning	V	UINT8	0	6	0	1	1	---	X	---	X
2E23h (0)	ps35	feed forward speed num	V	INT32	-1073741824	1073741823	1000	1	1	---	X	---	X
2E24h (0)	ps36	feed forward speed denom	V	INT32	1	1073741823	1000	1	1	---	X	---	X
2E26h (0)	ps38	positioning module	V	UINT8	0	15	0	1	1	---	X	---	X
2E27h (0)	ps39	index position	A	UINT8	32	32	32	1	1	---	---	X	X
2E27h (1...32)	ps39	index position	A	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
2E28h (0)	ps40	index speed	A	UINT8	32	32	32	1	1	---	---	X	X
2E28h (1...32)	ps40	index speed	A	INT32	-128000	128000	0	1	1	1/min	X	---	X
2E29h (0)	ps41	index end speed	A	UINT8	32	32	32	1	1	---	---	X	X
2E29h (1...32)	ps41	index end speed	A	INT32	-128000	128000	0	1	1	1/min	X	---	X
2E2Ah (0)	ps42	next index	A	UINT8	32	32	32	1	1	---	---	X	X
2E2Ah (1...32)	ps42	next index	A	INT8	-1	31	-1	1	1	---	X	---	X
2E2Bh (0)	ps43	index mode	A	UINT8	32	32	32	1	1	---	---	X	X
2E2Bh (1...32)	ps43	index mode	A	UINT8	0	7	0	1	1	---	X	---	X
2E2Ch (0)	ps44	immediately input	V	UINT16	0	16383	0	1	1	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2E2Dh (0)	ps45	immediately index	V	INT8	0	31	0	1	1	---	X	---	X
2E2Eh (0)	ps46	start index	V	INT8	-1	31	-1	1	1	---	X	---	X
2E2Fh (0)	ps47	active index	V	INT8				1	1	---	X	X	X
2E30h (0)	ps48	ps acceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2E31h (0)	ps49	ps deceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2E32h (0)	ps50	ps acceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2E33h (0)	ps51	ps deceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2E34h (0)	ps52	ps for acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E35h (0)	ps53	ps for acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E36h (0)	ps54	ps for dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E37h (0)	ps55	ps for dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E38h (0)	ps56	ps rev acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E39h (0)	ps57	ps rev acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E3Ah (0)	ps58	ps rev dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E3Bh (0)	ps59	ps rev dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2E3Ch (0)	ps60	ps ramp mode	V	UINT8	0	255	8	1	1	---	X	---	X

do-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2601h (0)	do01	flag operand A	A	UINT8	8	8	8	1	1	---	---	X	X
2601h (1...8)	do01	flag operand A	A	UINT16	0	71	27	1	1	---	X	---	X
2602h (0)	do02	flag operand B	A	UINT8	8	8	8	1	1	---	---	X	X
2602h (1...8)	do02	flag operand B	A	UINT16	0	71	28	1	1	---	X	---	X
2603h (0)	do03	flag operator mode	A	UINT8	8	8	8	1	1	---	---	X	X
2603h (1...8)	do03	flag operator mode	A	UINT16	0	255	5	1	1	---	X	---	X
2605h (0)	do05	flag level 1	A	UINT8	8	8	8	1	1	---	---	X	X
2605h (1...8)	do05	flag level 1	A	INT32	-2147483648	2147483647	0	1	10000	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2606h (0)	do06	flag level 2	A	UINT8	8	8	8	1	1	---	---	X	X
2606h (1...8)	do06	flag level 2	A	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
2607h (0)	do07	flag hyst. operand B	A	UINT8	8	8	8	1	1	---	---	X	X
2607h (1...8)	do07	flag hyst. operand B	A	INT32	0	2147483647	0	1	10000	---	X	---	X
2608h (0)	do08	filter time flags	A	UINT8	8	8	8	1	1	---	---	X	X
2608h (1...8)	do08	filter time flags	A	UINT32	0	10000000	0	1	1000	ms	X	---	X
260Ah (0)	do10	dig. out ext. source	V	UINT16	0	255	0	1	1	---	X	---	X
260Bh (0)	do11	dig. out logic	V	UINT16	0	255	0	1	1	---	---	---	X
260Ch (0)	do12	dig. output src. sel.	V	UINT32	0	65535	0	1	1	---	---	---	X
260Dh (0)	do13	select flag for connection	A	UINT8	4	4	4	1	1	---	---	X	X
260Dh (1...4)	do13	select flag for connection	A	UINT16	0	255	0	1	1	---	X	---	X
260Eh (0)	do14	invert flags before connection	A	UINT8	4	4	4	1	1	---	---	X	X
260Eh (1...4)	do14	invert flags before connection	A	UINT16	0	255	0	1	1	---	X	---	X
260Fh (0)	do15	number of flags	V	UINT8	0	8	4	1	1	---	X	---	X
2610h (0)	do16	number of connected flags	V	UINT8	0	4	4	1	1	---	X	---	X
2612h (0)	do18	AND operation for connected flags	V	UINT16	0	15	0	1	1	---	---	---	X
2613h (0)	do19	AND operation for output	V	UINT16	0	255	0	1	1	---	---	---	X
2614h (0)	do20	select flag O1	V	UINT16	0	4095	1	1	1	---	X	---	X
2615h (0)	do21	select flag O2	V	UINT16	0	4095	2	1	1	---	X	---	X
2618h (0)	do24	select flag OA	V	UINT16	0	4095	1	1	1	---	X	---	X
2619h (0)	do25	select flag OB	V	UINT16	0	4095	2	1	1	---	X	---	X
261Ah (0)	do26	select flag OC	V	UINT16	0	4095	4	1	1	---	X	---	X
261Bh (0)	do27	select flag Relais	V	UINT16	0	4095	0	1	1	---	X	---	X
261Ch (0)	do28	invert flags output	A	UINT8	8	8	8	1	1	---	---	X	X
261Ch (1...8)	do28	invert flags output	A	UINT16	0	4095	0	1	1	---	X	---	X
261Eh (0)	do30	number of counter units	V	UINT16	0	2	0	1	1	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
261Fh (0)	do31	counter unit mode	A	UINT8	2	2	2	1	1	---	---	X	X
261Fh (1...2)	do31	counter unit mode	A	UINT16	0	255	0	1	1	---	X	---	X
2620h (0)	do32	run source parameter	A	UINT8	2	2	2	1	1	---	---	X	X
2620h (1...2)	do32	run source parameter	A	UINT8	0	3	0	1	1	---	X	---	X
2621h (0)	do33	run source bit	A	UINT8	2	2	2	1	1	---	---	X	X
2621h (1...2)	do33	run source bit	A	UINT16	0	4095	0	1	1	---	X	---	X
2622h (0)	do34	reset source parameter	A	UINT8	2	2	2	1	1	---	---	X	X
2622h (1...2)	do34	reset source parameter	A	UINT8	0	3	0	1	1	---	X	---	X
2623h (0)	do35	reset source bit	A	UINT8	2	2	2	1	1	---	---	X	X
2623h (1...2)	do35	reset source bit	A	UINT16	0	4095	0	1	1	---	X	---	X
2624h (0)	do36	count source parameter	A	UINT8	2	2	2	1	1	---	---	X	X
2624h (1...2)	do36	count source parameter	A	UINT8	0	3	0	1	1	---	X	---	X
2625h (0)	do37	count source bit	A	UINT8	2	2	2	1	1	---	---	X	X
2625h (1...2)	do37	count source bit	A	UINT16	0	4095	0	1	1	---	X	---	X
2626h (0)	do38	direction source parameter	A	UINT8	2	2	2	1	1	---	---	X	X
2626h (1...2)	do38	direction source parameter	A	UINT8	0	3	0	1	1	---	X	---	X
2627h (0)	do39	direction source bit	A	UINT8	2	2	2	1	1	---	---	X	X
2627h (1...2)	do39	direction source bit	A	UINT16	0	4095	0	1	1	---	X	---	X
2628h (0)	do40	timer end value	A	UINT8	2	2	2	1	1	---	---	X	X
2628h (1...2)	do40	timer end value	A	UINT32	1	8388607	8388607	1	1	---	X	---	X
262Dh (0)	do45	variable operand address	A	UINT8	2	2	2	1	1	---	---	X	X
262Dh (1...2)	do45	variable operand address	A	UINT32	0	2147483647	0	1	1	---	X	---	X
262Eh (0)	do46	variable operand mask	A	UINT8	2	2	2	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
262Eh (1...2)	do46	variable operand mask	A	UINT32	0	2147483647	-1	1	1	---	X	---	X
262Fh (0)	do47	variable operand value unsigned	A	UINT8	2	2	2	1	1	---	---	X	X
262Fh (1...2)	do47	variable operand value unsigned	A	UINT32				1	1	---	X	X	X
2630h (0)	do48	variable operand value signed	A	UINT8	2	2	2	1	1	---	---	X	X
2630h (1...2)	do48	variable operand value signed	A	INT32				1	1	---	X	X	X

fb-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2B0Ah (0)	fb10	sync interval	V	UINT16	0	16000	0	1	1	µs	---	---	X
2B0Bh (0)	fb11	set sync level	V	UINT16	0	1000	20	1	10	µs	---	---	X
2B0Ch (0)	fb12	KP sync PLL	V	UINT16	0	256	32	1	1	---	---	---	9312, 9313, 9314, 9315
2B0Dh (0)	fb13	drive node ID	V	UINT8	0	238	1	1	1	---	---	---	9312, 9313, 9314, 9315
2B0Eh (0)	fb14	DIN66019 baud rate	V	UINT8	5	12	5	1	1	---	---	---	X
2B0Fh (0)	fb15	node IDs	ST	UINT8				1	1	---	---	X	9312, 9313, 9314, 9315
2B0Fh (1)	fb15	application node ID	ST	UINT8	0	255	2	1	1	---	---	---	9312, 9313, 9314, 9315
2B0Fh (2)	fb15	debugger node ID	ST	UINT8	0	255	255	1	1	---	---	---	9312, 9313, 9314, 9315
2B10h (0)	fb16	fieldbus node injection	V	UINT8	1	255	1	1	1	---	---	---	9312, 9313, 9314, 9315
2B13h (0)	fb19	measured sync interval	V	UINT16	---	---	---	64	75	µs	X	X	9312, 9313, 9314, 9315
2B14h (0)	fb20	ETC invalid frame count P0	V	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B15h (0)	fb21	ETC RX error count P0	V	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B16h (0)	fb22	ETC invalid frame count P1	V	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B17h (0)	fb23	ETC RX error count P1	V	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B18h (0)	fb24	ETC for. RX error count P0	V	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B19h (0)	fb25	ETC for. RX error count P1	V	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B1Ah (0)	fb26	ETC processing unit error count	V	UINT8				1	1	---	---	X	9312, 9313, 9314, 9315
2B1Bh (0)	fb27	ETC min. sync delay	V	INT16	0	32000	32000	8	25	µs	---	---	9312, 9313, 9314, 9315
2B1Ch (0)	fb28	ETC max. sync delay	V	INT16	0	32000	0	8	25	µs	---	---	9312, 9313, 9314, 9315
2B1Dh (0)	fb29	ETC no frame per sync cnt	V	UINT16	0	32000	0	1	1	---	---	---	9312, 9313, 9314, 9315

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2B1Eh (0)	fb30	ETC mult. frames per sync cnt	V	UINT16	0	32000	0	1	1	---	---	---	9312, 9313, 9314, 9315
2B1Fh (0)	fb31	no PDO data per sync cnt	V	UINT16	0	65535	0	1	1	---	---	---	X
2B20h (0)	fb32	LED 'DEV ST' blink status	V	UINT8	0	1	0	1	1	---	X	---	X
2B25h (0)	fb37	process data access min. sync delay	V	INT16	0	32000	32000	64	75	µs	---	---	9312, 9313, 9314, 9315
2B26h (0)	fb38	process data access max. sync delay	V	INT16	0	32000	0	64	75	µs	---	---	9312, 9313, 9314, 9315
2B3Ch (0)	fb60	process data size selection	V	UINT8	0	4	0	1	1	---	---	---	X
2B40h (0)	fb64	CAN node ID	V	UINT8	1	127	1	1	1	---	---	---	X
2B42h (0)	fb66	CAN baud rate	V	UINT8	1	8	7	1	1	---	---	---	X
2B43h (0)	fb67	fieldbus configuration	V	UINT16				1	1	---	---	X	X
2B44h (0)	fb68	fieldbus selection	V	UINT8	0	3	0	1	1	---	---	---	9312, 9313, 9314, 9315
2B45h (0)	fb69	CAN lost messages	V	UINT16				1	1	---	X	X	9309, 9310
2B46h (0)	fb70	CAN options	ST	UINT8				1	1	---	---	X	9309, 9310
2B46h (1)	fb70	CAN option code	ST	UINT32	0	2147483647	0	1	1	---	---	---	9309, 9310
2B46h (2)	fb70	Tx PDO base ID	ST	UINT16	0	2044	0	1	1	---	---	---	9309, 9310
2B46h (3)	fb70	Rx PDO base ID	ST	UINT16	0	2044	0	1	1	---	---	---	9309, 9310
2B46h (4)	fb70	Tx PDO1 cycle time	ST	UINT16	10	10000	10	1	1	---	---	---	9309, 9310
2B46h (5)	fb70	Tx PDO2 cycle time	ST	UINT16	10	10000	10	1	1	---	---	---	9309, 9310
2B46h (6)	fb70	Tx PDO3 cycle time	ST	UINT16	10	10000	10	1	1	---	---	---	9309, 9310
2B46h (7)	fb70	Tx PDO4 cycle time	ST	UINT16	10	10000	10	1	1	---	---	---	9309, 9310
2B47h (0)	fb71	fieldbus options	V	UINT32	0	2	1	1	1	---	---	---	9312, 9313, 9314, 9315
2B48h (0)	fb72	change cnt	V	UINT32				1	1	---	X	X	9312, 9313, 9314, 9315
2B50h (0)	fb80	MRTE module	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
2B50h (1)	fb80	MRTE module support	ST	UINT8	0	1	1	1	1	---	---	---	9309, 9310
2B50h (2)	fb80	MRTE module state	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
2B50h (3)	fb80	MRTE module version	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Ah (0)	fb90	fieldbus state	ST	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Ah (1)	fb90	EtherCAT fieldbus state	ST	UINT16	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Ah (2)	fb90	CANopen fieldbus state	ST	UINT16	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Ah (3)	fb90	PROFINET fieldbus state	ST	UINT16	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Ah (4)	fb90	POWERLINK fieldbus state	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2B5Ah (5)	fb90	EtherNet/IP fieldbus state	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Bh (0)	fb91	fieldbus error code	ST	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Bh (1)	fb91	EtherCAT fieldbus error code	ST	UINT16	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Bh (2)	fb91	CANopen fieldbus error code	ST	UINT16	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Bh (3)	fb91	PROFINET fieldbus error code	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
2B5Bh (4)	fb91	POWERLINK fieldbus error code	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Bh (5)	fb91	EtherNet/IP fieldbus error code	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Ch (0)	fb92	fieldbus stack diagnosis	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
2B5Ch (1)	fb92	Netx Base State	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Ch (2)	fb92	Netx Base Driver State	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Ch (3)	fb92	StartStas	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
2B5Ch (4)	fb92	StartStaCmd	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Ch (5)	fb92	bussystem driver state	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
2B5Dh (0)	fb93	ETC SyncManPara workaround	V	UINT8	0	255	0	1	1	---	---	---	9312, 9313, 9314, 9315
2B64h (0)	fb100	node ID switch value	V	UINT8	---	---	---	1	1	---	---	X	X
2B65h (0)	fb101	adjusted node ID value	V	UINT8	0	255	0	1	1	---	---	---	X
2B66h (0)	fb102	effective node ID	V	UINT8	---	---	---	1	1	---	---	X	X
2B67h (0)	fb103	FB MAC Address (Base)	V	UINT32	0	-83886081	0	1	1	---	---	---	9309, 9310
2B68h (0)	fb104	PNET MAC Address (Port1)	V	UINT32	0	-83886081	0	1	1	---	---	---	9309, 9310
2B69h (0)	fb105	MAC Address (EoE Channel)	V	UINT32				1	1	---	---	X	9312, 9313, 9314, 9315
2B6Ah (0)	fb106	MAC Address (EthChannel)	V	UINT32				1	1	---	---	X	9312, 9313, 9314, 9315
2B6Bh (0)	fb107	PROFINET NameOfStation	V	UINT8				1	1	---	---	X	9312, 9313, 9314, 9315
2B6Bh (1...240)	fb107	PROFINET NameOfStation		UINT8				1	1	---	---	X	9309, 9310
2B6Ch (0)	fb108	Ethernet over fieldbus IP configuration	ST	UINT8				1	1	---	---	X	X
2B6Ch (1)	fb108	IP address	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
2B6Ch (2)	fb108	subnet mask	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
2B6Ch (3)	fb108	gateway address	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
2B6Dh (0)	fb109	basic IP configuration	ST	UINT8				1	1	---	---	X	X
2B6Dh (1)	fb109	IP address	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
2B6Dh (2)	fb109	subnet mask	ST	UINT32	0	2147483647	0	1	1	---	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2B6Dh (3)	fb109	gateway address	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
2B6Eh (0)	fb110	Scan names	A	UINT8	2	2	2	1	1	---	---	X	9312, 9313, 9314, 9315
2B6Eh (1...2)	fb110	Scan names	A	UINT8	0	32	0	1	1	---	---	---	9312, 9313, 9314, 9315
2B6Fh (0)	fb111	POWERLINK RPDO offset	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
2B6Fh (1...8)	fb111	POWERLINK RPDO offset	A	UINT8	0	255	0	1	1	---	---	---	9309, 9310
2B70h (0)	fb112	POWERLINK TPDO offset	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
2B70h (1...8)	fb112	POWERLINK TPDO offset	A	UINT8	0	255	0	1	1	---	---	---	9309, 9310
2B71h (0)	fb113	EtherNet/IP Configuration	V	UINT8	0	6	2	1	1	---	---	---	9309, 9310
2B72h (0)	fb114	ModbusTCP Configuration	V	UINT8	0	2	2	1	1	---	---	---	9309, 9310
2B73h (0)	fb115	ModbusTCP SubIndex	V	UINT8	0	255	0	1	1	---	---	---	9309, 9310

ec-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2800h (0)	ec00	status encoder interface	V	UINT8				1	1	---	X	X	9309, 9310, 9312, 9314
2801h (0)	ec01	error encoder interface	V	UINT16				1	1	---	X	X	9309, 9310, 9312, 9314
2802h (0)	ec02	warning encoder interf.	V	UINT8				1	1	---	X	X	9309, 9310, 9312, 9314
280Eh (0)	ec14	encoder interf. gen. settings	V	UINT8	0	3	2	1	1	---	---	---	9309, 9310, 9312, 9314
2810h (0)	ec16	encoder type	V	UINT8	0	22	0	1	1	---	---	---	9309, 9310, 9312, 9314
2811h (0)	ec17	detected encoder type	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310, 9312, 9314
2812h (0)	ec18	error encoder	V	UINT32	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2813h (0)	ec19	warning encoder	V	UINT16	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2816h (0)	ec22	rho encoder value	V	UINT16	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
2817h (0)	ec23	system offset (SM)	V	UINT16	0	65535	57057	1	1	---	X	---	9309, 9310, 9312, 9314
2818h (0)	ec24	gear numerator	V	UINT16	0	65535	1000	1	1	---	---	---	9309, 9310, 9312, 9314
2819h (0)	ec25	gear denominator	V	UINT16	1	65535	1000	1	1	---	---	---	9309, 9310, 9312, 9314
281Ah (0)	ec26	speed scan time	V	UINT8	2	7	5	1	1	---	---	---	9309, 9310, 9312, 9314
281Bh (0)	ec27	speed PT1-time	V	UINT32	0	256000	1000	1	1000	ms	---	---	9309, 9310, 9312, 9314
281Ch (0)	ec28	revolution range	V	UINT8	0	7	4	1	1	---	---	---	9309, 9310, 9312, 9314

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
281Dh (0)	ec29	signal periods per revolution	V	INT32	0	500000000	2048	1	1	---	---	---	9309, 9310, 9312, 9314
281Eh (0)	ec30	resolver pole pairs	V	UINT8	1	255	1	1	1	---	---	---	9309, 9310, 9312, 9314
281Fh (0)	ec31	zero pulse pos.	V	UINT32				1	1	INC	---	X	9309, 9310, 9312, 9314
2820h (0)	ec32	max. pos. error	V	UINT8	0	180	20	1	1	---	---	---	9309, 9310, 9312, 9314
2821h (0)	ec33	abs. pos. accuracy	V	UINT16	0	65535	4	1	1	INC	---	---	9309, 9310, 9312, 9314
2823h (0)	ec35	pos. calc. mode	V	UINT8	0	63	0	1	1	---	---	---	9312, 9314
2824h (0)	ec36	several encoder functions	V	UINT8	0	7	0	1	1	---	---	---	9309, 9310, 9312, 9314
2828h (0)	ec40	singleturn res.	V	UINT8	0	40	0	1	1	---	---	---	9309, 9310, 9312, 9314
2829h (0)	ec41	multiturn res.	V	UINT8	0	40	0	1	1	---	---	---	9309, 9310, 9312, 9314
282Ah (0)	ec42	SSI data format	V	UINT8	0	31	8	1	1	---	---	---	9309, 9310, 9312, 9314
282Bh (0)	ec43	SSI clock freq.	V	UINT8	0	2	0	1	1	---	---	---	9309, 9310, 9312, 9314
282Ch (0)	ec44	SSI allocation absolute / incre-mental position	V	UINT8	0	3	0	1	1	---	---	---	9309, 9310, 9312, 9314
282Eh (0)	ec46	encoder read/write	V	UINT8	0	2	0	1	1	---	---	---	9309, 9310, 9312, 9314
282Fh (0)	ec47	status encoder r/w	V	UINT8				1	1	---	X	X	9309, 9310, 9312, 9314
2830h (0)	ec48	saved encoder serial number	A	UINT8	12	12	12	1	1	---	---	X	9309, 9310, 9312, 9314
2830h (1...12)	ec48	saved encoder serial number	A	UINT8	---	---	---	1	1	---	---	X	9309, 9310, 9312, 9314
2831h (0)	ec49	encoder serial number	A	UINT8	12	12	12	1	1	---	---	X	9309, 9310, 9312, 9314
2831h (1...12)	ec49	encoder serial number	A	UINT8	0	255	0	1	1	---	---	---	9309, 9310, 9312, 9314
2832h (0)	ec50	virtual round for linear encoder	V	INT32	1	500000000	1	1	1	---	---	---	9309, 9310, 9312, 9314
4800h (0)	ec00	status encoder interface B	V	UINT8	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4801h (0)	ec01	error encoder interface B	V	UINT16	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4802h (0)	ec02	warning encoder interf. B	V	UINT8	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4810h (0)	ec16	encoder type B	V	UINT8	0	23	0	1	1	---	---	---	9312, 9314
4811h (0)	ec17	detected encoder type B	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310, 9312, 9314
4812h (0)	ec18	error encoder B	V	UINT32	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4813h (0)	ec19	warning encoder B	V	UINT16	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4816h (0)	ec22	rho encoder value B	V	UINT16	---	---	---	1	1	---	X	X	9309, 9310, 9312, 9314
4817h (0)	ec23	system offset (SM) B	V	UINT16	0	65535	57057	1	1	---	X	---	9309, 9310, 9312, 9314
4818h (0)	ec24	gear numerator B	V	UINT16	0	65535	1000	1	1	---	---	---	9309, 9310, 9312, 9314

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
4819h (0)	ec25	gear denominator B	V	UINT16	1	65535	1000	1	1	---	---	---	9309, 9310, 9312, 9314
481Ah (0)	ec26	speed scan time B	V	UINT8	2	7	5	1	1	---	---	---	9309, 9310, 9312, 9314
481Bh (0)	ec27	speed PT1-time B	V	UINT32	0	256000	1000	1	1000	ms	---	---	9309, 9310, 9312, 9314
481Ch (0)	ec28	revolution range B	V	UINT8	0	7	4	1	1	---	---	---	9309, 9310, 9312, 9314
481Dh (0)	ec29	signal periods per revolution B	V	INT32	0	500000000	2048	1	1	---	---	---	9309, 9310, 9312, 9314
481Eh (0)	ec30	abs periods number B	V	UINT8	1	10	1	1	1	---	---	---	9309, 9310, 9312, 9314
481Fh (0)	ec31	zero pulse pos. B	V	UINT32				1	1	INC	---	X	9309, 9310, 9312, 9314
4820h (0)	ec32	max. pos. error B	V	UINT8	0	180	20	1	1	---	---	---	9309, 9310, 9312, 9314
4821h (0)	ec33	abs. pos. accuracy B	V	UINT16	0	65535	4	1	1	INC	---	---	9309, 9310, 9312, 9314
4823h (0)	ec35	pos. calc. mode B	V	UINT8	0	63	0	1	1	---	---	---	9312, 9314
4824h (0)	ec36	several encoder functions B	V	UINT8	0	7	0	1	1	---	---	---	9309, 9310, 9312, 9314
4828h (0)	ec40	singleturn res. B	V	UINT8	0	40	0	1	1	---	---	---	9309, 9310, 9312, 9314
4829h (0)	ec41	multiturn res. B	V	UINT8	0	40	0	1	1	---	---	---	9309, 9310, 9312, 9314
482Ah (0)	ec42	SSI data format B	V	UINT8	0	31	8	1	1	---	---	---	9309, 9310, 9312, 9314
482Bh (0)	ec43	SSI clock freq. B	V	UINT8	0	2	0	1	1	---	---	---	9309, 9310, 9312, 9314
482Ch (0)	ec44	SSI allocation absolute / incremental position B	V	UINT8	0	3	0	1	1	---	---	---	9309, 9310, 9312, 9314
4830h (0)	ec48	saved encoder serial number B	A	UINT8	12	12	12	1	1	---	---	X	9309, 9310, 9312, 9314
4830h (1...12)	ec48	saved encoder serial number B	A	UINT8				1	1	---	---	X	9309, 9310, 9312, 9314
4831h (0)	ec49	encoder serial number B	A	UINT8	12	12	12	1	1	---	---	X	9309, 9310, 9312, 9314
4831h (1...12)	ec49	encoder serial number B	A	UINT8	0	255	0	1	1	---	---	---	9309, 9310, 9312, 9314
4832h (0)	ec50	virtual round for linear encoder B	V	INT32	1	500000000	1	1	1	---	---	---	9309, 9310, 9312, 9314

cs-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2700h (0)	cs00	control mode	V	UINT8	0	19	16	1	1	---	---	---	X
2701h (0)	cs01	KP speed [%Mn/rpm]	V	UINT32	0	10737418	100	1	10000	---	---	---	X
2703h (0)	cs03	variable KP speed gain	V	UINT16	0	10240	0	1	1024	---	---	---	X
2704h (0)	cs04	var.KP speed max. offset	V	UINT16	0	5120	0	100	1024	%	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2705h (0)	cs05	Tn speed	V	UINT32	0	1073741823	250	1	1000	ms	---	---	X
2706h (0)	cs06	variable KP speed offset	V	UINT16	0	65535	0	1	10	%	---	---	X
2707h (0)	cs07	variable KI speed offset	V	UINT16	0	65535	0	1	10	%	---	---	X
2708h (0)	cs08	speed for max. KP/KI	V	UINT16	0	10000	50	1	10	%	---	---	X
2709h (0)	cs09	speed for normal KP/KI	V	UINT16	0	10000	100	1	10	%	---	---	X
270Ch (0)	cs12	(CiA 0x6072) max torque	V	UINT16	0	10000	2000	1	10	%	X	---	X
270Dh (0)	cs13	torque limit mot. for.	V	INT16	0	10000	5000	1	10	%	X	---	X
270Eh (0)	cs14	torque limit mot. rev.	V	INT16	-1	10000	-1	1	10	%	X	---	X
270Fh (0)	cs15	torque limit gen. for.	V	INT16	-2	10000	-2	1	10	%	X	---	X
2710h (0)	cs16	torque limit gen. rev.	V	INT16	-2	10000	-2	1	10	%	X	---	X
2711h (0)	cs17	inertia load (kg*cm^2)	V	UINT32	0	2000000000	0	1	100	---	---	---	X
2712h (0)	cs18	ref. position PT1-time	V	UINT16	0	60000	0	1	1000	ms	X	---	X
2713h (0)	cs19	ref. speed PT1-time	V	UINT16	0	60000	0	1	1000	ms	X	---	X
2714h (0)	cs20	torque ref. PT1-time	V	UINT16	0	60000	1000	1	1000	ms	---	---	X
2715h (0)	cs21	pretorque mode	V	UINT16	0	2	2	1	1	---	---	---	X
2716h (0)	cs22	pretorque PT1-time	V	UINT16	0	60000	0	1	1000	ms	X	---	X
2717h (0)	cs23	pretorque delta time	V	UINT16	1	8	4	1000	4000	ms	---	---	X
2718h (0)	cs24	pretorque factor	V	UINT16	0	60000	1000	1	10	%	X	---	X
2719h (0)	cs25	speed ctrl (KP) adaption	V	UINT16	0	8000	1000	1	10	%	X	---	X
271Ah (0)	cs26	speed ctrl (KI) adaption	V	UINT16	0	8000	1000	1	10	%	X	---	X
271Bh (0)	cs27	speed ctrl KP/KI adapt mode	V	UINT8	0	1	0	1	1	---	---	---	X
2763h (0)	cs99	optimisation factor	V	UINT8	19	100	40	1	10	---	---	---	X

pn-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2A03h (0)	pn03	OL warning level	V	UINT16	0	1000	800	1	10	%	X	---	X
2A04h (0)	pn04	E.OL stop mode	V	UINT8	0	1	0	1	1	---	X	---	X
2A05h (0)	pn05	OL2 warning level	V	UINT16	200	1000	800	1	10	%	X	---	X
2A06h (0)	pn06	temperature warning setting mode	V	UINT8	0	1	0	1	1	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2A07h (0)	pn07	OH warning level	V	UINT16	0	1500	700	1	10	°C	X	---	X
2A08h (0)	pn08	E.OH stop mode	V	UINT8	0	1	0	1	1	---	X	---	X
2A09h (0)	pn09	OHI warning level	V	UINT16	0	1500	600	1	10	°C	X	---	X
2A0Ah (0)	pn10	E.OHI stop mode	V	UINT8	0	1	0	1	1	---	X	---	X
2A0Bh (0)	pn11	dOH warning level	V	UINT16	0	2000	1000	1	10	°C	X	---	X
2A0Ch (0)	pn12	E.dOH stop mode	V	UINT8	0	9	0	1	1	---	X	---	X
2A0Dh (0)	pn13	E.dOH delay time	V	UINT16	0	1200	0	1	10	s	X	---	X
2A0Eh (0)	pn14	dOH error level	V	UINT16	0	2000	1500	1	10	°C	X	---	X
2A0Fh (0)	pn15	OH2 warning level	V	UINT16	0	1000	1000	1	10	%	X	---	X
2A10h (0)	pn16	E.OH2 stop mode	V	UINT8	0	9	0	1	1	---	X	---	X
2A11h (0)	pn17	eff. load time	V	UINT16	1	30000	100	1	100	s	X	---	X
2A12h (0)	pn18	sw.- switch limit left	V	INT32	-2147483648	2147483647	-2147483648	1	1	INC	X	---	X
2A13h (0)	pn19	sw.- switch limit right	V	INT32	-2147483648	2147483647	2147483647	1	1	INC	X	---	X
2A14h (0)	pn20	E.SW-switch stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A15h (0)	pn21	fieldbus watchdog time	V	UINT16	0	16000	4000	1	4	ms	X	---	X
2A16h (0)	pn22	E.fb watchdog stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A17h (0)	pn23	E.fb heartbeat stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A1Ah (0)	pn26	overspeed level	V	UINT16	0	8000	2000	1	10	%	X	---	X
2A1Bh (0)	pn27	E.overspeed stop mode	V	UINT8	0	8	0	1	1	---	X	---	X
2A1Ch (0)	pn28	warning mask	V	UINT32	0	16777215	127	1	1	---	X	---	X
2A1Dh (0)	pn29	prg. error stop. mode	V	UINT8	0	9	7	1	1	---	X	---	X
2A1Eh (0)	pn30	prg. error source	V	UINT16	0	65535	0	1	1	---	X	---	X
2A1Fh (0)	pn31	enable braking trans. source	V	UINT16	0	4095	0	1	1	---	X	---	X
2A20h (0)	pn32	braking transistor level	V	UINT16	0	15000	7800	1	10	V	---	---	X
2A21h (0)	pn33	braking transistor options	V	UINT16	0	511	5	1	1	---	---	---	X
2A22h (0)	pn34	E.encoder A stop mode	V	UINT8	0	8	0	1	1	---	X	---	9309, 9310, 9312, 9314
2A23h (0)	pn35	E.encoder B stop mode	V	UINT8	0	8	7	1	1	---	X	---	9309, 9310, 9312, 9314
2A24h (0)	pn36	max acc/dec level [s-2]	V	INT32	1	1747626666	436906667	1	100	---	X	---	X
2A25h (0)	pn37	E.max acc/dec stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A26h (0)	pn38	speed difference level	V	UINT16	0	8000	50	1	10	%	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2A27h (0)	pn39	speed difference time	V	UINT16	0	65535	100	1	4	ms	X	---	X
2A28h (0)	pn40	speed difference stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A29h (0)	pn41	speed difference calculation mode	V	UINT16	0	515	1	1	1	---	X	---	X
2A2Ah (0)	pn42	E.Uph stopping mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A2Bh (0)	pn43	UPS operation	ST	UINT8				1	1	---	X	X	X
2A2Bh (1)	pn43	enable UPS operation	ST	UINT8	0	2	0	1	1	---	X	---	X
2A2Bh (2)	pn43	UPS enable source	ST	UINT16	0	65535	0	1	1	---	X	---	X
2A2Bh (3)	pn43	UPS operation UP offset	ST	UINT16	0	1000	0	1	10	V	X	---	X
2A2Bh (4)	pn43	UPS UP error level	ST	UINT16				1	10	V	X	X	X
2A2Bh (5)	pn43	UPS UP reset level	ST	UINT16				1	10	V	X	X	X
2A2Dh (0)	pn45	fault reaction time	V	INT16	0	30000	4000	1	4	ms	X	---	X
2A2Eh (0)	pn46	fault reaction end src	V	UINT16	0	4095	0	1	1	---	X	---	X
2A2Fh (0)	pn47	fault reaction ref velocity	V	INT32	-128000	128000	0	1	1	1/min	X	---	X
2A30h (0)	pn48	fr acceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2A31h (0)	pn49	fr deceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2A32h (0)	pn50	fr acceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2A33h (0)	pn51	fr deceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
2A34h (0)	pn52	fr for acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A35h (0)	pn53	fr for acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A36h (0)	pn54	fr for dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A37h (0)	pn55	fr for dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A38h (0)	pn56	fr rev acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A39h (0)	pn57	fr rev acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A3Ah (0)	pn58	fr rev dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A3Bh (0)	pn59	fr rev dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
2A3Ch (0)	pn60	fault reaction ramp mode	V	UINT8	0	255	0	1	1	---	X	---	X
2A3Eh (0)	pn62	fault reaction properties	V	UINT8	0	1	0	1	1	---	X	---	X
2A46h (0)	pn70	overspeed factor (EMF)	V	UINT16	0	1000	900	1	10	%	---	---	X
2A47h (0)	pn71	E. overspeed (EMF) st. mode	V	UINT8	0	8	0	1	1	---	X	---	X
2A48h (0)	pn72	overspeed level (EMF)	V	UINT32				1	8192	1/min	X	X	X
2A49h (0)	pn73	E.enc A changed stop mode	V	UINT8	0	8	7	1	1	---	X	---	9309, 9310, 9312, 9314

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2A4Ah (0)	pn74	E.enc B changed stop mode	V	UINT8	0	8	7	1	1	---	X	---	9309, 9310, 9312, 9314
2A4Ch (0)	pn76	UP2 delay time	V	UINT16	0	10000	0	1	1000	s	---	---	X
2A4Dh (0)	pn77	E.UP2 stopping mode	V	UINT8	0	9	7	1	1	---	---	---	X
2A4Eh (0)	pn78	limit switch forward stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A4Fh (0)	pn79	limit switch reverse stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A50h (0)	pn80	safety stop mode	V	UINT8	0	8	7	1	1	---	X	---	X
2A51h (0)	pn81	warning OH stop mode	V	UINT8	0	8	6	1	1	---	X	---	X
2A52h (0)	pn82	warning OHI stop mode	V	UINT8	0	8	6	1	1	---	X	---	X
2A53h (0)	pn83	auto retry activation	V	UINT16	0	1	0	1	1	---	---	---	X
2A54h (0)	pn84	auto retry UP configuration	ST	UINT8				1	1	---	X	X	X
2A54h (1)	pn84	auto retry time	ST	UINT16	0	1000	0	1	100	s	---	---	X
2A54h (2)	pn84	fault supression mode	ST	UINT16	0	7	0	1	1	---	---	---	X
2A54h (3)	pn84	auto retry UP acceleration [s-2]	ST	INT32	0	1747626666	0	1	100	---	---	---	X
2A55h (0)	pn85	variable mod off time	ST	UINT8				1	1	---	X	X	X
2A55h (1)	pn85	customer time usage	ST	UINT8	0	15	0	1	1	---	X	---	X
2A55h (2)	pn85	customer modulation off time	ST	UINT16	1	1000	5	1	100	s	X	---	X
2A56h (0)	pn86	E.AnIn stop mode	V	UINT8	0	136	7	1	1	---	X	---	X
2A57h (0)	pn87	blockage protection	ST	UINT8				1	1	---	X	X	X
2A57h (1)	pn87	blockage mode	ST	UINT16	0	16383	5392	1	1	---	X	---	X
2A57h (2)	pn87	detection speed level	ST	UINT32	0	81920000	819200	1	8192	1/min	X	---	X
2A57h (3)	pn87	detection time	ST	UINT16	0	10000	100	1	100	s	X	---	X
2A57h (4)	pn87	blockage reaction time	ST	UINT16	0	10000	100	1	100	s	X	---	X
2A57h (5)	pn87	lower limit reduce	ST	UINT16	0	100	20	1	1	%	X	---	X
2A57h (6)	pn87	blockage detection status	ST	UINT8				1	1	---	X	X	X
2A58h (0)	pn88	relative load	ST	UINT8				1	1	---	X	X	X
2A58h (1)	pn88	display configuration	ST	UINT16	0	255	0	1	1	---	X	---	X
2A58h (2)	pn88	application torque limit	ST	UINT16	0	10000	0	1	10	%	X	---	X
2A58h (3)	pn88	active torque limit	ST	UINT16				1	10	%	X	X	X
2A58h (4)	pn88	active thermal limit	ST	UINT16				1	10	%	X	X	X
2A59h (0)	pn89	warning brOH stop mode	V	UINT8	0	7	6	1	1	---	X	---	9310, 9312, 9313
2A5Ah (0)	pn90	brOH warning level	V	UINT16	4000	10000	7000	1	10	°C	X	---	9310, 9312, 9313

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2A5Bh (0)	pn91	brOH error level	V	UINT16	4000	10000	8000	1	10	°C	X	---	9310, 9312, 9313

aa-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2900h (0)	aa00	simulation mode	V	UINT8	0	255	0	1	1	---	---	---	X
2901h (0)	aa01	FPGA configuration state	V	INT8				1	1	---	X	X	9309, 9310
2902h (0)	aa02	adjust voltages test mode	V	UINT8	0	5	0	1	1	---	---	---	9310
2903h (0)	aa03	adjust voltages test version	V	UINT8				1	1	---	---	X	9310
2904h (0)	aa04	adjust voltages test value	V	INT8	-124	124	100	1	1	---	---	---	9310
2905h (0)	aa05	enc. intf. flashing state	V	INT8				1	1	---	---	X	9310, 9312, 9313, 9314, 9315
2910h (0)	aa16	user parameter 0	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2911h (0)	aa17	user parameter 1	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2912h (0)	aa18	user parameter 2	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2913h (0)	aa19	user parameter 3	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2914h (0)	aa20	user parameter 4	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2915h (0)	aa21	user parameter 5	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2916h (0)	aa22	user parameter 6	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2917h (0)	aa23	user parameter 7	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2918h (0)	aa24	debug address setting	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2919h (0)	aa25	debug data byte access	V	INT8	-128	127	0	1	1	---	---	---	X
291Ah (0)	aa26	debug data word access	V	INT16	-32768	32767	0	1	1	---	---	---	X
291Bh (0)	aa27	debug data long access	V	INT32	-2147483648	2147483647	0	1	1	---	---	---	X
291Ch (0)	aa28	debug data float access	V	INT32	-8388609	2139095039	0	1	1	---	---	---	X
2920h (0)	aa32	int. data 1 access mode	V	UINT8	0	2	1	1	1	---	X	---	X
2921h (0)	aa33	int. data 1 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2922h (0)	aa34	int. data 1	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
2923h (0)	aa35	int. data 2 access mode	V	UINT8	0	2	1	1	1	---	X	---	X
2924h (0)	aa36	int. data 2 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2925h (0)	aa37	int. data 2	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2926h (0)	aa38	int. data 3 access mode	V	UINT8	0	2	1	1	1	---	X	---	X
2927h (0)	aa39	int. data 3 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2928h (0)	aa40	int. data 3	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
2929h (0)	aa41	int. data 4 access mode	V	UINT8	0	2	1	1	1	---	X	---	X
292Ah (0)	aa42	int. data 4 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
292Bh (0)	aa43	int. data 4	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
292Ch (0)	aa44	int. data 5 access mode	V	UINT8	0	2	2	1	1	---	X	---	X
292Dh (0)	aa45	int. data 5 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
292Eh (0)	aa46	int. data 5	V	INT32	-8388609	2139095039	0	1	1	---	X	---	X
292Fh (0)	aa47	int. data 6 access mode	V	UINT8	0	2	2	1	1	---	X	---	X
2930h (0)	aa48	int. data 6 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2931h (0)	aa49	int. data 6	V	INT32	-8388609	2139095039	0	1	1	---	X	---	X
2932h (0)	aa50	int. data 7 access mode	V	UINT8	0	2	2	1	1	---	X	---	X
2933h (0)	aa51	int. data 7 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2934h (0)	aa52	int. data 7	V	INT32	-8388609	2139095039	0	1	1	---	X	---	X
2935h (0)	aa53	int. data 8 access mode	V	UINT8	0	2	2	1	1	---	X	---	X
2936h (0)	aa54	int. data 8 address	V	UINT32	0	2147483647	0	1	1	---	X	---	X
2937h (0)	aa55	int. data 8	V	INT32	-8388609	2139095039	0	1	1	---	X	---	X
2946h (0)	aa70	enable new DTFact	V	UINT16	0	65535	0	1	1	---	---	---	X
2947h (0)	aa71	set DTFact	V	UINT16	0	5000	300	1	1	---	---	---	X
2950h (0)	aa80	found optimal current	V	UINT8	0	1	0	1	1	---	---	---	X
2955h (0)	aa85	period fast irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
2956h (0)	aa86	time fast irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
2957h (0)	aa87	mean time fast irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
2958h (0)	aa88	max time fast irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
2959h (0)	aa89	error level fast irq	V	UINT16	0	65535	1000	1	10	%	---	---	X
295Ah (0)	aa90	period mid irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
295Bh (0)	aa91	time mid irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
295Ch (0)	aa92	mean time mid irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
295Dh (0)	aa93	max time mid irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
295Eh (0)	aa94	error level mid irq	V	UINT16	0	65535	1000	1	10	%	---	---	X

Parameterliste

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
295Fh (0)	aa95	period slow irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
2960h (0)	aa96	time slow irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
2961h (0)	aa97	mean time slow irq	V	UINT16	---	---	---	1000	9375	µs	X	X	9312, 9313, 9314, 9315
2962h (0)	aa98	max time slow irq	V	UINT16				1000	9375	µs	X	X	9312, 9313, 9314, 9315
2963h (0)	aa99	error level slow irq	V	UINT16	0	65535	1000	1	10	%	---	---	X
2965h (0)	aa101	time main task	V	UINT16				1	16	ms	X	X	X
2967h (0)	aa103	max time main task	V	UINT16	0	0	0	1	16	ms	X	---	X

of-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
2D00h (0)	of00	graph 1 para select	V	INT32	0	16777215	8448	1	1	---	---	---	X
2D01h (0)	of01	graph 2 para select	V	INT32	-1	16777215	-1	1	1	---	---	---	X
2D02h (0)	of02	graph 3 para select	V	INT32	-1	16777215	-1	1	1	---	---	---	X
2D03h (0)	of03	graph 4 para select	V	INT32	-1	16777215	-1	1	1	---	---	---	X
2D04h (0)	of04	time base	V	UINT16	63	32000	500	1	1	µs	---	---	X
2D05h (0)	of05	trigger source	V	UINT16	0	65535	0	1	1	---	---	---	X
2D06h (0)	of06	trigger position	V	UINT16	0	100	0	1	1	%	---	---	X
2D07h (0)	of07	synchronisation	V	UINT8	0	255	0	1	1	---	---	---	X
2D08h (0)	of08	trigger status	V	UINT8	0	255	0	1	1	---	---	---	X
2D09h (0)	of09	select graph adr	V	UINT16	0	0	0	1	1	---	---	---	X
2D0Ah (0)	of10	read para 1	V	INT32	---	---	---	1	1	---	---	X	X
2D0Bh (0)	of11	read para 2	V	INT32	---	---	---	1	1	---	---	X	X
2D0Ch (0)	of12	read para 3	V	INT32	---	---	---	1	1	---	---	X	X
2D0Dh (0)	of13	read para 4	V	INT32	---	---	---	1	1	---	---	X	X
2D21h (0)	of33	scope data 1 defin.	V	INT32	---	---	---	1	1	---	---	X	X
2D22h (0)	of34	scope data 1 set	V	UINT8	---	---	---	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
2D23h (0)	of35	scope data 2 defin.	V	INT32	---	---	---	1	1	---	---	X	X
2D24h (0)	of36	scope data 2 set	V	UINT8	---	---	---	1	1	---	---	X	X
2D25h (0)	of37	scope data 3 defin.	V	INT32	---	---	---	1	1	---	---	X	X
2D26h (0)	of38	scope data 3 set	V	UINT8	---	---	---	1	1	---	---	X	X
2D27h (0)	of39	scope data 4 defin.	V	INT32	---	---	---	1	1	---	---	X	X
2D28h (0)	of40	scope data 4 set	V	UINT8	---	---	---	1	1	---	---	X	X

sb-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2F00h (0)	sb00	SACB flash block number	V	UINT8	0	25	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F01h (0)	sb01	SACB fl block data index	V	UINT16	0	2047	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F02h (0)	sb02	SACB flash block data	V	UINT8	0	255	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F03h (0)	sb03	SACB write fl block data	V	UINT8	0	1	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F04h (0)	sb04	SACB read fl block data	V	UINT8	0	255	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F05h (0)	sb05	SACB erase flash area	V	UINT16	0	32767	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F06h (0)	sb06	SACB flash data mode	V	UINT8	0	3	0	1	1	---	---	---	9309, 9310, 9312, 9313, 9315
2F07h (0)	sb07	SACB flash data address	V	UINT16	0	32767	0	1	1	---	---	---	9309, 9310, 9312, 9313, 9315
2F08h (0)	sb08	SACB flash data value	V	INT32	-2147483648	2147483647	0	1	1	---	---	---	9309, 9310, 9312, 9313, 9315
2F09h (0)	sb09	SACB flash data acknowledge	V	UINT8	0	255	0	1	1	---	---	---	9309, 9310, 9312, 9313, 9315
2F0Ah (0)	sb10	internal comm. data 1 mode	V	UINT8	0	3	0	1	1	---	---	---	X
2F0Bh (0)	sb11	internal comm. data 1 address	V	UINT16	0	32767	0	1	1	---	---	---	X
2F0Ch (0)	sb12	internal comm. data 1 value	V	INT32	-2147483648	2147483647	0	1	1	---	---	---	X
2F0Dh (0)	sb13	internal comm. data 1 acknow-ledge	V	UINT8				1	1	---	---	X	X
2F0Eh (0)	sb14	internal comm. data 2 mode	V	UINT8	0	3	0	1	1	---	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2F0Fh (0)	sb15	internal comm. data 2 address	V	UINT16	0	32767	0	1	1	---	---	---	X
2F10h (0)	sb16	internal comm. data 2 value	V	INT32	-2147483648	2147483647	0	1	1	---	---	---	X
2F11h (0)	sb17	internal comm. data 2 acknow-ledge	V	UINT8				1	1	---	---	X	X
2F12h (0)	sb18	internal comm. data 3 mode	V	UINT8	0	3	0	1	1	---	---	---	X
2F13h (0)	sb19	internal comm. data 3 address	V	UINT16	0	32767	0	1	1	---	---	---	X
2F14h (0)	sb20	internal comm. data 3 value	V	INT32	-2147483648	2147483647	0	1	1	---	---	---	X
2F15h (0)	sb21	internal comm. data 3 acknow-ledge	V	UINT8				1	1	---	---	X	X
2F16h (0)	sb22	internal comm. data 4 mode	V	UINT8	0	3	0	1	1	---	---	---	X
2F17h (0)	sb23	internal comm. data 4 address	V	UINT16	0	32767	0	1	1	---	---	---	X
2F18h (0)	sb24	internal comm. data 4 value	V	INT32	-2147483648	2147483647	0	1	1	---	---	---	X
2F19h (0)	sb25	internal comm. data 4 acknow-ledge	V	UINT8				1	1	---	---	X	X
2F1Ah (0)	sb26	power unit control word	ST	UINT8				1	1	---	---	X	9310, 9312, 9313, 9315
2F1Ah (1)	sb26	power unit CPU1 control word	ST	UINT16	0	65535	0	1	1	---	---	---	
2F1Ah (2)	sb26	power unit CPU2 control word	ST	UINT16	0	65535	0	1	1	---	---	---	
2F1Bh (0)	sb27	power unit status word	ST	UINT8				1	1	---	X	X	9310, 9312, 9313, 9315
2F1Bh (1)	sb27	power unit CPU1 status word	ST	UINT16	---	---	---	1	1	---	X	X	
2F1Bh (2)	sb27	power unit CPU2 status word	ST	UINT16	---	---	---	1	1	---	X	X	
2F1Ch (0)	sb28	safety mod. control word	V	UINT8	0	255	0	1	1	---	---	---	X
2F1Dh (0)	sb29	safety mod. status word	V	UINT32	---	---	---	1	1	---	X	X	X
2F1Eh (0)	sb30	internal comm. device data ad-dress	V	UINT16	---	---	---	1	1	---	---	X	X
2F1Fh (0)	sb31	internal comm. device data ack-nowledge	V	UINT8	0	255	0	1	1	---	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2F20h (0)	sb32	internal communication acknow-ledge	A	UINT8	3	3	3	1	1	---	---	X	X
2F20h (1...3)	sb32	internal communication acknow-ledge	A	UINT8				1	1	---	X	X	X
2F21h (0)	sb33	power unit int. comm. error coun-ter	ST	UINT8				1	1	---	---	X	9310, 9312, 9313, 9315
2F21h (1)	sb33	power unit int. comm. CPU1 er-ror counter	ST	UINT16	0	0	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F21h (2)	sb33	power unit int. comm. CPU2 er-ror counter	ST	UINT16	0	0	0	1	1	---	---	---	9310, 9312, 9313, 9315
2F22h (0)	sb34	safety mod. int. comm. error counter	A	UINT8	3	3	3	1	1	---	---	X	9312, 9313, 9314, 9315
2F22h (1...3)	sb34	safety mod. int. comm. error counter	A	UINT16	0	0	0	1	1	---	---	---	9312, 9313, 9314, 9315
2F23h (0)	sb35	enc. interf. int. comm. error coun-ter	A	UINT8	3	3	3	1	1	---	---	X	9312, 9314
2F23h (1...3)	sb35	enc. interf. int. comm. error coun-ter	A	UINT16	0	0	0	1	1	---	---	---	9312, 9314
2F24h (0)	sb36	enc. type A err. address	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310, 9312, 9314
2F25h (0)	sb37	enc. type A err. acknowledge	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310, 9312, 9314
2F26h (0)	sb38	enc. type B err. address	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310, 9312, 9314
2F27h (0)	sb39	enc. type B err. acknowledge	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310, 9312, 9314
2F28h (0)	sb40	safety mod. status word	V	UINT32	---	---	---	1	1	---	X	X	X
2F29h (0)	sb41	power unit CPU2 software versi-on	V	UINT32	---	---	---	1	1	---	---	X	9310, 9312, 9313, 9315
2F2Ah (0)	sb42	power unit CPU2 software date	V	UINT32	---	---	---	1	1	---	---	X	9310, 9312, 9313, 9315
2F30h (0)	sb48	internal comm. data 5 mode	V	UINT8	0	3	0	1	1	---	---	---	X
2F31h (0)	sb49	internal comm. long data 5 ad-dress	V	UINT32	0	2147483647	0	1	1	---	---	---	X
2F4Ah (0)	sb50	internal comm. data 5 value	V	INT32	-2147483648	2147483647	0	1	1	---	---	---	X
2F4Bh (0)	sb51	internal comm. data 5 acknow-ledge	V	UINT8	---	---	---	1	1	---	---	X	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
2F50h (0)	sb80	data long array	A	UINT8	8	8	8	1	1	---	---	X	9310, 9312, 9313
2F50h (1...8)	sb80	data long array	A	UINT32	0	2147483647	0	1	1	---	---	---	9310, 9312, 9313
2F51h (0)	sb81	data block nr	V	UINT8	0	255	0	1	1	---	---	---	9310, 9312, 9313
2F52h (0)	sb82	data blockwrite ready	V	UINT8	0	1	0	1	1	---	---	---	9310, 9312, 9313

ud-Parameter

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3001h (0)	ud01	password	V	INT16	0	9999	0	1	1	---	X	---	X
3002h (0)	ud02	recipe options	V	UINT32	0	31	0	1	1	---	X	---	X
3003h (0)	ud03	recipe inputs	V	UINT16	0	16383	0	1	1	---	X	---	X
3004h (0)	ud04	start recipe	V	UINT8	0	255	0	1	1	---	X	---	X
3007h (0)	ud07	recipe status	ST	UINT8	---	---	---	1	1	---	X	X	X
3007h (1)	ud07	last successful recipe ID	ST	UINT8	---	---	---	1	1	---	X	X	X
3007h (2)	ud07	download status	ST	UINT8	---	---	---	1	1	---	X	X	X
3007h (3)	ud07	info recipe ID	ST	UINT8	---	---	---	1	1	---	X	X	X
3007h (4)	ud07	actual line	ST	UINT16	---	---	---	1	1	---	X	X	X
3007h (5)	ud07	error code	ST	UINT8	---	---	---	1	1	---	X	X	X
300Ah (0)	ud10	exception history date	A	UINT8	16	16	16	1	1	---	---	X	X
300Ah (1...16)	ud10	exception history date	A	UINT32				1	1	*1	X	X	X
300Bh (0)	ud11	exception history time	A	UINT8	16	16	16	1	1	---	---	X	X
300Bh (1...16)	ud11	exception history time	A	UINT32				1	1	*1	X	X	X
300Ch (0)	ud12	history exception state	A	UINT8	16	16	16	1	1	---	---	X	X
300Ch (1...16)	ud12	history exception state	A	UINT8				1	1	---	X	X	X
300Dh (0)	ud13	history data 1	A	UINT8	16	16	16	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
300Dh (1...16)	ud13	history data 1	A	UINT32	---	---	---	1	1	---	X	X	X
300Eh (0)	ud14	history data 2	A	UINT8	16	16	16	1	1	---	---	X	X
300Eh (1...16)	ud14	history data 2	A	UINT32	---	---	---	1	1	---	X	X	X
300Fh (0)	ud15	history data 3	A	UINT8	16	16	16	1	1	---	---	X	X
300Fh (1...16)	ud15	history data 3	A	UINT32	---	---	---	1	1	---	X	X	X
3010h (0)	ud16	history data 4	A	UINT8	16	16	16	1	1	---	---	X	X
3010h (1...16)	ud16	history data 4	A	UINT32	---	---	---	1	1	---	X	X	X
3011h (0)	ud17	history data 1 selector	V	UINT32	0	16777215	8292	1	1	---	---	---	X
3012h (0)	ud18	history data 2 selector	V	UINT32	0	16777215	11280	1	1	---	---	---	X
3013h (0)	ud19	history data 3 selector	V	UINT32	0	16777215	11281	1	1	---	---	---	X
3014h (0)	ud20	history data 4 selector	V	UINT32	0	16777215	76825	1	1	---	---	---	X
301Eh (0)	ud30	OL2 current limits	ST	UINT8				1	1	---	X	X	X
301Eh (1)	ud30	Icont offset	ST	UINT32				1	100	A	X	X	X
301Eh (2)	ud30	Icont derating	ST	UINT32				1	100	A	X	X	X
301Eh (3)	ud30	Icont act switching freq	ST	UINT32	---	---	---	1	100	A	X	X	X
301Eh (4)	ud30	Imax OL2	ST	UINT32	---	---	---	1	100	A	X	X	X
301Eh (5)	ud30	Imax control	ST	UINT32	---	---	---	1	100	A	X	X	X
301Fh (0)	ud31	OL2 diagnostic counter	ST	UINT8	---	---	---	1	1	---	X	X	X
301Fh (1)	ud31	basic current	ST	UINT32	---	---	---	1	5	s	---	X	X
301Fh (2)	ud31	standard increase	ST	UINT32	---	---	---	1	5	s	---	X	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
301Fh (3)	ud31	extended increase	ST	UINT32	---	---	---	1	5	s	---	X	X
3028h (0)	ud40	vl velocity limit options	V	UINT16	0	65535	0	1	1	---	---	---	X
3029h (0)	ud41	maximum speed	ST	UINT8				1	1	---	---	X	X
3029h (1)	ud41	max speed mot for	ST	INT32	0	32000	2000	1	1	1/min	---	---	X
3029h (2)	ud41	max speed mot rev	ST	INT32	0	32000	2000	1	1	1/min	---	---	X
3029h (3)	ud41	max speed gen for	ST	INT32	0	32000	2000	1	1	1/min	---	---	X
3029h (4)	ud41	max speed gen rev	ST	INT32	0	32000	2000	1	1	1/min	---	---	X
302Ah (0)	ud42	lower limit level	ST	UINT8				1	1	---	---	X	X
302Ah (1)	ud42	lower limit level mot for	ST	INT32	0	32000	1000	1	1	1/min	---	---	X
302Ah (2)	ud42	lower limit level mot rev	ST	INT32	0	32000	1000	1	1	1/min	---	---	X
302Ah (3)	ud42	lower limit level gen for	ST	INT32	0	32000	1000	1	1	1/min	---	---	X
302Ah (4)	ud42	lower limit level gen rev	ST	INT32	0	32000	1000	1	1	1/min	---	---	X
302Bh (0)	ud43	average times	ST	UINT8				1	1	---	---	X	X
302Bh (1)	ud43	settle time	ST	UINT16	0	8000	100	1	1000	s	---	---	X
302Bh (2)	ud43	average time dyn limit calculation	ST	UINT16	0	8000	1000	1	1000	s	---	---	X
302Ch (0)	ud44	maximal power	ST	UINT8				1	1	---	---	X	X
302Ch (1)	ud44	max power mot for	ST	UINT32	0	1000000	4000	1	1000	kW	---	---	X
302Ch (2)	ud44	max power mot rev	ST	UINT32	0	1000000	4000	1	1000	kW	---	---	X
302Ch (3)	ud44	max power gen for	ST	UINT32	0	1000000	4000	1	1000	kW	---	---	X
302Ch (4)	ud44	max power gen rev	ST	UINT32	0	1000000	4000	1	1000	kW	---	---	X
302Dh (0)	ud45	power hysteresis	V	INT16	1000	2000	1050	1	1000	---	---	---	X
302Eh (0)	ud46	slow torque PT1	V	UINT32	0	500000	20000	1	1000	ms	---	---	X
302Fh (0)	ud47	speed hysteresis for ramp out	V	INT32	0	262144000	40960	1	8192	1/min	---	---	X
3030h (0)	ud48	speed level for cont calc	V	INT32	0	262144000	40960	1	8192	1/min	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3031h (0)	ud49	dyn vel limit state display	V	INT16				1	1	---	X	X	X
3032h (0)	ud50	F5 compatibility objects	ST	UINT8				1	1	---	X	X	X
3032h (1)	ud50	option code	ST	UINT16	0	255	0	1	1	---	---	---	X
3032h (2)	ud50	customer controlword 1	ST	UINT16	0	65535	0	1	1	---	X	---	X
3032h (3)	ud50	customer controlword 2	ST	UINT16	0	0	0	1	1	---	X	---	X
3032h (4)	ud50	customer statusword 1	ST	UINT16	---	---	---	1	1	---	X	X	X
3032h (5)	ud50	customer statusword 2	ST	UINT16	---	---	---	1	1	---	X	X	X
3032h (6)	ud50	percental set speed	ST	INT16	-16384	16384	0	100	16384	%	X	---	X
3032h (7)	ud50	actual speed	ST	INT16	---	---	---	100	16384	%	X	X	X
3032h (8)	ud50	actual torque	ST	INT16	---	---	---	1	1	Nm	X	X	X
3032h (9)	ud50	inverter temperature	ST	INT16	---	---	---	1	1	°C	X	X	X
3032h (10)	ud50	motor temperature	ST	INT16	---	---	---	1	1	°C	X	X	X
3032h (11)	ud50	error message	ST	UINT16				1	1	---	X	X	X
3032h (12)	ud50	relative load	ST	UINT16				1	1	%	X	X	X
3032h (13)	ud50	reference speed	ST	UINT16	10	65535	3000	1	1	1/min	X	---	X
3035h (0)	ud53	liquid cooling ctrl	ST	UINT8				1	1	---	X	X	9310, 9312, 9313, 9315
3035h (1)	ud53	source select	ST	UINT16	0	63	2	1	1	---	X	---	9310, 9312, 9313, 9315
3035h (2)	ud53	ref value	ST	UINT16	0	1000	500	1	10	°C	X	---	9310, 9312, 9313, 9315
3035h (3)	ud53	Kp [%PWM load per 1K]	ST	UINT32	0	100000	5000	1	1000	---	---	---	9310, 9312, 9313, 9315
3035h (4)	ud53	Tn	ST	UINT32	0	500000000	300000000	1	1000	ms	X	---	9310, 9312, 9313, 9315
3035h (5)	ud53	PI ctrl out	ST	INT16				1	100	%	X	X	9310, 9312, 9313, 9315

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3035h (6)	ud53	manual setting	ST	UINT16	0	1000	0	1	10	%	X	---	9310, 9312, 9313, 9315
3035h (7)	ud53	PWM period	ST	UINT16	40	200	120	1	10	s	X	---	9310, 9312, 9313, 9315
3035h (8)	ud53	PWM start value	ST	UINT8	0	100	0	1	1	%	X	---	9310, 9312, 9313, 9315
3035h (9)	ud53	PWM end value	ST	UINT8	0	100	100	1	1	%	X	---	9310, 9312, 9313, 9315
3035h (10)	ud53	minimal Pulse length	ST	UINT16	0	500	1	1	100	s	X	---	9310, 9312, 9313, 9315
3035h (11)	ud53	PWM actual load	ST	INT16				1	100	%	X	X	9310, 9312, 9313, 9315
3036h (0)	ud54	heatsink cooling PWM out state	V	UINT8				1	1	---	---	X	9310, 9312, 9313, 9315
3037h (0)	ud55	motor cooling ctrl	ST	UINT8				1	1	---	X	X	9310, 9312, 9313, 9315
3037h (1)	ud55	source select	ST	UINT16	0	33	0	1	1	---	X	---	9310, 9312, 9313, 9315
3037h (2)	ud55	ref value	ST	UINT16	0	2000	1000	1	10	°C	X	---	9310, 9312, 9313, 9315
3037h (3)	ud55	Kp [%PWM load per 1K]	ST	UINT32	0	100000	5000	1	1000	---	---	---	9310, 9312, 9313, 9315
3037h (4)	ud55	Tn	ST	UINT32	0	500000000	300000000	1	1000	ms	X	---	9310, 9312, 9313, 9315
3037h (5)	ud55	PI ctrl out	ST	INT16				1	100	%	X	X	9310, 9312, 9313, 9315
3037h (6)	ud55	manual setting	ST	UINT16	0	1000	0	1	10	%	X	---	9310, 9312, 9313, 9315
3037h (7)	ud55	PWM period	ST	UINT16	40	1200	600	1	10	s	X	---	9310, 9312, 9313, 9315
3037h (8)	ud55	PWM start value	ST	UINT8	0	100	0	1	1	%	X	---	9310, 9312, 9313, 9315
3037h (9)	ud55	PWM end value	ST	UINT8	0	100	100	1	1	%	X	---	9310, 9312, 9313, 9315
3037h (10)	ud55	minimal Pulse length	ST	UINT16	0	600	300	1	100	s	X	---	9310, 9312, 9313, 9315
3037h (11)	ud55	PWM actual load	ST	INT16				1	100	%	X	X	9310, 9312, 9313, 9315
3038h (0)	ud56	motor cooling PWM out state	V	UINT8				1	1	---	---	X	9310, 9312, 9313, 9315

di-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3200h (0)	di00	dig. input logic	V	UINT16	0	4095	0	1	1	---	X	---	X
3201h (0)	di01	dig. input src. sel.	V	UINT32	0	16777215	0	1	1	---	---	---	X
3202h (0)	di02	dig. input ext. src.	V	UINT16	0	4095	0	1	1	---	X	---	X
3204h (0)	di04	digital noise filter	V	UINT16	0	4000	0	1	2	ms	X	---	X
320Ah (0)	di10	RUN input	V	UINT16	0	65535	0	1	1	---	X	---	X
320Bh (0)	di11	RST input	V	UINT16	0	65535	0	1	1	---	X	---	X
320Ch (0)	di12	CA input	V	UINT16	0	65535	0	1	1	---	X	---	X
320Dh (0)	di13	CA mask	V	UINT16	0	65535	0	1	1	---	X	---	X
320Eh (0)	di14	CB input	V	UINT16	0	65535	0	1	1	---	X	---	X
320Fh (0)	di15	CB mask	V	UINT16	0	65535	0	1	1	---	X	---	X
3210h (0)	di16	forward input	V	UINT16	0	65535	0	1	1	---	X	---	X
3211h (0)	di17	reverse input	V	UINT16	0	65535	0	1	1	---	X	---	X
3212h (0)	di18	vl zero speed input	V	UINT16	0	65535	0	1	1	---	X	---	X
3213h (0)	di19	start posi/homing input	V	UINT16	0	65535	0	1	1	---	X	---	X
3214h (0)	di20	invert input	V	UINT16	0	65535	0	1	1	---	X	---	X
3215h (0)	di21	index input	V	UINT16	0	65535	0	1	1	---	X	---	X
3216h (0)	di22	index noise filter	V	UINT16	0	4000	0	1	2	ms	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3217h (0)	di23	halt input	V	UINT16	0	65535	0	1	1	---	X	---	X
3218h (0)	di24	strobe input	V	UINT16	0	65535	0	1	1	---	X	---	X
3219h (0)	di25	index strobe dependency	V	UINT16	0	2	0	1	1	---	X	---	X
321Ch (0)	di28	controlword input setting	ST	UINT8	---	---	---	1	1	---	---	X	X
321Ch (1)	di28	cw input 1	ST	UINT16	0	15	0	1	1	---	---	---	X
321Ch (2)	di28	cw input 2	ST	UINT16	0	15	0	1	1	---	---	---	X
321Dh (0)	di29	digital input controlword	V	UINT16	---	---	---	1	1	---	X	X	X
321Eh (0)	di30	I1 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
321Eh (1)	di30	I1 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
321Eh (2)	di30	I1 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
321Fh (0)	di31	I2 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
321Fh (1)	di31	I2 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
321Fh (2)	di31	I2 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3220h (0)	di32	I3 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3220h (1)	di32	I3 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3220h (2)	di32	I3 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3221h (0)	di33	I4 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3221h (1)	di33	I4 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3221h (2)	di33	I4 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3222h (0)	di34	I5 input function	ST	UINT8	---	---	---	1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3222h (1)	di34	I5 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3222h (2)	di34	I5 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3223h (0)	di35	I6 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3223h (1)	di35	I6 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3223h (2)	di35	I6 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3224h (0)	di36	I7 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3224h (1)	di36	I7 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3224h (2)	di36	I7 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3225h (0)	di37	I8 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3225h (1)	di37	I8 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3225h (2)	di37	I8 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3226h (0)	di38	IA input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3226h (1)	di38	IA input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3226h (2)	di38	IA input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3227h (0)	di39	IB input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3227h (1)	di39	IB input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3227h (2)	di39	IB input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
3228h (0)	di40	IC input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3228h (1)	di40	IC input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3228h (2)	di40	IC input function high	ST	UINT32	---	---	---	1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3229h (0)	di41	ID input function	ST	UINT8	---	---	---	1	1	---	X	X	X
3229h (1)	di41	ID input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
3229h (2)	di41	ID input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
322Ah (0)	di42	STO1 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
322Ah (1)	di42	STO1 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
322Ah (2)	di42	STO1 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
322Bh (0)	di43	STO2 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
322Bh (1)	di43	STO2 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
322Bh (2)	di43	STO2 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
322Ch (0)	di44	CW 1 input function	ST	UINT8	---	---	---	1	1	---	X	X	X
322Ch (1)	di44	CW 1 input function low	ST	UINT32	---	---	---	1	1	---	X	X	X
322Ch (2)	di44	CW 1 input function high	ST	UINT32	---	---	---	1	1	---	X	X	X
322Dh (0)	di45	CW 2 input function	ST	UINT8				1	1	---	X	X	X
322Dh (1)	di45	CW 2 input function low	ST	UINT32				1	1	---	X	X	X
322Dh (2)	di45	CW 2 input function high	ST	UINT32				1	1	---	X	X	X

hm-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3100h (0)	hm00	(CiA 0x607C) home offset	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
3101h (0)	hm01	(CiA 0x6098) homing method	V	INT8	1	37	37	1	1	---	X	---	X
3102h (0)	hm02	(CiA 0x6099 [1]) speed during search for switch	V	UINT32	0	2147483647	800	1	8	1/min	X	---	X

IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3103h (0) hm03	(CiA 0x6099 [2]) speed during search for zero	V	UINT32	0	2147483647	400	1	8	1/min	X	---	X
3104h (0) hm04	(CiA 0x609A) homing accelerati-on	V	INT32	1	1747626666	2000	1	100	---	X	---	X
3105h (0) hm05	digital inputs	V	UINT32				1	1	---	X	X	X
3106h (0) hm06	negative limit switch source	V	UINT16	0	65535	0	1	1	---	X	---	X
3107h (0) hm07	positive limit switch source	V	UINT16	0	65535	0	1	1	---	X	---	X
3108h (0) hm08	home switch source	V	UINT16	0	65535	0	1	1	---	X	---	X
3109h (0) hm09	position offset	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
310Ah (0) hm10	(CiA 0x60B8) touch probe functi-on	V	UINT16	0	59	0	1	1	---	X	---	X
310Bh (0) hm11	(CiA 0x60B9) touch probe status	V	UINT16				1	1	---	X	X	X
310Ch (0) hm12	(CiA 0x60BA) touch probe 1 po-sitive edge	V	INT32				1	1	---	X	X	X
310Dh (0) hm13	(CiA 0x60BB) touch probe 1 ne-gative edge	V	INT32				1	1	---	X	X	X
310Eh (0) hm14	home mode source	V	UINT16	0	16383	0	1	1	---	X	---	X
310Fh (0) hm15	excluded modes of operation for limit switch	V	UINT16	0	32767	4	1	1	---	X	---	X
3110h (0) hm16	excluded modes of operation for sw limits	V	UINT16	0	32767	4	1	1	---	X	---	X
3111h (0) hm17	limit switch handling	V	UINT8	0	255	8	1	1	---	X	---	X
3112h (0) hm18	limit switch speed lvl [%Nn]	V	UINT16	0	2000	0	1	10	%	X	---	X
3113h (0) hm19	maximal forward limit switch override	V	UINT32	0	2147483647	0	1	1	---	X	---	X
3114h (0) hm20	maximal reverse limit switch override	V	UINT32	0	2147483647	0	1	1	---	X	---	X
3115h (0) hm21	zero point distance	V	INT32				1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3116h (0)	hm22	zero point offset	V	INT16	-32768	32767	0	1	1	---	X	---	X
3117h (0)	hm23	homing options	V	UINT16	0	1	0	1	1	---	X	---	X

is-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3500h (0)	is00	Uic mode	V	UINT16	0	15	2	1	1	---	X	---	X
3501h (0)	is01	Uic PT1-time	V	UINT16	63	60000	5000	1	1000	ms	X	---	X
3502h (0)	is02	Uic comp voltage limit	V	UINT16	10	800	400	1	1	V	X	---	X
3503h (0)	is03	deadtime switch on/off	ST	UINT8				1	1	---	---	X	X
3503h (1)	is03	speed level [% dr04]	ST	UINT16	0	60000	0	1	10	%	---	---	X
3503h (2)	is03	fading time	ST	UINT16	0	60000	10	1	1	ms	---	---	X
3504h (0)	is04	deadtime IGBT-model	ST	UINT8				1	1	---	---	X	X
3504h (1)	is04	delta UDiode	ST	INT16	-30000	30000	0	1	100	V	---	---	X
3504h (2)	is04	delta tDelay [ns]	ST	INT16	-30000	30000	0	1	1	---	---	---	X
3504h (3)	is04	delta C [nF]	ST	INT16	-30000	30000	0	1	100	---	---	---	X
3504h (4)	is04	UDiode range	ST	UINT32	0	1133903872	1133903872	1	1	%	---	---	X
3504h (5)	is04	C high range	ST	UINT32	0	1148846080	1128792064	1	1	%	---	---	X
3504h (6)	is04	DT range	ST	UINT32	0	1140457472	1120403456	1	1	%	---	---	X
3504h (7)	is04	Rs range	ST	UINT32	0	1140457472	1140457472	1	1	%	---	---	X
3504h (8)	is04	identified UDiode	ST	UINT32				1	1	V	---	X	X
3504h (9)	is04	identified deadtime	ST	INT32				1	1	s	---	X	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3504h (10)	is04	identified C [F]	ST	UINT32				1	1	---	---	X	X
3504h (11)	is04	identified delta Rs	ST	INT32				1	1	Ω	---	X	X
3504h (12)	is04	safety factor	ST	INT16	0	10000	10000	1	100	%	---	---	X
3505h (0)	is05	deadtime index	V	UINT8	0	255	0	1	1	---	---	---	X
3506h (0)	is06	deadtime coeff.	V	UINT8	0	255	0	1	1	---	---	---	X
3507h (0)	is07	deadtime comp mode	V	UINT16	0	28	3	1	1	---	---	---	X
3508h (0)	is08	comp limit fact	V	UINT16	0	20000	10000	1	100	%	---	---	X
3509h (0)	is09	comp current fact	V	UINT16	0	20000	10000	1	100	%	---	---	X
350Ah (0)	is10	switching frequency	V	UINT16	200	1600	800	1	100	kHz	---	---	X
350Bh (0)	is11	max current [de28%]	V	UINT16	10	8000	8000	1	10	%	X	---	X
350Ch (0)	is12	display apparent current PT1	V	UINT16	0	65535	4000	1	1000	ms	X	---	X
350Dh (0)	is13	display torque PT1	V	UINT16	0	65535	4000	1	1000	ms	X	---	X
350Eh (0)	is14	overload protect mode	V	UINT16	0	2	0	1	1	---	X	---	X
350Fh (0)	is15	temp dep derating	V	UINT8	0	1	0	1	1	---	---	---	X
3510h (0)	is16	min. derating frequency	V	UINT16	0	800	0	1	100	kHz	X	---	X
3511h (0)	is17	temperature dependent OL2 off-set	V	UINT16	0	18	0	1	1	---	X	---	X
3512h (0)	is18	UP error level	V	UINT16	500	10000	2400	1	10	V	---	---	X
3513h (0)	is19	UP reset level	V	UINT16	3000	10000	3000	1	10	V	---	---	X
3514h (0)	is20	OL2 prot. gain	V	UINT16	0	45000	0	1	100	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3515h (0)	is21	OL2 safety fact	V	UINT16	500	1000	950	1	10	%	X	---	X
3516h (0)	is22	Basic Tp	V	UINT8	0	11	0	1	1	---	---	---	X
3517h (0)	is23	deadtime PT1-time	V	UINT16	0	60000	500	1	1000	ms	---	---	X
3518h (0)	is24	act. deadtime mode	V	UINT8				1	1	---	X	X	X
351Ah (0)	is26	HS fan start temp	V	INT16	-1	5000	0	1	10	°C	---	---	9310, 9312, 9313, 9314, 9315
351Bh (0)	is27	ID fan start temp	V	INT16	-1	5000	0	1	10	°C	---	---	9310, 9312, 9313, 9314, 9315
351Ch (0)	is28	HS fan full speed temp	V	INT16	0	5000	0	1	10	°C	---	---	9310, 9312, 9313, 9314, 9315
351Dh (0)	is29	ID fan full speed temp	V	INT16	0	5000	0	1	10	°C	---	---	9310, 9312, 9313, 9314, 9315
351Eh (0)	is30	braking transistor function	V	UINT16	0	1	0	1	1	---	---	---	X
351Fh (0)	is31	braking resistor data	ST	UINT8	---	---	---	1	1	---	---	X	X
351Fh (1)	is31	rated resistance at 20 degrees C	ST	UINT32	0	200000	0	1	100	Ω	---	---	X
351Fh (2)	is31	average dissipated power	ST	UINT32	---	---	---	1	1	W	---	X	X
351Fh (3)	is31	current electrical resistance	ST	UINT32	---	---	---	1	100	Ω	X	X	X
351Fh (4)	is31	current wire temperature	ST	INT16	---	---	---	1	10	°C	X	X	X
351Fh (5)	is31	peak wire temperature	ST	INT16	-1000	32767	200	1	10	°C	X	---	X
351Fh (6)	is31	peak power over braking resistor	ST	UINT32	0	2147483647	0	1	1	W	---	---	X
351Fh (7)	is31	error resistor data	ST	UINT8				1	1	---	X	X	X
351Fh (8)	is31	cumulated energy over braking resistor	ST	UINT32	0	2147483647	0	1	100	KWh	X	---	X
351Fh (9)	is31	current power over braking resistor	ST	UINT32				1	1	W	---	X	X
3522h (0)	is34	display power PT1	V	UINT16	0	65535	4000	1	1000	ms	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3523h (0)	is35	set current limit	V	UINT16	5000	9500	8333	1	100	%	---	---	X
3524h (0)	is36	hard/soft. curr. reg. (HSR,SSR)	V	UINT8	0	6	0	1	1	---	---	---	X
3525h (0)	is37	HSR/SSR current [OCLimit%]	V	UINT16	10	1000	833	1	10	%	---	---	X
3526h (0)	is38	HSR/SSR active counter	V	UINT32				1	1	---	X	X	X
3527h (0)	is39	display actual speed PT1	V	UINT16	0	65535	4000	1	1000	ms	X	---	X
3528h (0)	is40	deadtime coeff. fsw0	A	UINT8	64	64	64	1	1	---	---	X	X
3528h (1...64)	is40	deadtime coeff. fsw0	A	UINT8	0	255	0	1	1	---	---	---	X
3529h (0)	is41	deadtime coeff. fsw1	A	UINT8	64	64	64	1	1	---	---	X	X
3529h (1...64)	is41	deadtime coeff. fsw1	A	UINT8	0	255	0	1	1	---	---	---	X
352Ah (0)	is42	deadtime coeff. fsw2	A	UINT8	64	64	64	1	1	---	---	X	X
352Ah (1...64)	is42	deadtime coeff. fsw2	A	UINT8	0	255	0	1	1	---	---	---	X
352Bh (0)	is43	deadtime coeff. fsw3	A	UINT8	64	64	64	1	1	---	---	X	X
352Bh (1...64)	is43	deadtime coeff. fsw3	A	UINT8	0	255	0	1	1	---	---	---	X
352Ch (0)	is44	Usd	A	UINT8	64	64	64	1	1	---	---	X	X
352Ch (1...64)	is44	Usd	A	INT32				1	1	V	---	X	X
352Dh (0)	is45	Isd	A	UINT8	64	64	64	1	1	---	---	X	X
352Dh (1...64)	is45	Isd	A	INT32				1	1	A	---	X	X
352Eh (0)	is46	Ft	A	UINT8	64	64	64	1	1	---	---	X	X
352Eh (1...64)	is46	Ft	A	INT32				1	1	Hz	---	X	X
352Fh (0)	is47	Uic	A	UINT8	64	64	64	1	1	---	---	X	X
352Fh (1...64)	is47	Uic	A	INT32				1	1	V	---	X	X

dd-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3600h (0)	dd00	rotor detection	V	UINT16	0	255	0	1	1	---	X	---	X
3601h (0)	dd01	SCL rotor detection	V	UINT16	0	255	107	1	1	---	X	---	X
3602h (0)	dd02	rotor detection current	V	UINT16	1	3999	1000	1	10	%	X	---	X
3603h (0)	dd03	cvv current ramping time	V	UINT16	0	16000	500	1	1	ms	X	---	X
3604h (0)	dd04	cvv waiting time	V	UINT16	0	16000	3000	1	1	ms	X	---	X
3607h (0)	dd07	rotor det. 1.order level	V	UINT16	1	500	50	1	10	%	X	---	X
3608h (0)	dd08	rot. det. inf. (1.order)	V	UINT16				1	10	%	X	X	X
3609h (0)	dd09	rotor det. 2.order level	V	UINT16	1	500	200	1	10	%	X	---	X
360Ah (0)	dd10	rot. det. inf. (2.order)	V	UINT16				1	10	%	X	X	X
3610h (0)	dd16	speed search mode	V	UINT16	0	5	0	1	1	---	---	---	X
3612h (0)	dd18	speed search current[In]	V	UINT16	0	1999	500	1	10	%	---	---	X
3615h (0)	dd21	hf injection mode	V	UINT16	0	1	0	1	1	---	---	---	X
3616h (0)	dd22	hf inj. frequency	V	UINT16	5	20	10	1	10	kHz	---	---	X
3617h (0)	dd23	hf inj. optimisation factor	V	UINT16	19	100	20	1	10	---	---	---	X
3618h (0)	dd24	hf inj. ampl. factor	V	UINT16	250	1999	1000	1	10	%	---	---	X
3619h (0)	dd25	hf inj. speed ctrl red. factor	V	UINT16	100	1000	1000	1	10	%	---	---	X
361Ah (0)	dd26	hf inj. scan time	V	INT16	-1	7	-1	1	1	---	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
361Bh (0)	dd27	hf inj. angle precontrol mode	V	UINT16	0	1	0	1	1	---	---	---	X
361Ch (0)	dd28	hf inj. angle prec. factor [° @ In-Mot]	V	INT16	-1800	1800	0	1	10	---	---	---	X
361Dh (0)	dd29	hf inj. dev. time	V	UINT32	0	64000	0	1	1000	ms	---	---	X
361Eh (0)	dd30	hf inj. diff. rho current res. [°]	V	INT16				1	100	---	X	X	X

fc-Parameter

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3700h (0)	fc00	Umax regulation mode	V	UINT16	0	18	1	1	1	---	---	---	X
3701h (0)	fc01	KP Umax [%Irated/%U]	V	UINT32	0	10000000	0	1	1000	---	---	---	X
3702h (0)	fc02	KI Umax [%Irated/%U s]	V	UINT32	0	24000000	200000	1	1000	---	---	---	X
3703h (0)	fc03	Umax reference	V	UINT16	0	1100	970	1	10	%	---	---	X
3704h (0)	fc04	max. modulation grade	V	UINT16	0	1100	1000	1	10	%	X	---	X
3705h (0)	fc05	Umax reg. limit	V	UINT16	0	4000	1000	1	10	%	---	---	X
3710h (0)	fc16	ASM flux mode	V	UINT16	0	31	7	1	1	---	---	---	X
3711h (0)	fc17	ASM min. flux	V	UINT16	0	1000	950	1	10	%	---	---	X
3712h (0)	fc18	ASM KP flux [A/A]	V	UINT32	0	2147483647	0	1	1000	---	---	---	X
3713h (0)	fc19	ASM Tn flux	V	UINT32	0	2147483647	0	1	1000	ms	---	---	X
3714h (0)	fc20	ASM flux reg. limit	V	UINT16	0	1000	1000	1	10	%	---	---	X
3720h (0)	fc32	min. current (SM)	ST	UINT8				1	1	---	---	X	9312, 9313, 9314, 9315

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3720h (1)	fc32	min. current mode	ST	UINT16	0	2	0	1	1	---	---	---	9312, 9313, 9314, 9315
3720h (2)	fc32	min. current [%de80[1]]	ST	UINT16	0	10000	30	1	10	%	---	---	9312, 9313, 9314, 9315
3720h (3)	fc32	ramping time	ST	UINT16	0	60000	100	1	1	ms	---	---	9312, 9313, 9314, 9315

mo-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3800h (0)	mo00	saturation mode	V	UINT16	0	2047	0	1	1	---	---	---	X
3801h (0)	mo01	saturation coefficients	ST	UINT8				1	1	---	---	X	X
3801h (1)	mo01	Ld0 [H]	ST	UINT32	0	2139095039	0	1	1	---	---	---	X
3801h (2)	mo01	Ld1 [H]	ST	UINT32	0	2139095039	0	1	1	---	---	---	X
3801h (3)	mo01	Kd [1/A^2]	ST	INT32	-8388609	2139095039	0	1	1	---	---	---	X
3801h (4)	mo01	Kdq [1/A^2]	ST	INT32	-8388609	2139095039	0	1	1	---	---	---	X
3801h (5)	mo01	Lq0[H]	ST	UINT32	0	2139095039	0	1	1	---	---	---	X
3801h (6)	mo01	Lq1[H]	ST	UINT32	0	2139095039	0	1	1	---	---	---	X
3801h (7)	mo01	Kq [1/A^2]	ST	INT32	-8388609	2139095039	0	1	1	---	---	---	X
3801h (8)	mo01	Kqd [1/A^2]	ST	INT32	-8388609	2139095039	0	1	1	---	---	---	X
3801h (9)	mo01	Psi0 [Vs]	ST	UINT32	0	2139095039	0	1	1	---	---	---	X
3801h (10)	mo01	Psi1 [Vs]	ST	UINT32	0	2139095039	0	1	1	---	---	---	X
3801h (11)	mo01	Kpd [1/A^2]	ST	INT32	-8388609	2139095039	0	1	1	---	---	---	X
3801h (12)	mo01	Kpq [1/A^2]	ST	INT32	-8388609	2139095039	0	1	1	---	---	---	X

IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3801h (13)	mo01	I0 [A]	ST	UINT32	0	2139095039	0	1	1	---	---	---	X
3802h (0)	mo02	saturation coef. dr-group	ST	UINT8	---	---	---	1	1	---	---	X	X
3802h (1)	mo02	Ld0 [H]	ST	UINT32	---	---	---	1	1	---	---	X	X
3802h (2)	mo02	Ld1 [H]	ST	UINT32	---	---	---	1	1	---	---	X	X
3802h (3)	mo02	Kd [1/A^2]	ST	INT32	---	---	---	1	1	---	---	X	X
3802h (4)	mo02	Kdq [1/A^2]	ST	INT32	---	---	---	1	1	---	---	X	X
3802h (5)	mo02	Lq0[H]	ST	UINT32	---	---	---	1	1	---	---	X	X
3802h (6)	mo02	Lq1[H]	ST	UINT32	---	---	---	1	1	---	---	X	X
3802h (7)	mo02	Kq [1/A^2]	ST	INT32	---	---	---	1	1	---	---	X	X
3802h (8)	mo02	Kqd [1/A^2]	ST	INT32	---	---	---	1	1	---	---	X	X
3802h (9)	mo02	Psi0 [Vs]	ST	UINT32	---	---	---	1	1	---	---	X	X
3802h (10)	mo02	Psi1 [Vs]	ST	UINT32	---	---	---	1	1	---	---	X	X
3802h (11)	mo02	Kpd [1/A^2]	ST	INT32	---	---	---	1	1	---	---	X	X
3802h (12)	mo02	Kpq [1/A^2]	ST	INT32	---	---	---	1	1	---	---	X	X
3802h (13)	mo02	I0[A]	ST	UINT32	---	---	---	1	1	---	---	X	X
3803h (0)	mo03	fill table sel. (mo04..mo10)	V	UINT16	0	1	0	1	1	---	---	---	X
3804h (0)	mo04	Isq opt. array (Iq=f(M))	A	UINT8	16	16	16	1	1	---	---	X	X
3803h (1...16)	mo04	Isq opt. array (Iq=f(M))		UINT32	0	2139095039	0	1	1	A	---	---	X
3805h (0)	mo05	Isd opt. array (Id=f(M))	A	UINT8	16	16	16	1	1	---	---	X	X
3805h (1...16)	mo05	Isd opt. array (Id=f(M))		INT32	-8388609	2139095039	0	1	1	A	---	---	X
3806h (0)	mo06	MLim array (M=f(Imax))	A	UINT8	16	16	16	1	1	---	---	X	X

IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3806h (1...16)	mo06	MLim array (M=f(Imax))		UINT32	0	2139095039	0	1	1	Nm	---	---	X
3808h (0)	mo08	IqLim array (I=f(IdRef))	A	UINT8	16	16	16	1	1	---	---	X	X
3808h (1...16)	mo08	IqLim array (I=f(IdRef))		UINT32	0	2139095039	0	1	1	A	---	---	X
3809h (0)	mo09	Current Tab. x-axis [A]	V	UINT32	0	2139095039	0	1	1	A	---	---	X
380Ah (0)	mo10	Torque Tab. x-axis [Nm]	V	UINT32	0	2139095039	0	1	1	Nm	---	---	X
3810h (0)	mo16	cogging mode	V	UINT8	0	1	0	1	1	---	X	---	X
3811h (0)	mo17	cogg. frequency factor	A	UINT8	4	4	4	1	1	---	---	X	X
3811h (1...4)	mo17	cogg. frequency factor		INT8	0	127	0	1	1	---	X	---	X
3812h (0)	mo18	cogg. magnitude [%Mn]	A	UINT8	4	4	4	1	1	---	---	X	X
3812h (1...4)	mo18	cogg. magnitude [%Mn]		INT16	0	1024	0	100	1024	%	X	---	X
3813h (0)	mo19	cogg. phase [°]	A	UINT8	4	4	4	1	1	---	---	X	X
3813h (1...4)	mo19	cogg. phase [°]		INT16	-32768	32767	0	100	18204	---	X	---	X
3814h (0)	mo20	cogg. fade out speed 100% [rpm]	V	INT32	0	819200000	819200	1	8192	1/min	X	---	X
3815h (0)	mo21	cogg. fade out speed 0% [rpm]	V	INT32	0	819200000	8192000	1	8192	1/min	X	---	X
3816h (0)	mo22	cogging PT1-time	V	INT16	0	32767	4096	1	4096	ms	X	---	X
3820h (0)	mo32	ASM u/f offset	V	INT16	-8192	8192	0	100	16384	%	X	---	X
3821h (0)	mo33	act. torque offset	V	INT32	---	---	---	1	1000	Nm	X	X	X
3822h (0)	mo34	torque offset corr. enable	V	UINT8	0	1	0	1	1	---	X	---	X
3823h (0)	mo35	torque offset ident	V	UINT8	0	1	0	1	1	---	X	---	X
3824h (0)	mo36	torque offset ident state	V	UINT8	---	---	---	1	1	---	X	X	X
3825h (0)	mo37	torque offset ident error info	V	UINT8	---	---	---	1	1	---	X	X	X
3826h (0)	mo38	torque offset ident config	ST	UINT8	---	---	---	1	1	---	X	X	X
3826h (1)	mo38	start speed	ST	UINT16	1	3000	50	1	10	%	X	---	X
3826h (2)	mo38	end speed	ST	UINT16	1	3000	1300	1	10	%	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3826h (3)	mo38	ident torque source	ST	UINT8	0	1	1	1	1	---	X	---	X
3826h (4)	mo38	ident speed source	ST	UINT8	0	1	0	1	1	---	X	---	X
3826h (5)	mo38	ident max torque deviation	ST	UINT8	1	100	30	1	10	%	X	---	X
3826h (6)	mo38	ident max speed deviation	ST	UINT8	1	100	30	1	10	%	X	---	X
3826h (7)	mo38	ident torque number of samples	ST	UINT16	10	1000	1000	1	1	---	X	---	X
3826h (8)	mo38	ident speed stability check durati-on	ST	UINT16	10	1000	30	1	1	ms	X	---	X
3826h (9)	mo38	ident speed max settle duration	ST	UINT16	100	5000	500	1	1	ms	X	---	X
3827h (0)	mo39	torque offset data fsw0	ST	UINT8				1	1	---	X	X	X
3827h (1)	mo39	data status fsw0	ST	UINT8	0	1	0	1	1	%	X	---	X
3827h (2)	mo39	starting speed fsw0	ST	INT32	1	1048576000	581703	1	8192	1/min	X	---	X
3827h (3)	mo39	speed step fsw0	ST	INT32	1	1048576000	969387	1	8192	1/min	X	---	X
3827h (4)	mo39	control mode fsw0	ST	UINT8	1	3	3	1	1	---	X	---	X
3828h (0)	mo40	torque offset data fsw1	ST	UINT8				1	1	---	X	X	X
3828h (1)	mo40	data status fsw1	ST	UINT8	0	1	0	1	1	%	X	---	X
3828h (2)	mo40	starting speed fsw1	ST	INT32	1	1048576000	581703	1	8192	1/min	X	---	X
3828h (3)	mo40	speed step fsw1	ST	INT32	1	1048576000	969387	1	8192	1/min	X	---	X
3828h (4)	mo40	control mode fsw1	ST	UINT8	1	3	3	1	1	---	X	---	X
3829h (0)	mo41	torque offset data fsw2	ST	UINT8				1	1	---	X	X	X
3829h (1)	mo41	data status fsw2	ST	UINT8	0	1	0	1	1	%	X	---	X
3829h (2)	mo41	starting speed fsw2	ST	INT32	1	1048576000	581703	1	8192	1/min	X	---	X
3829h (3)	mo41	speed step fsw2	ST	INT32	1	1048576000	969387	1	8192	1/min	X	---	X
3829h (4)	mo41	control mode fsw2	ST	UINT8	1	3	3	1	1	---	X	---	X
382Ah (0)	mo42	torque offset data fsw3	ST	UINT8				1	1	---	X	X	X
382Ah (1)	mo42	data status fsw3	ST	UINT8	0	1	0	1	1	%	X	---	X
382Ah (2)	mo42	starting speed fsw3	ST	INT32	1	1048576000	581703	1	8192	1/min	X	---	X
382Ah (3)	mo42	speed step fsw3	ST	INT32	1	1048576000	969387	1	8192	1/min	X	---	X
382Ah (4)	mo42	control mode fsw3	ST	UINT8	1	3	3	1	1	---	X	---	X
382Bh (0)	mo43	torque offset array fsw0	A	UINT8	16	16	16	1	1	---	---	X	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
382Bh (1...16)	mo43	torque offset array fsw0		INT32	-8388609	2139095039	0	1	1	Nm	X	---	X
382Ch (0)	mo44	torque offset array fsw1	A	UINT8	16	16	16	1	1	---	---	X	X
382Ch (1...16)	mo44	torque offset array fsw1		INT32	-8388609	2139095039	0	1	1	Nm	X	---	X
382Dh (0)	mo45	torque offset array fsw2	A	UINT8	16	16	16	1	1	---	---	X	X
382Dh (1...16)	mo45	torque offset array fsw2		INT32	-8388609	2139095039	0	1	1	Nm	X	---	X
382Eh (0)	mo46	torque offset array fsw3	A	UINT8	16	16	16	1	1	---	---	X	X
382Eh (1...16)	mo46	torque offset array fsw3		INT32	-8388609	2139095039	0	1	1	Nm	X	---	X

cu-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
3911h (0)	cu17	C Uic (uF)	V	UINT32	0	2000000000	0	1	1	---	---	---	X
3920h (0)	cu32	power off	ST	UINT8				1	1	---	---	X	X
3920h (1)	cu32	power off mode	ST	UINT16	0	1	0	1	1	---	---	---	X
3920h (2)	cu32	DC voltage trigger level [ru63%]	ST	UINT16	0	2000	800	1	10	%	---	---	X
3920h (3)	cu32	DC voltage ref. [ru63%]	ST	UINT16	0	3000	880	1	10	%	---	---	X
3920h (4)	cu32	restart speed level [Nn%]	ST	UINT16	0	10000	150	1	10	%	---	---	X
3920h (5)	cu32	stopping speed level [Nn%]	ST	UINT16	0	10000	100	1	10	%	---	---	X
3920h (6)	cu32	deactivation time	ST	UINT16	0	60000	100	1	100	s	---	---	X
3920h (7)	cu32	power off state	ST	UINT8				1	1	---	X	X	X
3920h (8)	cu32	Kp Uic [In%/V]	ST	UINT32				1	10000	---	---	X	X
3920h (9)	cu32	Tn Uic	ST	UINT32				1	1000	ms	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Einheit	PD	RO	E-OAD
3920h (10)	cu32	torque limit Uic gen.	ST	INT16	-1	10000	1000	1	10	%	---	---	X
3920h (11)	cu32	torque limit Uic mot.	ST	INT16	-1	10000	100	1	10	%	---	---	X
3920h (12)	cu32	optimisation factor	ST	UINT8	19	100	40	1	10	---	---	---	X

an-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3300h (0)	an00	AN1 interface selection	V	UINT8	0	2	0	1	1	---	X	---	X
3301h (0)	an01	AN1 mean filter	V	UINT8	0	15	4	1	4	ms	X	---	X
3302h (0)	an02	AN1 PT1 filter	V	UINT16	0	65535	1000	1	1000	ms	X	---	X
3304h (0)	an04	AN1 zero point hysteresis	V	UINT16	0	1000	82	100	4096	%	X	---	X
3305h (0)	an05	AN1 gain	V	INT16	-20000	20000	1000	1	1000	---	X	---	X
3306h (0)	an06	AN1 offset X	V	INT16	-4096	4096	0	100	4096	%	X	---	X
3307h (0)	an07	AN1 offset Y	V	INT16	-4096	4096	0	100	4096	%	X	---	X
3308h (0)	an08	AN1 neg limit	V	INT16	-16384	16384	-16384	100	4096	%	X	---	X
3309h (0)	an09	AN1 pos limit	V	INT16	-16384	16384	16384	100	4096	%	X	---	X
330Ah (0)	an10	AN2 interface selection	V	UINT8	0	2	0	1	1	---	X	---	X
330Bh (0)	an11	AN2 mean filter	V	UINT8	0	15	4	1	4	ms	X	---	X
330Ch (0)	an12	AN2 PT1 filter	V	UINT16	0	65535	1000	1	1000	ms	X	---	X
330Eh (0)	an14	AN2 zero point hysteresis	V	UINT16	0	1000	82	100	4096	%	X	---	X
330Fh (0)	an15	AN2 gain	V	INT16	-20000	20000	1000	1	1000	---	X	---	X
3310h (0)	an16	AN2 offset X	V	INT16	-4096	4096	0	100	4096	%	X	---	X
3311h (0)	an17	AN2 offset Y	V	INT16	-4096	4096	0	100	4096	%	X	---	X
3312h (0)	an18	AN2 neg limit	V	INT16	-16384	16384	-16384	100	4096	%	X	---	X
3313h (0)	an19	AN2 pos limit	V	INT16	-16384	16384	16384	100	4096	%	X	---	X
331Eh (0)	an30	REF and AUX function	V	UINT16	0	65535	0	1	1	---	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
331Fh (0)	an31	REF selector	V	UINT32	0	16777215	0	1	1	---	---	---	X
3320h (0)	an32	REF norm fact	V	INT32	-2147483647	2147483647	0	1	10000	---	X	---	X
3321h (0)	an33	REF norm status	V	UINT8				1	1	---	X	X	X
3322h (0)	an34	AUX selector	V	UINT32	0	16777215	0	1	1	---	---	---	X
3323h (0)	an35	AUX norm fact	V	INT32	-2147483647	2147483647	0	1	10000	---	X	---	X
3324h (0)	an36	AUX norm status	V	UINT8				1	1	---	X	X	X
3325h (0)	an37	ANOUT1 function	V	UINT8	0	18	0	1	1	---	---	---	X
3326h (0)	an38	ANOUT1 value	V	UINT16	0	1000	0	1	10	%	X	---	X
3327h (0)	an39	ANOUT1 gain	V	INT16	-20480	20480	1024	1	1024	---	X	---	X
3328h (0)	an40	ANOUT1 offset X	V	INT16	-32767	32767	0	100	32767	%	X	---	X
3329h (0)	an41	ANOUT1 offset Y	V	INT16	-32767	32767	0	100	32767	%	X	---	X
332Ah (0)	an42	ANOUT2 selector	V	UINT32	0	16777215	0	1	1	---	---	---	X
332Bh (0)	an43	ANOUT2 norm fact	V	INT32	-2147483647	2147483647	0	1	100000000	---	X	---	X
332Ch (0)	an44	ANOUT2 display	V	INT32				1	1	---	X	X	X
332Dh (0)	an45	ANOUT3 selector	V	UINT32	0	16777215	0	1	1	---	---	---	X
332Eh (0)	an46	ANOUT3 norm fact	V	INT32	-2147483647	2147483647	0	1	100000000	---	X	---	X
332Fh (0)	an47	ANOUT3 display	V	INT32				1	1	---	X	X	X
333Ch (0)	an60	PID Kp	V	INT32	0	2147483647	10000	1	10000	---	X	---	X
333Dh (0)	an61	PID Tn	V	INT32	0	2147483647	33000	1	1000	ms	X	---	X
333Eh (0)	an62	PID Kd	V	INT32	0	2147483647	0	1	10000	---	X	---	X
333Fh (0)	an63	PID positive limit	V	INT16	0	16384	4096	100	4096	%	X	---	X
3340h (0)	an64	PID negative limit	V	INT16	-16384	0	-4096	100	4096	%	X	---	X
3341h (0)	an65	PID reference offset	V	INT16	-16384	16384	0	100	4096	%	X	---	X
3342h (0)	an66	PID reference source	V	UINT8	0	5	0	1	1	%	X	---	X
3343h (0)	an67	PID actual value setting	V	INT16	-16384	16384	0	100	4096	%	X	---	X
3344h (0)	an68	PID actual value source	V	UINT8	0	12	0	1	1	%	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3345h (0)	an69	PID internal reset condition	V	UINT32	0	268435455	262111	1	1	---	X	---	X
3346h (0)	an70	PID reset integral term input	V	UINT16	0	65535	0	1	1	---	X	---	X
3347h (0)	an71	PID deactivation input	V	UINT16	0	65535	0	1	1	---	X	---	X
3348h (0)	an72	PID preload value	V	INT16	-16384	16384	0	100	4096	%	X	---	X
3349h (0)	an73	PID fade out input	V	UINT16	0	65535	0	1	1	---	X	---	X
334Ah (0)	an74	PID fade out time	V	INT32	0	2147483647	0	1	1000	s	X	---	X

pr-Parameter

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1000h (0)	pr	device type	V	UINT32				1	1	---	---	X	X
1001h (0)	pr	error register	V	UINT8				1	1	---	X	X	X
1003h (0)	pr	Pre-defined error field	ST	UINT8	0	5	0	1	1	---	---	---	X
1003h (1)	pr	Standard error field	ST	UINT32	---	---	---	1	1	---	---	X	X
1003h (2)	pr	Standard error field	ST	UINT32	---	---	---	1	1	---	---	X	X
1003h (3)	pr	Standard error field	ST	UINT32	---	---	---	1	1	---	---	X	X
1003h (4)	pr	Standard error field	ST	UINT32	---	---	---	1	1	---	---	X	X
1003h (5)	pr	Standard error field	ST	UINT32	---	---	---	1	1	---	---	X	X
1005h (0)	pr	cob-ID sync message	V	UINT32	128	128	128	1	1	---	---	---	X
1008h (0)	pr	Manufacturer device name	V	UINT8	---	---	---	1	1	---	---	X	X
1009h (0)	pr	Hardware Version	V	UINT8				1	1	---	---	X	X
100Ah (0)	pr	Software Version	V	UINT8				1	1	---	---	X	X

Parameterliste

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
100Ch (0)	pr	guard time	V	UINT16	0	65535	0	1	1	---	---	---	X
100Dh (0)	pr	life time factor	V	UINT8	0	255	0	1	1	---	---	---	X
1016h (0)	pr	consumer heartbeat time	A	UINT8	1	1	1	1	1	---	---	X	X
1016h (1...1)	pr	consumer heartbeat time	A	UINT32	0	8388607	0	1	1	---	---	---	X
1017h (0)	pr	producer heartbeat time	V	UINT16	0	65535	0	1	1	ms	---	---	X
1018h (0)	pr	identity object	ST	UINT8	---	---	---	1	1	---	---	X	X
1018h (1)	pr	vendor ID	ST	UINT32	---	---	---	1	1	---	---	X	X
1018h (2)	pr	product code	ST	UINT32	---	---	---	1	1	---	---	X	X
1018h (3)	pr	revision number	ST	UINT32	---	---	---	1	1	---	---	X	X
1018h (4)	pr	serial number	ST	UINT32	---	---	---	1	1	---	---	X	X
1029h (0)	pr	error behavior	A	UINT8	1	1	1	1	1	---	---	X	X
1029h (1...1)	pr	error behavior	A	UINT8	0	2	1	1	1	---	---	---	X
1400h (0)	pr	1st RPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1400h (1)	pr	cob-ID	ST	UINT32	1	2147483647	513	1	1	---	---	---	X
1400h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X
1401h (0)	pr	2nd RPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1401h (1)	pr	cob-ID	ST	UINT32	1	2147483647	769	1	1	---	---	---	X
1401h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X
1402h (0)	pr	3rd RPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1402h (1)	pr	cob-ID	ST	UINT32	1	2147483647	1025	1	1	---	---	---	X
1402h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1403h (0)	pr	4th RPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1403h (1)	pr	cob-ID	ST	UINT32	1	2147483647	1281	1	1	---	---	---	X
1403h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X
1600h (0)	pr	1st receive PDO mapping	ST	UINT8	0	32	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (9)	pr	9th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (10)	pr	10th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (11)	pr	11th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (12)	pr	12th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (13)	pr	13th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (14)	pr	14th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1600h (15)	pr	15th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (16)	pr	16th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (17)	pr	17th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (18)	pr	18th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (19)	pr	19th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (20)	pr	20th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (21)	pr	21st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (22)	pr	22nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (23)	pr	23rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (24)	pr	24th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (25)	pr	25th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (26)	pr	26th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (27)	pr	27th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (28)	pr	28th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (29)	pr	29th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (30)	pr	30th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1600h (31)	pr	31st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1600h (32)	pr	32nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1601h (0)	pr	2nd receive PDO mapping	ST	UINT8	0	8	0	1	1	---	---	---	X
1601h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1601h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1601h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1601h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1601h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1601h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1601h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1601h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1602h (0)	pr	3rd receive PDO mapping	ST	UINT8	0	8	0	1	1	---	---	---	X
1602h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1602h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1602h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1602h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1602h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1602h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1602h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1602h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (0)	pr	4th receive PDO mapping	ST	UINT8	0	8	0	1	1	---	---	---	X
1603h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1603h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1800h (0)	pr	1st TPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1800h (1)	pr	cob-ID	ST	UINT32	1	2147483647	385	1	1	---	---	---	X
1800h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X
1800h (3)	pr	inhibit time	ST	UINT16	0	65535	100	1	10	ms	---	---	X
1800h (4)	pr	reserved	ST	UINT8				1	1	---	---	X	X
1800h (5)	pr	event time	ST	UINT16	0	65535	0	1	1	---	---	---	X
1801h (0)	pr	2nd TPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1801h (1)	pr	cob-ID	ST	UINT32	1	2147483647	641	1	1	---	---	---	X
1801h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1801h (3)	pr	inhibit time	ST	UINT16	0	65535	100	1	10	ms	---	---	X
1801h (4)	pr	reserved	ST	UINT8				1	1	---	---	X	X
1801h (5)	pr	event time	ST	UINT16	0	65535	0	1	1	---	---	---	X
1802h (0)	pr	3rd TPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1802h (1)	pr	cob-ID	ST	UINT32	1	2147483647	897	1	1	---	---	---	X
1802h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X
1802h (3)	pr	inhibit time	ST	UINT16	0	65535	100	1	10	ms	---	---	X
1802h (4)	pr	reserved	ST	UINT8				1	1	---	---	X	X
1802h (5)	pr	event time	ST	UINT16	0	65535	0	1	1	---	---	---	X
1803h (0)	pr	4th TPDO communication para-meter	ST	UINT8				1	1	---	---	X	X
1803h (1)	pr	cob-ID	ST	UINT32	1	2147483647	1153	1	1	---	---	---	X
1803h (2)	pr	transmission type	ST	UINT8	0	255	254	1	1	---	---	---	X
1803h (3)	pr	inhibit time	ST	UINT16	0	65535	100	1	10	ms	---	---	X
1803h (4)	pr	reserved	ST	UINT8				1	1	---	---	X	X
1803h (5)	pr	event time	ST	UINT16	0	65535	0	1	1	---	---	---	X
1A00h (0)	pr	1st transmit PDO mapping	ST	UINT8	0	32	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1A00h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (9)	pr	9th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (10)	pr	10th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (11)	pr	11th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (12)	pr	12th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (13)	pr	13th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (14)	pr	14th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (15)	pr	15th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (16)	pr	16th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (17)	pr	17th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (18)	pr	18th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (19)	pr	19th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (20)	pr	20th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (21)	pr	21st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1A00h (22)	pr	22nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (23)	pr	23rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (24)	pr	24th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (25)	pr	25th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (26)	pr	26th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (27)	pr	27th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (28)	pr	28th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (29)	pr	29th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (30)	pr	30th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (31)	pr	31st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A00h (32)	pr	32nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	9312, 9313, 9314, 9315
1A01h (0)	pr	2nd transmit PDO mapping	ST	UINT8	0	8	0	1	1	---	---	---	X
1A01h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A01h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A01h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A01h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A01h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A01h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1A01h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A01h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (0)	pr	3rd transmit PDO mapping	ST	UINT8	0	8	0	1	1	---	---	---	X
1A02h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A02h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A03h (0)	pr	4th transmit PDO mapping	ST	UINT8	0	8	0	1	1	---	---	---	X
1A03h (1)	pr	1st Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A03h (2)	pr	2nd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A03h (3)	pr	3rd Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A03h (4)	pr	4th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A03h (5)	pr	5th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A03h (6)	pr	6th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1A03h (7)	pr	7th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1A03h (8)	pr	8th Mapped Object	ST	UINT32	0	2147483647	0	1	1	---	---	---	X
1C00h (0)	pr	Sync Manager Communication Type	A	UINT8	4	4	4	1	1	---	---	X	X
1C00h (1...4)	pr			UINT8				1	1	---	---	X	X
1C12h (0)	pr	sync manager 2 PDO assign	A	UINT8	2	2	2	1	1	---	---	X	X
1C12h (1...2)	pr			UINT16	---	---	---	1	1	---	---	X	X
1C13h (0)	pr	sync manager 3 PDO assign	A	UINT8	2	2	2	1	1	---	---	X	X
1C13h (1...2)	pr			UINT16	---	---	---	1	1	---	---	X	X
1C32h (0)	pr	Output sync manager para	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (1)	pr	Sync mode	ST	UINT16	---	---	---	1	1	---	---	X	X
1C32h (2)	pr	Cycle Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C32h (3)	pr	Shift Time	ST	UINT32	---	---	---	1	1	---	---	X	X
1C32h (4)	pr	Sync modes supported	ST	UINT16	---	---	---	1	1	---	---	X	X
1C32h (5)	pr	Minimum Cycle Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C32h (6)	pr	Calc and Copy Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C32h (7)	pr	Minimum Delay Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C32h (8)	pr	Get Cycle Time	ST	UINT16	---	---	---	1	1	---	---	X	X
1C32h (9)	pr	Delay Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C32h (10)	pr	Sync0 Cycle Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1C32h (11)	pr	SM-Event Missed	ST	UINT16	---	---	---	1	1	---	---	X	X
1C32h (12)	pr	Cycle Time Too Small	ST	UINT16	---	---	---	1	1	---	---	X	X
1C32h (13)	pr	Shift Time Too Short	ST	UINT16	---	---	---	1	1	---	---	X	X
1C32h (14)	pr	RxPDO Toggle Failed	ST	UINT16	---	---	---	1	1	---	---	X	X
1C32h (15)	pr	Minimum Cycle Distance	ST	UINT32	---	---	---	1	1	µs	---	X	X
1C32h (16)	pr	Maximum Cycle Distance	ST	UINT32	---	---	---	1	1	µs	---	X	X
1C32h (17)	pr	Minimum SM SYNC Distance	ST	UINT32	---	---	---	1	1	µs	---	X	X
1C32h (18)	pr	Maximum SM SYNC Distance	ST	UINT32	---	---	---	1	1	µs	---	X	X
1C32h (19)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (20)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (21)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (22)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (23)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (24)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (25)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (26)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (27)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1C32h (28)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (29)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (30)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (31)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C32h (32)	pr	Sync Error	ST	UINT8	---	---	---	1	1	---	X	X	X
1C33h (0)	pr	Input sync manager para	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (1)	pr	Sync mode	ST	UINT16	---	---	---	1	1	---	---	X	X
1C33h (2)	pr	Cycle Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C33h (3)	pr	Shift Time	ST	UINT32	---	---	---	1	1	---	---	X	X
1C33h (4)	pr	Sync modes supported	ST	UINT16	---	---	---	1	1	---	---	X	X
1C33h (5)	pr	Minimum Cycle Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C33h (6)	pr	Calc and Copy Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C33h (7)	pr	Minimum Delay Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C33h (8)	pr	Get Cycle Time	ST	UINT16	---	---	---	1	1	---	---	X	X
1C33h (9)	pr	Delay Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C33h (10)	pr	Sync0 Cycle Time	ST	UINT32	---	---	---	1	1000	µs	---	X	X
1C33h (11)	pr	SM-Event Missed	ST	UINT16	---	---	---	1	1	---	---	X	X
1C33h (12)	pr	Cycle Time Too Small	ST	UINT16	---	---	---	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1C33h (13)	pr	Shift Time Too Short	ST	UINT16	---	---	---	1	1	---	---	X	X
1C33h (14)	pr	Reserved	ST	UINT16	---	---	---	1	1	---	---	X	X
1C33h (15)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (16)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (17)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (18)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (19)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (20)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (21)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (22)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (23)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (24)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (25)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (26)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (27)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (28)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (29)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
1C33h (30)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (31)	pr	Reserved	ST	UINT8	---	---	---	1	1	---	---	X	X
1C33h (32)	pr	Sync Error	ST	UINT8	---	---	---	1	1	---	X	X	X
603Fh (0)	pr	error code	V	UINT16	---	---	---	1	1	---	X	X	X
6040h (0)	pr	controlword	V	UINT16	0	65535	0	1	1	---	X	---	X
6041h (0)	pr	statusword	V	UINT16	---	---	---	1	1	---	X	X	X
6042h (0)	pr	vl target velocity	V	INT16	-32767	32767	0	1	1	1/min	X	---	X
6043h (0)	pr	vl velocity demand	V	INT16	---	---	---	1	1	1/min	X	X	X
6044h (0)	pr	vl velocity actual value	V	INT16	---	---	---	1	1	1/min	X	X	X
605Ah (0)	pr	quick stop option code	V	INT16	-6	0	0	1	1	---	---	---	X
605Bh (0)	pr	shutdown option code	V	INT16	-2	1	0	1	1	---	---	---	X
605Ch (0)	pr	disable operation option code	V	INT16	-2	1	1	1	1	---	---	---	X
605Eh (0)	pr	fault reaction option code	V	INT16	-1	0	-1	1	1	---	---	---	X
6060h (0)	pr	modes of operation	V	INT8	-2	10	2	1	1	---	X	---	X
6061h (0)	pr	modes of operation display	V	INT8				1	1	---	X	X	X
6062h (0)	pr	position demand value	V	INT32				1	1	---	X	X	X
6064h (0)	pr	position actual value	V	INT32				1	1	---	X	X	X
6065h (0)	pr	following error window	V	UINT32	0	2147483647	5000	1	1	---	---	---	X
6066h (0)	pr	following error time out	V	UINT16	0	65535	0	1	1	---	X	---	X
6067h (0)	pr	positioning window	V	UINT32	0	2147483647	5000	1	1	---	---	---	X
6068h (0)	pr	positioning window time	V	UINT16	0	65535	0	1	1	---	X	---	X
606Bh (0)	pr	velocity demand value	V	INT32				1	1	---	X	X	X
606Ch (0)	pr	velocity actual value	V	INT32				1	1	---	X	X	X
6071h (0)	pr	target torque	V	INT16	-32767	32767	0	1	1	---	X	---	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
6072h (0)	pr	max torque	V	UINT16	0	10000	2000	1	1	---	X	---	X
6077h (0)	pr	torque actual value	V	INT16				1	1	---	X	X	X
607Ah (0)	pr	target position	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
607Bh (0)	pr	position range limit	A	UINT8	2	2	2	1	1	---	---	X	X
607Bh (1...2)	pr	position range limit	A	INT32	-2147483648	2147483647	-2147483648	1	1	---	X	---	X
607Ch (0)	pr	home offset	V	INT32	-2147483648	2147483647	0	1	1	---	X	---	X
607Dh (0)	pr	software position limit	A	UINT8	2	2	2	1	1	---	---	X	X
607Dh (1...2)	pr	software position limit	A	INT32	-2147483648	2147483647	-2147483648	1	1	---	X	---	X
607Fh (0)	pr	max profile velocity	V	UINT32	0	128000	1000	1	1	---	X	---	X
6080h (0)	pr	max. motor speed	V	UINT32	0	128000	128000	1	1	---	X	---	X
6081h (0)	pr	profile velocity	V	UINT32	0	128000	0	1	1	---	X	---	X
6082h (0)	pr	end velocity	V	UINT32	0	128000	0	1	1	---	X	---	X
6083h (0)	pr	profile acceleration	V	UINT32	655	2147483647	1310720	1	1	---	X	---	X
6098h (0)	pr	homing method	V	INT8	1	37	37	1	1	---	X	---	X
6099h (0)	pr	homing speed	A	UINT8	2	2	2	1	1	---	---	X	X
6099h (1...2)	pr	homing speed	A	UINT32	0	2147483647	800	1	1	---	X	---	X
609Ah (0)	pr	homing acceleration	V	INT32	1	1747626666	2000	1	1	---	X	---	9312, 9313, 9314, 9315
60B1h (0)	pr	velocity offset	V	INT32	-2147483647	2147483647	0	1	1	---	X	---	X
60B2h (0)	pr	torque offset	V	INT16	-32767	32767	0	1	1	---	X	---	X
60B8h (0)	pr	touch probe function	V	UINT16	0	59	0	1	1	---	X	---	X
60B9h (0)	pr	touch probe status	V	UINT16	---	---	---	1	1	---	X	X	X
60BAh (0)	pr	touch probe pos1 pos value	V	INT32	---	---	---	1	1	---	X	X	X
60BBh (0)	pr	touch probe pos1 neg value	V	INT32	---	---	---	1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
60C2h (0)	pr	interpolation time period	ST	UINT8	---	---	---	1	1	---	---	X	X
60C2h (1)	pr	interpolation time value	ST	UINT8	0	127	0	1	1	---	---	---	X
60C2h (2)	pr	interpolation time index	ST	INT8	-128	63	-6	1	1	---	---	---	X
60D0h (0)	pr	touch probe source	A	UINT8	1	1	1	1	1	---	---	X	9312, 9313, 9314, 9315
60D0h (1...1)	pr	touch probe source	A	UINT16	1	5	1	1	1	---	---	---	9312, 9313, 9314, 9315
60E0h (0)	pr	positive torque limit value	V	INT16	0	10000	5000	1	1	---	X	---	9312, 9313, 9314, 9315
60E1h (0)	pr	negative torque limit value	V	INT16	-1	10000	-1	1	1	---	X	---	9312, 9313, 9314, 9315
60F4h (0)	pr	following error actual value	V	INT32	---	---	---	1	1	---	X	X	X
60FFh (0)	pr	target velocity	V	INT32	-2147483647	2147483647	0	1	1	---	X	---	X
6502h (0)	pr	supported drive modes	V	UINT32	---	---	---	1	1	---	X	X	X

fs-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
6600h (0)	fs	Time unit	V	UINT32	---	---	---	1	1	---	---	X	X
6601h (0)	fs	Position unit	V	UINT32	---	---	---	1	1	---	---	X	9309, 9310
6602h (0)	fs	Velocity unit	V	UINT32	---	---	---	1	1	---	---	X	X
6603h (0)	fs	Acceleration Unit	V	UINT32	---	---	---	1	1	---	---	X	X
6611h (0)	fs	Safe position actual value 32Bit	V	INT32	---	---	---	1	1	---	---	X	9309, 9310
6613h (0)	fs	Safe velocity actual value 32Bit	V	INT32	---	---	---	1	8192	1/min	---	X	X
6620h (0)	fs	Safe Controlword	A	UINT8	8	8	8	1	1	---	---	X	X
6620h (1...8)	fs	Safe Controlword	A	UINT8	---	---	---	1	1	---	---	X	X
6621h (0)	fs	Safe Statusword	A	UINT8	8	8	8	1	1	---	---	X	X
6621h (1...8)	fs	Safe Statusword	A	UINT8	---	---	---	1	1	---	---	X	X
6630h (0)	fs	Restart_Ack (support)	V	UINT8	---	---	---	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
6640h (0)	fs	STO support	V	UINT8	---	---	---	1	1	---	---	X	X
6641h (0)	fs	STO Restart_Ack_behaviour	V	UINT8	---	---	---	1	1	---	---	X	X
6650h (0)	fs	SS1 support	A	UINT8	8	8	8	1	1	---	---	X	X
6650h (1...8)	fs	SS1 support	A	UINT8	---	---	---	1	1	---	---	X	X
6651h (0)	fs	t_SS1 (SS1C)	A	UINT8	8	8	8	1	1	---	---	X	X
6651h (1...8)	fs	t_SS1 (SS1C)	A	UINT32				1	1	ms	---	X	X
6656h (0)	fs	a_ss1 32Bit	A	UINT8	8	8	8	1	1	---	---	X	X
6656h (1...8)	fs	a_ss1 32Bit	A	UINT32				1	1	---	---	X	X
6660h (0)	fs	SBC support	A	UINT8	1	1	1	1	1	---	---	X	X
6660h (1...1)	fs	SBC support	A	UINT8				1	1	---	---	X	X
6668h (0)	fs	SOS support	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
6668h (1...8)	fs	SOS support	A	UINT8	---	---	---	1	1	---	---	X	9309, 9310
666Ah (0)	fs	s_Zero_SOS 32Bit	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
666Ah (1...8)	fs	s_Zero_SOS 32Bit	A	UINT32	---	---	---	1	1	---	---	X	9309, 9310
6670h (0)	fs	SS2 support	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
6670h (1...8)	fs	SS2 support	A	UINT8				1	1	---	---	X	9309, 9310
6671h (0)	fs	t_SS2 (SS2C)	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
6671h (1...8)	fs	t_SS2 (SS2C)	A	UINT32				1	1	ms	---	X	9309, 9310
6674h (0)	fs	a_ss2 32Bit	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
6674h (1...8)	fs	a_ss2 32Bit	A	UINT32				1	8192	---	---	X	9309, 9310
6677h (0)	fs	Error Reaction SS2	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
6677h (1...8)	fs	Error Reaction SS2	A	UINT32	---	---	---	1	1	---	---	X	9309, 9310
6690h (0)	fs	SLS support	A	UINT8	8	8	8	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
6690h (1...8)	fs	SLS support	A	UINT8	---	---	---	1	1	---	---	X	X
6693h (0)	fs	n_SLS_32_Bit	A	UINT8	8	8	8	1	1	---	---	X	X
6693h (1...8)	fs	n_SLS_32_Bit	A	UINT32	---	---	---	1	8192	1/min	---	X	X
6698h (0)	fs	Error Reaction SLS	A	UINT8	8	8	8	1	1	---	---	X	X
6698h (1...8)	fs	Error Reaction SLS	A	UINT32	---	---	---	1	1	---	---	X	X
66A0h (0)	fs	SLP support	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
66A0h (1...8)	fs	SLP support	A	UINT8				1	1	---	---	X	9309, 9310
66A2h (0)	fs	s_UL_SLP_32Bit	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
66A2h (1...8)	fs	s_UL_SLP_32Bit	A	INT32				1	1	---	---	X	9309, 9310
66A4h (0)	fs	s_LL_SLP_32Bit	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
66A4h (1...8)	fs	s_LL_SLP_32Bit	A	INT32				1	1	---	---	X	9309, 9310
66A5h (0)	fs	Error Reaction SLP	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
66A5h (1...8)	fs	Error Reaction SLP	A	UINT32	---	---	---	1	1	---	---	X	9309, 9310
66A8h (0)	fs	SMS support	A	UINT8	8	8	8	1	1	---	---	X	X
66A8h (1...8)	fs	SMS support	A	UINT8	---	---	---	1	1	---	---	X	X
66AAh (0)	fs	n_pos_max_SMS_32Bit	A	UINT8	8	8	8	1	1	---	---	X	X
66AAh (1...8)	fs	n_pos_max_SMS_32Bit	A	UINT32				1	8192	1/min	---	X	X
66ACh (0)	fs	n_neg_max_SMS_32Bit	A	UINT8	8	8	8	1	1	---	---	X	X
66ACh (1...8)	fs	n_neg_max_SMS_32Bit	A	INT32				1	8192	1/min	---	X	X
66ADh (0)	fs	Error Reaction SMS	A	UINT8	8	8	8	1	1	---	---	X	X
66ADh (1...8)	fs	Error Reaction SMS	A	UINT32				1	1	---	---	X	X
66B8h (0)	fs	SLI support	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
66B8h (1...8)	fs	SLI support	A	UINT8				1	1	---	---	X	9309, 9310
66BAh (0)	fs	s_UL_SLI_32 Bit	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
66BAh (1...8)	fs	s_UL_SLI_32 Bit	A	INT32				1	1	---	---	X	9309, 9310
66BCh (0)	fs	s_LL_SLI 32 Bit	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
66BCh (1...8)	fs	s_LL_SLI 32 Bit	A	INT32	---	---	---	1	1	---	---	X	9309, 9310
66BDh (0)	fs	Error Reaction SLI	A	UINT8	8	8	8	1	1	---	---	X	9309, 9310
66BDh (1...8)	fs	Error Reaction SLI	A	UINT32	---	---	---	1	1	---	---	X	9309, 9310
66D0h (0)	fs	SDIp support	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310
66D1h (0)	fs	SDIn support	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310
66D3h (0)	fs	s_Zero_SDI_32Bit	V	UINT32	---	---	---	1	1	---	---	X	9309, 9310
66E0h (0)	fs	SSM support	A	UINT8	8	8	8	1	1	---	---	X	X
66E0h (1...8)	fs	SSM support	A	UINT8	---	---	---	1	1	---	---	X	X
66E2h (0)	fs	n_UL_SSM_32Bit	A	UINT8	8	8	8	1	1	---	---	X	X
66E2h (1...8)	fs	n_UL_SSM_32Bit	A	INT32	---	---	---	1	8192	1/min	---	X	X
66E4h (0)	fs	n_LL_SSM_32Bit	A	UINT8	8	8	8	1	1	---	---	X	X
66E4h (1...8)	fs	n_LL_SSM_32Bit	A	INT32	---	---	---	1	8192	1/min	---	X	X
E600h (0)	fs	FSoE Slave frame elements	ST	UINT8	---	---	---	1	1	---	X	X	X
E600h (1)	fs	FSoE Command	ST	UINT8	---	---	---	1	1	---	X	X	X
E600h (2)	fs	FSoE Connection ID	ST	UINT16	---	---	---	1	1	---	X	X	X
E600h (3)	fs	FSoE CRC0	ST	UINT16	---	---	---	1	1	---	X	X	X
E600h (4)	fs	FSoE CRC1	ST	UINT16	---	---	---	1	1	---	X	X	X
E600h (5)	fs	FSoE CRC2	ST	UINT16	---	---	---	1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
E600h (6)	fs	FSoE CRC3	ST	UINT16	---	---	---	1	1	---	X	X	X
E601h (0)	fs	FSoE SafeInputs (SafetyModule->Master)	ST	UINT8	---	---	---	1	1	---	X	X	X
E601h (1)	fs	FSoE safe input data 1	ST	UINT16	---	---	---	1	1	---	X	X	X
E601h (2)	fs	FSoE safe input data 2	ST	UINT16	---	---	---	1	1	---	X	X	X
E601h (3)	fs	FSoE safe input data 3	ST	UINT16	---	---	---	1	1	---	X	X	X
E601h (4)	fs	FSoE safe input data 4	ST	UINT16	---	---	---	1	1	---	X	X	X
E601h (5)	fs	FSoE safe input data 5	ST	UINT16	---	---	---	1	1	---	X	X	X
E700h (0)	fs	FSoE Master frame elements	ST	UINT8	---	---	---	1	1	---	X	X	X
E700h (1)	fs	FSoE Command	ST	UINT8	---	---	---	1	1	---	X	X	X
E700h (2)	fs	FSoE Connection ID	ST	UINT16	---	---	---	1	1	---	X	X	X
E700h (3)	fs	FSoE CRC0	ST	UINT16	---	---	---	1	1	---	X	X	X
E700h (4)	fs	FSoE CRC1	ST	UINT16	---	---	---	1	1	---	X	X	X
E700h (5)	fs	FSoE CRC2	ST	UINT16	---	---	---	1	1	---	X	X	X
E700h (6)	fs	FSoE CRC3	ST	UINT16	---	---	---	1	1	---	X	X	X
E701h (0)	fs	FSoE SafeOutputs	ST	UINT8	---	---	---	1	1	---	X	X	X
E701h (1)	fs	FSoE safe output data 1	ST	UINT16	---	---	---	1	1	---	X	X	X
E701h (2)	fs	FSoE safe output data 2	ST	UINT16	---	---	---	1	1	---	X	X	X
E701h (3)	fs	FSoE safe output data 3	ST	UINT16	---	---	---	1	1	---	X	X	X
E701h (4)	fs	FSoE safe output data 4	ST	UINT16	---	---	---	1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
E701h (5)	fs	FSoE safe output data 5	ST	UINT16	---	---	---	1	1	---	X	X	X
E800h (0)	fs	Safety Device Info	ST	UINT8	---	---	---	1	1	---	---	X	X
E800h (1)	fs	Combivis CRC	ST	UINT32	---	---	---	1	1	---	---	X	X
E800h (2)	fs	Parameter main version	ST	UINT16	---	---	---	1	1	---	---	X	X
E800h (3)	fs	Parameter sub version	ST	UINT16	---	---	---	1	1	---	---	X	X
E800h (4)	fs	FSoE Data length	ST	UINT8	---	---	---	1	1	---	---	X	X
E801h (0)	fs	Safety Receive PDO mapping (Control->Drive)	ST	UINT8	---	---	---	1	1	---	---	X	X
E801h (1)	fs	1. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E801h (2)	fs	2. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E801h (3)	fs	3. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E801h (4)	fs	4. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E801h (5)	fs	5. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E802h (0)	fs	Safety Transmit PDO mapping (Drive->Control)	ST	UINT8	---	---	---	1	1	---	---	X	X
E802h (1)	fs	1. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E802h (2)	fs	2. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E802h (3)	fs	3. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E802h (4)	fs	4. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E802h (5)	fs	5. Mapping	ST	UINT8	---	---	---	1	1	---	---	X	X
E803h (0)	fs	Safety Device unit configuration	ST	UINT8	---	---	---	1	1	---	---	X	X
E803h (1)	fs	Position unit	ST	UINT8	---	---	---	1	1	---	---	X	X
E803h (2)	fs	Velocity unit	ST	UINT8	---	---	---	1	1	---	---	X	X
E80Fh (0)	fs	FSoE Safetymodule PD init	A	UINT8	3	3	3	1	1	---	---	X	X
E80Fh (1...3)	fs			UINT32	0	2147483647	0	1	1	---	---	---	X
E901h (0)	fs	FSoE Connection Communication parameter	ST	UINT8	---	---	---	1	1	---	---	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
E901h (1)	fs	Version	ST	UINT16	---	---	---	1	1	---	---	X	X
E901h (2)	fs	Safety Slave Address	ST	UINT16	---	---	---	1	1	---	---	X	X
E901h (3)	fs	FSoE ConnectionID	ST	UINT16	---	---	---	1	1	---	---	X	X
E901h (4)	fs	Watchdog Time	ST	UINT16	---	---	---	1	1	---	---	X	X
E901h (5)	fs	Unique Device ID	ST	UINT32	---	---	---	1	1	---	---	X	X
E901h (6)	fs	Connection Type	ST	UINT16	---	---	---	1	1	---	---	X	X
E901h (7)	fs	Com Parameter Length	ST	UINT16	---	---	---	1	1	---	---	X	X
E901h (8)	fs	Appl Parameter Length	ST	UINT16	---	---	---	1	1	---	---	X	X
F980h (0)	fs	Device SafetyAddress	ST	UINT8	---	---	---	1	1	---	---	X	X
F980h (1)	fs	FSoE Address	ST	UINT16				1	1	---	---	X	X

cm-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3B17h (0)	cm23	min limit for motor poti	V	UINT16	0	10000	0	1	100	%	X	---	X
3B18h (0)	cm24	max limit for motor poti	V	UINT16	0	10000	10000	1	100	%	X	---	X
3B19h (0)	cm25	min limit rev motor poti	V	UINT16	0	10000	0	1	100	%	X	---	X
3B1Ah (0)	cm26	max limit rev motor poti	V	UINT16	0	10000	10000	1	100	%	X	---	X
3B1Bh (0)	cm27	motor poti ref value	V	UINT32	0	128000	1000	1	1	1/min	X	---	X
3B1Ch (0)	cm28	motor poti reset value	V	INT16	-10000	10000	0	1	100	%	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3B1Dh (0)	cm29	motor poti inc gain [%/s]	V	UINT16	0	65535	10	1	100	---	X	---	X
3B1Eh (0)	cm30	motor poti dec gain [%/s]	V	UINT16	0	65535	10	1	100	---	X	---	X
3B1Fh (0)	cm31	inc motor poti input	V	UINT16	0	65535	0	1	1	---	X	---	X
3B20h (0)	cm32	dec motor poti input	V	UINT16	0	65535	0	1	1	---	X	---	X
3B21h (0)	cm33	reset motor poti input	V	UINT16	0	65535	0	1	1	---	X	---	X
3B22h (0)	cm34	activate jog mode	V	UINT16	0	65535	0	1	1	---	X	---	X
3B23h (0)	cm35	jog positive	V	UINT16	0	65535	0	1	1	---	X	---	X
3B24h (0)	cm36	jog negative	V	UINT16	0	65535	0	1	1	---	X	---	X
3B25h (0)	cm37	activate jog speed 2	V	UINT16	0	65535	0	1	1	---	X	---	X
3B26h (0)	cm38	jog step mode	V	UINT16	0	65535	0	1	1	---	X	---	X
3B29h (0)	cm41	jog speed 1 positive	V	UINT32	0	128000	0	1	1	1/min	X	---	X
3B2Ah (0)	cm42	jog speed 1 negative	V	UINT32	0	128000	0	1	1	1/min	X	---	X
3B2Bh (0)	cm43	jog speed 2 positive	V	UINT32	0	128000	0	1	1	1/min	X	---	X
3B2Ch (0)	cm44	jog speed 2 negative	V	UINT32	0	128000	0	1	1	1/min	X	---	X
3B2Dh (0)	cm45	jog step distance	V	UINT32	0	2147483647	0	1	1	---	X	---	X
3B2Eh (0)	cm46	jog mode options	V	UINT16	0	63	0	1	1	---	---	---	X
3B30h (0)	cm48	jog acceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
3B31h (0)	cm49	jog deceleration for [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
3B32h (0)	cm50	jog acceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3B33h (0)	cm51	jog deceleration rev [s-2]	V	INT32	1	1747626666	2000	1	100	---	X	---	X
3B34h (0)	cm52	jog for acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B35h (0)	cm53	jog for acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B36h (0)	cm54	jog for dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B37h (0)	cm55	jog for dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B38h (0)	cm56	jog rev acc jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B39h (0)	cm57	jog rev acc jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B3Ah (0)	cm58	jog rev dec jerk hs [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B3Bh (0)	cm59	jog rev dec jerk ls [s-3]	V	INT32	50	104857600	10000	1	100	---	X	---	X
3B3Ch (0)	cm60	jog ramp mode	V	UINT8	0	255	8	1	1	---	X	---	X
3B3Dh (0)	cm61	jog mode state	V	UINT16	---	---	---	1	1	---	X	X	X
3B3Eh (0)	cm62	motor poti actual value	V	INT16	---	---	---	1	100	%	X	X	X

sm-Parameter

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3C03h (0)	sm03	safety module 3	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3C03h (1)	sm03	enabled safety function	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (2)	sm03	bus safety function state	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (3)	sm03	global safety state	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (4)	sm03	error state	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (5)	sm03	last error / warning	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (6)	sm03	bus error	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (7)	sm03	I/O state	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (8)	sm03	encoder speed	ST	INT32	---	---	---	1	8192	1/min	---	X	9309, 9310

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3C03h (9)	sm03	encoder position (full rounds)	ST	INT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (10)	sm03	encoder position (partial rounds)	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310
3C03h (11)	sm03	safety module date and time	ST	UINT32	0	2147483647	0	1	1	*1	---	---	9309, 9310
3C03h (12)	sm03	safety module led blinking	ST	UINT8	0	1	0	1	1	---	---	---	9309, 9310
3C03h (13)	sm03	safety fieldbus type	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3C03h (14)	sm03	safety fieldbus data length	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3C05h (0)	sm05	safety module 5	ST	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (1)	sm05	enabled safety function	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (2)	sm05	bus safety function state	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (3)	sm05	global safety state	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (4)	sm05	error state	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (5)	sm05	last error / warning	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (6)	sm05	bus error	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (7)	sm05	I/O state	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (8)	sm05	encoder (-less) speed	ST	INT32	---	---	---	1	8192	1/min	---	X	9312, 9313, 9314, 9315
3C05h (9)	sm05	encoder (-less) position (full rounds)	ST	INT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (10)	sm05	encoder (-less) position (partial rounds)	ST	UINT32	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (11)	sm05	safety module date and time	ST	UINT32	0	2147483647	0	1	1	*1	---	---	9312, 9313, 9314, 9315
3C05h (12)	sm05	safety module led blinking	ST	UINT8	0	1	0	1	1	---	---	---	9312, 9313, 9314, 9315

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3C05h (13)	sm05	safety fieldbus type	ST	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (14)	sm05	safety fieldbus data length	ST	UINT8	---	---	---	1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (15)	sm05	electrical current in percent (0.001% resolution)	ST	UINT16	---	---	---	1	1000	---	---	X	9312, 9313, 9314, 9315
3C05h (16)	sm05	electrical current speed	ST	INT32	---	---	---	1	8192	1/min	---	X	9312, 9313, 9314, 9315
3C05h (17)	sm05	electrical current position actual value full rounds	ST	INT32				1	1	---	---	X	9312, 9313, 9314, 9315
3C05h (18)	sm05	electrical current position actual value partial rounds	ST	UINT32				1	1	---	---	X	9312, 9313, 9314, 9315
3C0Ah (0)	sm10	inverter reaction in case of "fail safe"	V	UINT8	0	8	7	1	1	---	X	---	X
3C0Bh (0)	sm11	inverter reaction in case of "STO"	V	UINT8	0	8	7	1	1	---	X	---	X
3C0Ch (0)	sm12	opt. inverter reaction in case of "STO" or "fail safe"	V	UINT8	0	1	0	1	1	---	X	---	X
3C12h (0)	sm18	log read out type	V	INT8	-1	8	-1	1	1	---	---	---	X
3C13h (0)	sm19	log read out state	V	INT8				1	1	---	X	X	X
3C14h (0)	sm20	log entry 0	ST	UINT8	---	---	---	1	1	---	X	X	X
3C14h (1)	sm20	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C14h (2)	sm20	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C14h (3)	sm20	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C14h (4)	sm20	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C14h (5)	sm20	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C14h (6)	sm20	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C15h (0)	sm21	log entry 1	ST	UINT8	---	---	---	1	1	---	X	X	X
3C15h (1)	sm21	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C15h (2)	sm21	position	ST	INT32	---	---	---	1	1	---	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3C15h (3)	sm21	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C15h (4)	sm21	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C15h (5)	sm21	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C15h (6)	sm21	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C16h (0)	sm22	log entry 2	ST	UINT8	---	---	---	1	1	---	X	X	X
3C16h (1)	sm22	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C16h (2)	sm22	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C16h (3)	sm22	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C16h (4)	sm22	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C16h (5)	sm22	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C16h (6)	sm22	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C17h (0)	sm23	log entry 3	ST	UINT8	---	---	---	1	1	---	X	X	X
3C17h (1)	sm23	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C17h (2)	sm23	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C17h (3)	sm23	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C17h (4)	sm23	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C17h (5)	sm23	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C17h (6)	sm23	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C18h (0)	sm24	log entry 4	ST	UINT8	---	---	---	1	1	---	X	X	X
3C18h (1)	sm24	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C18h (2)	sm24	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C18h (3)	sm24	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3C18h (4)	sm24	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C18h (5)	sm24	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C18h (6)	sm24	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C19h (0)	sm25	log entry 5	ST	UINT8	---	---	---	1	1	---	X	X	X
3C19h (1)	sm25	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C19h (2)	sm25	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C19h (3)	sm25	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C19h (4)	sm25	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C19h (5)	sm25	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C19h (6)	sm25	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Ah (0)	sm26	log entry 6	ST	UINT8	---	---	---	1	1	---	X	X	X
3C1Ah (1)	sm26	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C1Ah (2)	sm26	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C1Ah (3)	sm26	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C1Ah (4)	sm26	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C1Ah (5)	sm26	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Ah (6)	sm26	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Bh (0)	sm27	log entry 7	ST	UINT8	---	---	---	1	1	---	X	X	X
3C1Bh (1)	sm27	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C1Bh (2)	sm27	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C1Bh (3)	sm27	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3C1Bh (4)	sm27	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C1Bh (5)	sm27	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Bh (6)	sm27	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Ch (0)	sm28	log entry 8	ST	UINT8	---	---	---	1	1	---	X	X	X
3C1Ch (1)	sm28	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C1Ch (2)	sm28	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C1Ch (3)	sm28	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C1Ch (4)	sm28	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C1Ch (5)	sm28	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Ch (6)	sm28	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Dh (0)	sm29	log entry 9	ST	UINT8	---	---	---	1	1	---	X	X	X
3C1Dh (1)	sm29	date and time	ST	UINT32	---	---	---	1	1	*1	X	X	X
3C1Dh (2)	sm29	position	ST	INT32	---	---	---	1	1	---	X	X	X
3C1Dh (3)	sm29	speed	ST	INT32	---	---	---	1	8192	1/min	X	X	X
3C1Dh (4)	sm29	time slice per 62,5 us	ST	UINT16	---	---	---	1	1	---	X	X	X
3C1Dh (5)	sm29	details of "(bus) safety function request"	ST	UINT32	---	---	---	1	1	---	X	X	X
3C1Dh (6)	sm29	details of "error"	ST	UINT32	---	---	---	1	1	---	X	X	X

ai-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3A00h (0)	ai00	freq. ident	V	UINT16	0	65535	1000	1	1	Hz	X	---	X

IDtxt		Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3A01h (0)	ai01	freq.decoup	V	UINT16	0	65535	500	1	1	Hz	X	---	X
3A02h (0)	ai02	amp. ident	V	UINT32	0	2139095039	1101004800	1	1	V	X	---	X
3A03h (0)	ai03	amp. decoup	V	UINT32	0	2139095039	1092616192	1	1	V	X	---	X
3A04h (0)	ai04	set RhoDC mode	V	UINT8	0	2	0	1	1	---	X	---	X
3A05h (0)	ai05	RhoDC[°]	V	INT32	-8388609	2139095039	0	1	1	---	X	---	X
3A06h (0)	ai06	Isd ref.	V	INT32	-8388609	2139095039	0	1	1	A	X	---	X
3A07h (0)	ai07	Isq ref.	V	INT32	-8388609	2139095039	0	1	1	A	X	---	X
3A08h (0)	ai08	ident start	V	UINT8	0	2	0	1	1	---	X	---	X
3A09h (0)	ai09	RhoHF[°]	V	INT32	-8388609	2139095039	0	1	1	---	X	---	X
3A0Ah (0)	ai10	theta1	V	UINT32	---	---	---	1	1	---	X	X	X
3A0Bh (0)	ai11	theta2	V	UINT32	---	---	---	1	1	---	X	X	X
3A0Ch (0)	ai12	theta3	V	UINT32	---	---	---	1	1	---	X	X	X
3A0Dh (0)	ai13	L	V	UINT32	---	---	---	1	1	mH	X	X	X
3A0Eh (0)	ai14	ready flag	V	UINT8	---	---	---	1	1	---	X	X	X
3A0Fh (0)	ai15	USearch start	V	UINT8	0	1	0	1	1	---	X	---	X
3A10h (0)	ai16	USearch I ref.	V	UINT32	0	2139095039	0	1	1	A	X	---	X
3A11h (0)	ai17	USearch result	V	UINT32	---	---	---	1	1	V	X	X	X
3A12h (0)	ai18	USearch info	V	UINT8	---	---	---	1	1	---	X	X	X
3A13h (0)	ai19	ident coeff.	V	UINT8	---	---	---	1	1	---	X	X	X
3A14h (0)	ai20	Ud	V	INT32	---	---	---	1	1	---	X	X	X
3A15h (0)	ai21	Uq	V	INT32	---	---	---	1	1	---	X	X	X
3A16h (0)	ai22	Id	V	INT32	---	---	---	1	1	---	X	X	X
3A17h (0)	ai23	Iq	V	INT32	---	---	---	1	1	---	X	X	X
3A18h (0)	ai24	R	V	UINT32	---	---	---	1	1	Ω	X	X	X

Parameterliste

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3A19h (0)	ai25	ai - deadtime mode	V	UINT8	0	1	0	1	1	---	X	---	X

pa-Parameter

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3D00h (0)	pa00	PROFIsafe device frame elements	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D00h (1)	pa00	PROFIsafe status byte	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D00h (2)	pa00	PROFIsafe CRC2 (1st)	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D00h (3)	pa00	PROFIsafe CRC2 (2nd)	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D01h (0)	pa01	PROFIsafe safe inputs (Safety-Module->Controller)	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D01h (1)	pa01	PROFIsafe input data 1	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D01h (2)	pa01	PROFIsafe input data 2	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D01h (3)	pa01	PROFIsafe input data 3	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D01h (4)	pa01	PROFIsafe input data 4	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D01h (5)	pa01	PROFIsafe input data 5	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D02h (0)	pa02	PROFIsafe controller frame elements	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D02h (1)	pa02	PROFIsafe control byte	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D02h (2)	pa02	PROFIsafe CRC2 (1st)	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D02h (3)	pa02	PROFIsafe CRC2 (2nd)	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D03h (0)	pa03	PROFIsafe safe outputs (Controller->SafetyModule)	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310

IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3D03h (1)	pa03	PROFIsafe output data 1	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D03h (2)	pa03	PROFIsafe output data 2	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D03h (3)	pa03	PROFIsafe output data 3	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D03h (4)	pa03	PROFIsafe output data 4	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D03h (5)	pa03	PROFIsafe output data 5	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D04h (0)	pa04	PROFIsafe state machine info	V	UINT32	---	---	---	1	1	---	X	X	9309, 9310
3D05h (0)	pa05	PROFIsafe alarms	ST	UINT8	---	---	---	1	1	---	X	X	9309, 9310
3D05h (1)	pa05	alarm entry 1	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (2)	pa05	alarm entry 2	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (3)	pa05	alarm entry 3	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (4)	pa05	alarm entry 4	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (5)	pa05	alarm entry 5	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (6)	pa05	alarm entry 6	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (7)	pa05	alarm entry 7	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (8)	pa05	alarm entry 8	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (9)	pa05	alarm entry 9	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D05h (10)	pa05	alarm entry 10	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D06h (0)	pa06	PROFIdrive on PROFIsafe	ST	UINT8	---	---	---	1	1	---	X	X	9309, 9310

	IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3D06h (1)	pa06	PROFIsafe telegram selection (PNU 60022)	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D06h (2)	pa06	safety channel telegram selection (PNU 60122)	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D06h (3)	pa06	reserved	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D06h (4)	pa06	fault message counter (PNU 60044)	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D06h (5)	pa06	reserved	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D06h (6)	pa06	reserved	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D06h (7)	pa06	fault number (PNU 60047)	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D07h (0)	pa07	PROFInet AR Indication	V	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D08h (0)	pa08	PROFIsafe safety module PD init	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D08h (1)	pa08	PROFIsafe Rx PDO index	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D08h (2)	pa08	PROFIsafe Tx PDO Index	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D08h (3)	pa08	PROFIsafe ModuleID	ST	UINT16	---	---	---	1	1	---	X	X	9309, 9310
3D09h (0)	pa09	PROFIsafe F-Parameter	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D09h (1)	pa09	PrmFlag1	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D09h (2)	pa09	PrmFlag2	ST	UINT8	---	---	---	1	1	---	---	X	9309, 9310
3D09h (3)	pa09	Source Address	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D09h (4)	pa09	Destination Address	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D09h (5)	pa09	watchdog time	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D09h (6)	pa09	watchdog time 2	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310
3D09h (7)	pa09	iPar CRC	ST	UINT32	---	---	---	1	1	---	---	X	9309, 9310

IDtxt	Name	CAN	Typ	Untergrenze	Obergrenze	Vorgabe	Multi	Div	Ein-heit	PD	RO	E-OAD
3D09h (8)	pa09	parameter CRC	ST	UINT16	---	---	---	1	1	---	---	X	9309, 9310

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