



Emotron CDN

Motor mounted AC drive



Parameter manual
Valid from software version V09.00.00

1 Parameter reference

This chapter describes all parameters which can be used for parameterising and monitoring the inverter.

Parameters which are only available in the inverter from a certain software version onwards are marked with a corresponding note in the parameter description ("from version xx.xx.xx").



Tip!

For quick reference of a parameter with a certain name simply use the **index** of the online documentation. The index always contains the corresponding code in parentheses behind the name.

General information on parameter setting can be found in the chapter "[Introduction: Parameterising the inverter](#)". (📖 6)

For general information on how to read and change parameters, please see the online documentation for the »Emotron Easy Starter«.

Parameter reference

1.1 Table of attributes

The table of attributes contains information that is required for communication with the inverter via parameters.

How to read the table of attributes:

Column		Meaning	Entry	
Code		Parameter name	Cxxxx	
Name		Parameter short text (display text)	Text	
Type		Parameter type	Selection list	Value from selection list
			Bit coded	Bit coded value
			Linear value	Value with setting range
			String	String
Index	dec	Index under which the parameter is addressed. The subindex for array variables corresponds to the Factory subcode number.	24575 - Factory code number	Is only required for access via a bus system.
	hex		5FFF _h - Factory code number	
Data	DS	Data structure	E	Single variable (only one parameter element)
			A	Array variable (several parameter elements)
	DA	Number of array elements (subcodes)	Number	
	DT	Data type	INTEGER_16	2 bytes with sign
			INTEGER_32	4 bytes with sign
			UNSIGNED_8	1 byte without sign
			UNSIGNED_16	2 bytes without sign
			UNSIGNED_32	4 bytes without sign
	VISIBLE_STRING [xx]	ASCII string (with character length xx)		
Factor	Factor for data transmission via a bus system, depending on the number of decimal positions	Factor	1 = No decimal positions 10 = 1 decimal position 100 = 2 decimal positions 1000 = 3 decimal positions	
CINH	Writing is only possible if the controller is inhibited	CINH		

Code	Name	Type	Index		Data				
			dec	hex	DS	DA	DT	Factor	CINH
C00002	Device commands	Selection list	24573	5FFD	A	32	UNSIGNED_8	1	
C00003	Status of the last device command	Selection list	24572	5FFC	E	1	UNSIGNED_8	1	
C00005	Application	Selection list	24570	5FFA	E	1	UNSIGNED_16	1	
C00006	Motor control	Selection list	24569	5FF9	E	1	UNSIGNED_8	1	CINH
C00007	Control mode	Selection list	24568	5FF8	E	1	UNSIGNED_16	1	
C00010	Minimum analog setpoint	Linear value	24565	5FF5	A	1	INTEGER_16	100	
C00011	Appl.: Reference speed	Linear value	24564	5FF4	E	1	UNSIGNED_16	1	
C00012	Accel. time - main setpoint	Linear value	24563	5FF3	E	1	UNSIGNED_32	1000	
C00013	Decel. time - main setpoint	Linear value	24562	5FF2	E	1	UNSIGNED_32	1000	
C00015	VFC: V/f base frequency	Linear value	24560	5FF0	E	1	UNSIGNED_16	10	
C00016	VFC: Vmin boost	Linear value	24559	5FEF	E	1	UNSIGNED_16	100	
C00018	Switching frequency	Selection list	24557	5FED	E	1	UNSIGNED_8	1	
C00019	Auto-DCB: Threshold	Linear value	24556	5FEC	E	1	UNSIGNED_16	1	
C00021	Slip comp.	Linear value	24554	5FEA	E	1	INTEGER_16	100	
C00022	I _{max} in motor mode	Linear value	24553	5FE9	E	1	UNSIGNED_16	100	
C00023	I _{max} in generator mode	Linear value	24552	5FE8	E	1	INTEGER_16	100	
C00024	Comparison value N_Act	Linear value	24551	5FE7	E	1	INTEGER_16	100	
C00026	AINx: Offset	Linear value	24549	5FE5	A	2	INTEGER_16	100	
C00027	AINx: Gain	Linear value	24548	5FE4	A	2	INTEGER_32	100	
Greyed out = display parameter (read only access)									

Parameter reference

Code	Name	Type	Index		Data				
			dec	hex	DS	DA	DT	Factor	CINH
C00028	AINx: Input voltage	Linear value	24547	5FE3	A	2	INTEGER_16	100	
C00029	AINx: Input current	Linear value	24546	5FE2	A	1	INTEGER_16	100	
C00033	AINx: Output value	Linear value	24542	5FDE	A	2	INTEGER_16	100	
C00034	AINx: Configuration	Selection list	24541	5FDD	A	1	UNSIGNED_8	1	
C00036	DCB: Current	Linear value	24539	5FDB	E	1	INTEGER_16	100	
C00039	Fixed setpoint x (L_NSet_1 n-Fix)	Linear value	24536	5FD8	A	3	INTEGER_16	100	
C00050	MCTRL: Speed setpoint	Linear value	24525	5FCD	E	1	INTEGER_32	1	
C00051	MCTRL: Actual speed value	Linear value	24524	5FCC	E	1	INTEGER_32	1	
C00052	Motor voltage	Linear value	24523	5FCB	E	1	UNSIGNED_16	1	
C00053	DC-bus voltage	Linear value	24522	5FCA	E	1	UNSIGNED_16	1	
C00054	Motor current	Linear value	24521	5FC9	E	1	UNSIGNED_16	100	
C00056	Torque	Linear value	24519	5FC7	A	2	INTEGER_32	100	
C00057	Maximum torque	Linear value	24518	5FC6	E	1	UNSIGNED_32	100	
C00058	Output frequency	Linear value	24517	5FC5	E	1	INTEGER_32	100	
C00059	Appl.: Reference frequency C11	Linear value	24516	5FC4	E	1	UNSIGNED_32	100	
C00061	Heatsink temperature	Linear value	24514	5FC2	E	1	INTEGER_16	1	
C00064	Device utilisation (Ixt)	Linear value	24511	5FBF	A	3	INTEGER_16	100	
C00066	Thermal motor load (I ² xt)	Linear value	24509	5FBD	E	1	INTEGER_16	100	
C00070	Vp speed controller	Linear value	24505	5FB9	A	3	UNSIGNED_16	100	
C00071	Ti speed controller	Linear value	24504	5FB8	A	3	UNSIGNED_16	10	
C00073	Vp Imax controller	Linear value	24502	5FB6	E	1	UNSIGNED_16	100	
C00074	Ti Imax controller	Linear value	24501	5FB5	E	1	UNSIGNED_16	1	
C00075	Vp current controller	Linear value	24500	5FB4	E	1	UNSIGNED_16	100	
C00076	Ti current controller	Linear value	24499	5FB3	E	1	UNSIGNED_16	100	
C00079	SC: Settings	Selection list	24496	5FB0	A	4	UNSIGNED_8	1	
C00081	Rated motor power	Linear value	24494	5FAE	E	1	UNSIGNED_16	100	
C00084	Motor stator resistance	Linear value	24491	5FAB	E	1	UNSIGNED_32	1	
C00085	Motor stator leakage inductance	Linear value	24490	5FAA	E	1	UNSIGNED_16	100	CINH
C00087	Rated motor speed	Linear value	24488	5FA8	E	1	UNSIGNED_16	1	
C00088	Rated motor current	Linear value	24487	5FA7	E	1	UNSIGNED_16	100	CINH
C00089	Rated motor frequency	Linear value	24486	5FA6	E	1	UNSIGNED_16	1	CINH
C00090	Rated motor voltage	Linear value	24485	5FA5	E	1	UNSIGNED_16	1	CINH
C00091	Motor cosine phi	Linear value	24484	5FA4	E	1	UNSIGNED_8	100	
C00092	Motor magnetising inductance	Linear value	24483	5FA3	E	1	UNSIGNED_16	10	CINH
C00093	Power section ID	Linear value	24482	5FA2	E	1	UNSIGNED_16	1	
C00094	Password	Linear value	24481	5FA1	E	1	INTEGER_32	1	
C00095	Motor magnetising current	Linear value	24480	5FA0	E	1	UNSIGNED_16	100	
C00097	Rated motor torque	Linear value	24478	5F9E	E	1	UNSIGNED_32	100	
C00098	Rated device current	Linear value	24477	5F9D	E	1	UNSIGNED_16	10	
C00099	Firmware version	String	24476	5F9C	E	1	VISIBLE_STRING [12]		
C00100	Firmware version	Linear value	24475	5F9B	A	4	UNSIGNED_8	1	
C00105	Decel. time - quick stop	Linear value	24470	5F96	E	1	UNSIGNED_32	1000	
C00106	Auto-DCB: Hold time	Linear value	24469	5F95	E	1	UNSIGNED_32	1000	
C00107	DCB: Hold time	Linear value	24468	5F94	E	1	UNSIGNED_32	1000	
C00114	DIx inversion	Bit coded	24461	5F8D	E	1	UNSIGNED_16	1	
C00115	DI1 DI2: Function	Selection list	24460	5F8C	A	1	UNSIGNED_8	1	CINH
C00118	DOx inversion	Bit coded	24457	5F89	E	1	UNSIGNED_8	1	
C00120	Setting of motor overload (I ² xt; C0088/ C0098)	Linear value	24455	5F87	E	1	INTEGER_16	100	
C00122	Initial value motor overload (I ² xt)	Linear value	24453	5F85	A	1	UNSIGNED_16	100	

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Parameter reference

Code	Name	Type	Index		Data				
			dec	hex	DS	DA	DT	Factor	CINH
C00123	Device utilisat. threshold (lxt)	Linear value	24452	5F84	E	1	INTEGER_16	100	
C00124	Current monitoring: Breaking current	Linear value	24451	5F83	A	1	UNSIGNED_16	100	
C00129	Brake resistance value	Linear value	24446	5F7E	E	1	UNSIGNED_16	10	
C00130	Rated brake resistor power	Linear value	24445	5F7D	E	1	UNSIGNED_16	1	
C00131	Thermal capacity - brake resistor	Linear value	24444	5F7C	E	1	UNSIGNED_16	10	
C00133	Brake resistor utilisation	Linear value	24442	5F7A	E	1	UNSIGNED_16	1	
C00134	Ramp smoothing main setpoint	Selection list	24441	5F79	E	1	UNSIGNED_8	1	
C00136	Communication control words	Bit coded	24439	5F77	A	1	UNSIGNED_16	1	
C00137	Device status	Selection list	24438	5F76	E	1	UNSIGNED_16	1	
C00141	Device settings	Selection list	24434	5F72	A	1	UNSIGNED_8	1	
C00142	Auto-start option	Bit coded	24433	5F71	E	1	UNSIGNED_8	1	
C00143	Selection of special functions	Bit coded	24432	5F70	E	1	UNSIGNED_16	1	
C00144	Switching frequency reduction (temp.)	Selection list	24431	5F6F	E	1	UNSIGNED_8	1	
C00150	Status word	Bit coded	24425	5F69	E	1	UNSIGNED_16	1	
C00155	Status word 2	Bit coded	24420	5F64	E	1	UNSIGNED_16	1	
C00158	Cause of controller inhibit	Bit coded	24417	5F61	E	1	UNSIGNED_16	1	
C00159	Cause of quick stop QSP	Bit coded	24416	5F60	E	1	UNSIGNED_16	1	
C00160	Status determining error	Linear value	24415	5F5F	A	1	UNSIGNED_16	1	
C00161	Status-determining error	Linear value	24414	5F5E	A	1	UNSIGNED_32	1	
C00165	Error information	String	24410	5F5A	A	1	VISIBLE_STRING [14]		
C00166	Error information text	String	24409	5F59	A	3	VISIBLE_STRING [30]		
C00168	Error number	Linear value	24407	5F57	A	8	UNSIGNED_32	1	
C00169	Time of error	Linear value	24406	5F56	A	8	UNSIGNED_32	1	
C00170	Error counter	Linear value	24405	5F55	A	8	UNSIGNED_8	1	
C00173	Mains voltage	Selection list	24402	5F52	E	1	UNSIGNED_8	1	CINH
C00174	Reduced brake chopper threshold	Linear value	24401	5F51	E	1	UNSIGNED_8	1	
C00175	Brake energy management: Selection of the braking method	Selection list	24400	5F50	E	1	UNSIGNED_8	1	CINH
C00177	Switching cycles	Linear value	24398	5F4E	A	2	UNSIGNED_32	1	
C00178	Elapsed-hour meter	Linear value	24397	5F4D	E	1	UNSIGNED_32	1	
C00179	Power-on time meter	Linear value	24396	5F4C	E	1	UNSIGNED_32	1	
C00181	Time settings	Linear value	24394	5F4A	A	1	UNSIGNED_16	1	
C00182	S-ramp time PT1	Linear value	24393	5F49	E	1	INTEGER_16	100	
C00199	Device name	String	24376	5F38	A	1	VISIBLE_STRING [32]		
C00200	Firmware product type	String	24375	5F37	E	1	VISIBLE_STRING [19]		
C00201	Firmware compile date	String	24374	5F36	E	1	VISIBLE_STRING [22]		
C00203	Product type code	String	24372	5F34	A	9	VISIBLE_STRING [24]		
C00204	Serial number	String	24371	5F33	A	7	VISIBLE_STRING [24]		
C00210	HW version	String	24365	5F2D	A	1	VISIBLE_STRING [5]		
C00222	L_PCTRL_1: Vp	Linear value	24353	5F21	E	1	INTEGER_16	10	
C00223	L_PCTRL_1: Tn	Linear value	24352	5F20	E	1	UNSIGNED_16	1	
C00224	L_PCTRL_1: Kd	Linear value	24351	5F1F	E	1	UNSIGNED_16	10	
C00225	L_PCTRL_1: MaxLimit	Linear value	24350	5F1E	E	1	INTEGER_16	100	
C00226	L_PCTRL_1: MinLimit	Linear value	24349	5F1D	E	1	INTEGER_16	100	
C00227	L_PCTRL_1: Acceleration time	Linear value	24348	5F1C	E	1	UNSIGNED_32	1000	
C00228	L_PCTRL_1: Deceleration time	Linear value	24347	5F1B	E	1	UNSIGNED_32	1000	
C00231	L_PCTRL_1: Operating range	Linear value	24344	5F18	A	4	INTEGER_16	100	
C00233	L_PCTRL_1: Root function	Selection list	24342	5F16	E	1	UNSIGNED_8	1	
C00234	Oscillation damping influence	Linear value	24341	5F15	E	1	UNSIGNED_16	100	
C00235	Oscillation damping filter time	Linear value	24340	5F14	E	1	UNSIGNED_8	1	

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Code	Name	Type	Index		Data				
			dec	hex	DS	DA	DT	Factor	CINH
C00239	Limitation of lower speed	Linear value	24336	5F10	E	1	INTEGER_16	1	
C00241	L_NSet_1: Hyst. NSet reached	Linear value	24334	5F0E	E	1	INTEGER_16	100	
C00242	L_PCTRL_1: Operating mode	Selection list	24333	5F0D	E	1	UNSIGNED_8	1	
C00243	L_PCTRL_1: Accel. time influence	Linear value	24332	5F0C	E	1	UNSIGNED_32	1000	
C00244	L_PCTRL_1: Deceleration time influence	Linear value	24331	5F0B	E	1	UNSIGNED_32	1000	
C00245	L_PCTRL_1: PID output value	Linear value	24330	5F0A	E	1	INTEGER_16	100	
C00246	L_PCTRL_1: nAct_a internal	Linear value	24329	5F09	E	1	INTEGER_16	100	
C00273	Moment of inertia	Linear value	24302	5EEE	E	1	UNSIGNED_16	10	
C00276	SC: max. output voltage	Linear value	24299	5EEB	E	1	UNSIGNED_8	1	
C00371	CAN ErrorCode	Linear value	24204	5E8C	A	1	UNSIGNED_16	1	
C00420	Number of encoder increments	Linear value	24155	5E5B	A	1	UNSIGNED_16	1	CINH
C00425	Encoder scanning time	Selection list	24150	5E56	A	1	UNSIGNED_8	1	CINH
C00443	Dlx: Level	Bit coded	24132	5E44	A	2	UNSIGNED_16	1	
C00444	DOx: Level	Bit coded	24131	5E43	A	2	UNSIGNED_16	1	
C00445	FreqInxx_nOut_v	Linear value	24130	5E42	A	1	INTEGER_16	1	
C00446	FreqInxx_nOut_a	Linear value	24129	5E41	A	1	INTEGER_16	100	
C00461	Remote: Acceleration/deceleration time	Linear value	24114	5E32	A	1	UNSIGNED_32	1000	
C00463	Keypad: Default parameter	Linear value	24112	5E30	A	2	INTEGER_32	1000	
C00466	Keypad: Default parameter	Linear value	24109	5E2D	E	1	INTEGER_32	1	
C00467	Keypad: Default welcome screen	Selection list	24108	5E2C	E	1	INTEGER_32	1	
C00469	Keypad: Fct. STOP key	Selection list	24106	5E2A	E	1	INTEGER_32	1	
C00470	LS_ParFree_b	Selection list	24105	5E29	A	16	UNSIGNED_8	1	
C00471	LS_ParFree	Bit coded	24104	5E28	A	4	UNSIGNED_16	1	
C00472	LS_ParFree_a	Linear value	24103	5E27	A	4	INTEGER_16	100	
C00480	LS_DisFree_b	Bit coded	24095	5E1F	E	1	UNSIGNED_8	1	
C00481	LS_DisFree	Bit coded	24094	5E1E	A	4	UNSIGNED_16	1	
C00482	LS_DisFree_a	Linear value	24093	5E1D	A	4	INTEGER_16	100	
C00488	L_JogCtrlExtension_1: EdgeDetect	Selection list	24087	5E17	A	6	UNSIGNED_8	1	
C00495	Speed sensor selection	Selection list	24080	5E10	E	1	UNSIGNED_8	1	
C00496	Encoder evaluation method	Selection list	24079	5E0F	E	1	UNSIGNED_8	1	CINH
C00497	Nact filter time constant	Linear value	24078	5E0E	A	1	UNSIGNED_16	10	
C00517	User menu	Linear value	24058	5DFA	A	25	INTEGER_32	1000	
C00563	Current monitoring: Delay time	Linear value	24012	5DCC	A	1	UNSIGNED_32	1000	
C00565	Resp. to mains phase failure	Selection list	24010	5DCA	E	1	UNSIGNED_8	1	
C00567	Resp. to speed controller limited	Selection list	24008	5DC8	E	1	UNSIGNED_8	1	
C00572	Brake resistor overload threshold	Linear value	24003	5DC3	E	1	UNSIGNED_8	1	
C00574	Resp. to brake resist. overtemp.	Selection list	24001	5DC1	E	1	UNSIGNED_8	1	
C00579	Resp. to speed monitoring	Selection list	23996	5DBC	E	1	UNSIGNED_8	1	
C00581	Resp. to LS_SetError_x	Selection list	23994	5DBA	A	2	UNSIGNED_8	1	
C00582	Resp. to heatsink temp.> shutdown temp. -5°C	Selection list	23993	5DB9	E	1	UNSIGNED_8	1	
C00584	Resp. to current monitoring	Selection list	23991	5DB7	A	1	UNSIGNED_8	1	
C00585	Resp. to motor overtemp. PTC	Selection list	23990	5DB6	E	1	UNSIGNED_8	1	
C00586	Resp. to encoder open circuit	Selection list	23989	5DB5	E	1	UNSIGNED_8	1	
C00594	Resp. to control word error	Selection list	23981	5DAD	A	2	UNSIGNED_8	1	
C00597	Resp. to LP1 motor phase fault	Selection list	23978	5DAA	E	1	UNSIGNED_8	1	
C00598	Resp. to open circuit AInx	Selection list	23977	5DA9	A	1	UNSIGNED_8	1	
C00600	Resp. to DC bus undervoltage	Selection list	23975	5DA7	A	1	UNSIGNED_8	1	
C00601	Del. resp.to fault: DC bus overvoltage	Linear value	23974	5DA6	A	1	UNSIGNED_16	1000	
C00604	Resp. to device overload (lxt)	Selection list	23971	5DA3	E	1	UNSIGNED_8	1	

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Parameter reference

Code	Name	Type	Index		Data				
			dec	hex	DS	DA	DT	Factor	CINH
C00606	Resp. to motor overload (I ² t)	Selection list	23969	5DA1	E	1	UNSIGNED_8	1	
C00607	Resp. to max. speed reached	Selection list	23968	5DA0	E	1	UNSIGNED_8	1	
C00620	16-bit system connection	Selection list	23955	5D93	A	27	UNSIGNED_16	1	
C00621	Bool system connection	Selection list	23954	5D92	A	77	UNSIGNED_16	1	
C00632	L_NSet_1: Max. skip freq.	Linear value	23943	5D87	A	3	INTEGER_16	100	
C00633	L_NSet_1: Min. skip freq.	Linear value	23942	5D86	A	3	INTEGER_16	100	
C00634	L_NSet_1: wState	Bit coded	23941	5D85	E	1	UNSIGNED_16	1	
C00680	L_Compare_1: Fct.	Selection list	23895	5D57	E	1	UNSIGNED_8	1	
C00681	L_Compare_1: Hysteresis	Linear value	23894	5D56	E	1	INTEGER_16	100	
C00682	L_Compare_1: Window	Linear value	23893	5D55	E	1	INTEGER_16	100	
C00700	LA_NCtrl: Analog connection list	Selection list	23875	5D43	A	19	UNSIGNED_16	1	
C00701	LA_NCtrl: Digital connection list	Selection list	23874	5D42	A	35	UNSIGNED_16	1	
C00720	L_DigitalDelay_1: Delay	Linear value	23855	5D2F	A	2	UNSIGNED_32	1000	
C00721	L_DigitalDelay_2: Delay	Linear value	23854	5D2E	A	2	UNSIGNED_32	1000	
C00725	Current switching frequency	Selection list	23850	5D2A	E	1	UNSIGNED_8	1	
C00761	L_JogCtrlExtension_1: Digital connection list	Selection list	23814	5D06	A	11	UNSIGNED_16	1	
C00800	L_MPot_1: Upper limit	Linear value	23775	5CDF	E	1	INTEGER_16	100	
C00801	L_MPot_1: Lower limit	Linear value	23774	5CDE	E	1	INTEGER_16	100	
C00802	L_MPot_1: Acceleration time	Linear value	23773	5CDD	E	1	UNSIGNED_16	10	
C00803	L_MPot_1: Deceleration time	Linear value	23772	5CDC	E	1	UNSIGNED_16	10	
C00804	L_MPot_1: Inactive fct.	Selection list	23771	5CDB	E	1	UNSIGNED_8	1	
C00805	L_MPot_1: Init fct.	Selection list	23770	5CDA	E	1	UNSIGNED_8	1	
C00806	L_MPot_1: Use	Selection list	23769	5CD9	E	1	UNSIGNED_8	1	
C00820	L_DigitalLogic_1: Function	Selection list	23755	5CCB	E	1	UNSIGNED_8	1	
C00821	L_DigitalLogic_1: Truth table	Selection list	23754	5CCA	A	4	UNSIGNED_8	1	
C00822	L_DigitalLogic_2: Function	Selection list	23753	5CC9	E	1	UNSIGNED_8	1	
C00823	L_DigitalLogic_2: Truth table	Selection list	23752	5CC8	A	4	UNSIGNED_8	1	
C00830	16-bit analog input	Linear value	23745	5CC1	A	15	INTEGER_16	100	
C00831	16-bit common input	Bit coded	23744	5CC0	A	3	UNSIGNED_16	1	
C00833	8-bit input	Selection list	23742	5CBE	A	52	UNSIGNED_8	1	
C00876	Network MCI/CAN input words	Bit coded	23699	5C93	A	8	UNSIGNED_16	1	
C00877	Output words Network MCI/AN	Bit coded	23698	5C92	A	8	UNSIGNED_16	1	
C00890	LP_Network_InOut: Inversion	Bit coded	23685	5C85	A	4	UNSIGNED_16	1	
C00909	Speed limitation	Linear value	23666	5C72	A	2	INTEGER_16	100	
C00910	Frequency limitation	Linear value	23665	5C71	A	2	UNSIGNED_16	1	
C00937	Field-oriented motor currents	Linear value	23638	5C56	A	1	INTEGER_16	100	
C00938	PSM: Maximum motor current field weakening	Linear value	23637	5C55	E	1	UNSIGNED_16	100	
C00939	Ultimate motor current	Linear value	23636	5C54	E	1	UNSIGNED_16	10	
C00965	Max. motor speed	Linear value	23610	5C3A	E	1	UNSIGNED_16	1	
C00971	VFC: V/f +encoder limitation	Linear value	23604	5C34	A	2	UNSIGNED_16	100	
C00972	VFC: Vp V/f +encoder	Linear value	23603	5C33	E	1	UNSIGNED_16	1000	
C00973	VFC: Ti V/f +encoder	Linear value	23602	5C32	E	1	UNSIGNED_16	10	
C00975	VFC-ECO: Vp	Linear value	23600	5C30	E	1	UNSIGNED_16	1000	
C00976	VFC-ECO: Ti	Linear value	23599	5C2F	E	1	UNSIGNED_16	10	
C00977	VFC-ECO: Minimum voltage V/f	Linear value	23598	5C2E	E	1	UNSIGNED_8	1	
C00978	VFC-ECO: Motor voltage Sub	Linear value	23597	5C2D	E	1	INTEGER_16	1	
C00979	Cosine phi	Linear value	23596	5C2C	A	2	INTEGER_16	100	
C00980	Output power	Linear value	23595	5C2B	A	2	INTEGER_32	1000	
C00981	Energy display	Linear value	23594	5C2A	A	2	INTEGER_32	100	

Greyed out = display parameter (read only access)

Parameter reference

Structure of the parameter descriptions

Code	Name	Type	Index		Data				
			dec	hex	DS	DA	DT	Factor	CINH
C00982	VFC-ECO: Motor voltage Sub ramp	Linear value	23593	5C29	E	1	UNSIGNED_8	10	
C00984	Motor flux Add	Linear value	23591	5C27	E	1	INTEGER_16	100	
C00985	SLVC: Gain of field current controller	Linear value	23590	5C26	E	1	INTEGER_16	100	
C00986	SLVC: Gain of cross current controller	Linear value	23589	5C25	E	1	INTEGER_16	100	
C00987	Inverter motor brake: nAdd	Linear value	23588	5C24	E	1	INTEGER_16	1	
C00990	Flying restart fct.: Activate	Selection list	23585	5C21	E	1	UNSIGNED_8	1	
C00991	Flying restart fct.: Process	Selection list	23584	5C20	E	1	UNSIGNED_16	1	
C00992	Flying restart: Start frequency	Linear value	23583	5C1F	E	1	INTEGER_16	1	
C00994	Flying restart: Current	Linear value	23581	5C1D	E	1	INTEGER_16	100	
C00995	SLPSM: Controlled current setpoint	Linear value	23580	5C1C	A	2	UNSIGNED_16	100	
C00996	SLPSM: Switching speed	Linear value	23579	5C1B	A	2	INTEGER_16	100	
C00997	SLPSM: Filter cutoff frequency	Linear value	23578	5C1A	E	1	INTEGER_16	100	
C00998	SLPSM: Filter time rotor position	Linear value	23577	5C19	A	2	INTEGER_16	10	
C00999	SLPSM: PLL gain	Linear value	23576	5C18	E	1	INTEGER_16	1	
C01000	MCTRL: Status	Bit coded	23575	5C17	E	1	UNSIGNED_16	1	
C01082	LS_WriteParamList: Execute Mode	Selection list	23493	5BC5	E	1	UNSIGNED_8	1	
C01083	LS_WriteParamList: FailState	Linear value	23492	5BC4	E	1	UNSIGNED_16	1	
C01084	LS_WriteParamList: Error line	Linear value	23491	5BC3	E	1	UNSIGNED_8	1	
C01085	LS_WriteParamList: Index	Linear value	23490	5BC2	A	16	INTEGER_32	1000	
C01086	LS_WriteParamList: WriteValue_1	Linear value	23489	5BC1	A	16	INTEGER_32	1	
C01087	LS_WriteParamList: WriteValue_2	Linear value	23488	5BC0	A	16	INTEGER_32	1	
C01090	LS_ParReadWrite_1: Index	Linear value	23485	5BBD	A	1	INTEGER_32	1000	
C01091	LS_ParReadWrite_1: Cycle time	Selection list	23484	5BBC	A	1	UNSIGNED_16	1	
C01092	LS_ParReadWrite_1: FailState	Linear value	23483	5BBB	A	1	UNSIGNED_16	1	
C01100	L_Counter_1: Function	Selection list	23475	5BB3	A	1	UNSIGNED_8	1	
C01101	L_Counter_1: Comparison	Selection list	23474	5BB2	A	1	UNSIGNED_8	1	
C01206	Axis data: Mounting direction	Selection list	23369	5B49	A	2	UNSIGNED_8	1	CINH
C01350	ACDrive: Drive mode	Selection list	23225	5AB9	A	1	UNSIGNED_8	1	
C01351	ACDrive: Control word	Bit coded	23224	5AB8	A	1	UNSIGNED_16	1	
C01352	ACDrive: Status word	Bit coded	23223	5AB7	A	1	UNSIGNED_16	1	
C01353	ACDrive: Setpoint scaling	Linear value	23222	5AB6	A	2	INTEGER_8	1	
C01354	LS_Convert	Selection list	23221	5AB5	A	3	UNSIGNED_8	1	CINH
C01501	Resp. to communication error with MCI	Selection list	23074	5A22	A	2	UNSIGNED_8	1	
C01503	MCI timeout	Linear value	23072	5A20	A	1	UNSIGNED_16	1	
C01905	Diagnostics: Current baud rate	Linear value	22670	588E	E	1	UNSIGNED_32	1	
C01911	Function DIP switch S1	Bit coded	22664	5888	E	1	UNSIGNED_8	1	
C01912	Function DIP switch S2	Bit coded	22663	5887	E	1	UNSIGNED_8	1	
C01913	Switch poti.: Analog values	Linear value	22662	5886	A	3	INTEGER_16	100	
C02580	Holding brake: Operating mode	Selection list	21995	55EB	E	1	UNSIGNED_8	1	
C02581	Holding brake: Speed thresholds	Linear value	21994	55EA	A	3	INTEGER_16	100	
C02582	Holding brake: Setting	Bit coded	21993	55E9	E	1	UNSIGNED_8	1	
C02589	Holding brake: Time system	Linear value	21986	55E2	A	3	UNSIGNED_16	1	
C02593	Holding brake: Activation time	Linear value	21982	55DE	A	2	UNSIGNED_32	1000	
C02607	Holding brake: Status	Bit coded	21968	55D0	E	1	UNSIGNED_16	1	
C02610	MCK: Accel./decel. times	Linear value	21965	55CD	A	1	UNSIGNED_32	1000	
C02842	FreqInxx: Offset	Linear value	21733	54E5	A	1	INTEGER_16	100	
C02843	FreqInxx: Gain	Linear value	21732	54E4	A	1	INTEGER_16	100	
C02853	PSM: Lss saturation characteristic	Linear value	21722	54DA	A	17	UNSIGNED_8	1	
C02855	PSM: Imax Lss saturation characteristic	Linear value	21720	54D8	E	1	UNSIGNED_16	10	
C02859	PSM: Activate Ppp saturation char.	Selection list	21716	54D4	E	1	UNSIGNED_8	1	

Greyed out = display parameter (read only access)

Parameter reference

1.2 Structure of the parameter descriptions

Each parameter is described in the [Parameter list](#) in the form of a table which consists of the following three areas:

Table header

The table header contains the following general information:

- Parameter number (Cxxxxx)
- Parameter name (display text in the »Emotron Easy Starter« and keypad)
- [Data type](#)
- Parameter index in decimal and hexadecimal notation for access via a fieldbus (e.g. CAN system bus).



Tip!

The parameter index is calculated as follows:

- Index [dec] = 24575 - code
- Index [hex] = 0x5FFF - code

Example for code C00005:

- Index [dec] = 24575 - 5 = 24570
- Index [hex] = 0x5FFF - 0x{5} = 0x5FFA

Table contents

The table contains further general explanations & notes on the parameter and the possible settings, which are represented in different ways depending on the parameter type:

- [Parameters with read-only access](#)
- [Parameters with write access](#)

Table footer

The table footer contains the [Parameter attributes](#).

1.2.1 Data type

The following data types are available for parameters:

Data type	Meaning
INTEGER_16	16-bit value with sign
INTEGER_32	32-bit value with sign
UNSIGNED_8	8-bit value without sign
UNSIGNED_16	16-bit value without sign
UNSIGNED_32	32-bit value without sign
VISIBLE_STRING	String of characters of printable characters

1.2.2 Parameters with read-only access

Parameters for which the "write access" attribute has not been set can only be read and not be changed by the user.

Description structure

Parameter Name: Cxxxxx _____	Data type: _____ Index: _____
Description	
Display range (min. value unit max. value)	

<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1	

Representation in the »Emotron Easy Starter«

The »Emotron Easy Starter« displays these parameters with a grey background or, with an online connection, with a pale-yellow background:

▲	C...	S	Name	Value	Unit
	3	0	Status of last device command	Successful	

Parameter reference

1.2.3 Parameters with write access

Only parameters with a check mark (☑) in front of the "write access" attribute can be changed by the user. The default setting for these parameters is **printed in bold**.

- The settings can either be selected from a selection list or the values can be entered directly.
- Values outside the valid setting range are represented in red in the »Emotron Easy Starter«.

1.2.3.1 Parameters with setting range

Description structure

Parameter Name: Cxxxxx _____	Data type: _____ Index: _____
Description	
Setting range (min. value unit max. value)	Setting
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1	

Parameter setting in the »Emotron Easy Starter«

In the »Emotron Easy Starter«, parameters are set by entering the desired value into the input

C...	S	Name	Value	Unit
11	0	Appl.: Reference speed	1500	rpm

field:

1.2.3.2 Parameters with selection list

Description structure

Parameter Name: Cxxxxx _____	Data type: _____ Index: _____
Description	
Selection list (setting printed in bold)	
1	
2	
3	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1	

Parameter reference

Parameter setting in the »Emotron Easy Starter«

In the »Emotron Easy Starter«, a list field is used for parameter setting:

C...	S	Name	Value	Unit
173	0	Mains voltage	0: 3ph 400V 0: 3ph 400V 1: 3ph 440V 2: 3ph 480V	

1.2.3.3 Parameters with bit-coded setting

Description structure

Parameter Name: Cxxxxx _____	Data type: _____ Index: _____
Description	
Value is bit-coded:	
Bit 0	
...	
Bit 31	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1	

Parameter setting in the »Emotron Easy Starter«

The »Emotron Easy Starter« uses a dialog box for parameter setting in which the individual bits can be set or reset. Alternatively, the value can be entered as a decimal or hexadecimal value:

Bit	Comment
<input checked="" type="checkbox"/>	0 Relay inverted
<input checked="" type="checkbox"/>	1 DO1 inverted
<input type="checkbox"/>	2 Reserved
<input type="checkbox"/>	3 Reserved
<input type="checkbox"/>	4 Reserved
<input type="checkbox"/>	5 Reserved
<input type="checkbox"/>	6 Reserved
<input type="checkbox"/>	7 Reserved

Parameter reference

1.2.3.4 Parameters with subcodes

Description structure

Parameter Name: Cxxxxx _____		Data type: _____ Index: _____
Description		
Setting range (min. value unit max. value)		
Subcodes	Setting	
Cxxxxx/1		
Cxxxxx/2		
Cxxxxx/3		
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter setting in the »Emotron Easy Starter«

The »Emotron Easy Starter« parameter list displays each subcode individually. The parameters are set as described in the previous chapters.

	▲	C...	/	S	Name	Value	Unit
		39		1	Fixed setpoint 1	40.00	%
		39		2	Fixed setpoint 2	60.00	%
		39		3	Fixed setpoint 3	80.00	%

1.2.4 Parameter attributes

The table footers contain the parameter attributes:

Read access Write access CINH PLC STOP No transfer COM MOT Scaling factor: 1

Attribute	Meaning	
<input type="checkbox"/> Read access	Read access to parameter possible.	
<input type="checkbox"/> Write access	Write access to parameter possible. • Please also observe the following attributes:	
	<input type="checkbox"/> CINH	Parameter value can only be changed when the controller is inhibited.
	<input type="checkbox"/> PLC STOP	Parameter value can only be changed when the application is stopped.
<input type="checkbox"/> No transfer	Parameter is not transferred to inverter when the command <u>Download parameter set</u> is executed.	
<input type="checkbox"/> COM	Communication-relevant parameter • This parameter is relevant for parameter data transfer via the (CAN) system bus.	
<input type="checkbox"/> MOT	Motor control parameters	

Scaling factor

The "scaling factor" is important for parameter access via a bus system.

Signal type	Scaling	Resolution	Value range
Analog (scaled)	100	16 bits signed	± 199.99 %
Angular velocity	1	16 bits signed	± 32767 incr./ms
Position in [units]	10000	32 bits signed	± 214748.3647 [units]
Digital (BOOL)	1	8 bits unsigned	0 ≡ FALSE; 1 ≡ TRUE
Time	1000	16 bits unsigned	0 ... 999.000 s
Selection value	1	16 bits unsigned	0 ... 65535

Example 1: The value "654" of the parameter [C00028/1](#) (AIN1: input voltage) read via a bus system must be divided by the corresponding scaling factor "100" to obtain the actual display value "6.54 V".

$$\frac{\text{Read value (via bus system)}}{\text{Scaling}} = \text{Indicated value}$$

[11-1] Conversion formula for read access via bus system

Example 2: In order to set the parameter [C00012](#) (acceleration time - main setpoint) to the value "123.4 s" via a bus system, the integer value "123400" must be transferred, i.e. the value to be set must be multiplied by the corresponding scaling factor "1000".

$$\text{Value to be written (via bus system)} = \text{Value to be set} \cdot \text{Scaling factor}$$

[11-2] Conversion formula for write access via bus system

Character length

In case of parameters of "VISIBLE_STRING" data type, the character length is given in addition. This is also important for the parameter access via a bus system.

Parameter reference

1.3 Parameter list

This chapter lists all parameters of the operating system in numerically ascending order.



Note!

The parameter descriptions are based on the software version V09.00.00.

C00002

Parameter Name: C00002 Device command		Data type: UNSIGNED 8 Index: 24573 _d = 5FFD _h
Note: <ul style="list-style-type: none"> • Before switching off the supply voltage after a device command has been executed, check the successful execution of the device command via the status display in C00003! • Before activating device commands by a master control, wait for the "Ready" signal of the inverter. • The device will reject a write process to C00002/x if the value is >1 and issue an error message. <ul style="list-style-type: none"> ▶ Drive control (DCTRL): Device commands 		
Selection list		
	0	Off / ready
	1	On / start
	2	Work in progress
	4	Action cancelled
	5	No access
	6	No access controller inhibit
Subcodes	Setting	Info
C00002/1	0: Off / ready	Load Factory setting <ul style="list-style-type: none"> • All parameters are reset to the Factory setting. • Only possible when the controller is inhibited. ▶ Load Factory setting
C00002/2	0: Off / ready	Load parameter set 1 <ul style="list-style-type: none"> • Load parameter set 1 from the memory module. ▶ Load parameter set 1
C00002/3	0: Off / ready	Reserved
C00002/4	0: Off / ready	Reserved
C00002/5	0: Off / ready	Reserved
C00002/6	0: Off / ready	Reserved
C00002/7	0: Off / ready	Save parameter set 1 <ul style="list-style-type: none"> • Saving parameter set 1 in the memory module safe against mains failure. ▶ Save parameter settings
C00002/8	0: Off / ready	Reserved
C00002/9	0: Off / ready	Reserved
C00002/10	0: Off / ready	Reserved
C00002/11	0: Off / ready	Save all parameter sets <ul style="list-style-type: none"> • All parameter sets are saved to the memory module safe against mains failure. ▶ Save parameter settings

Parameter reference

Parameter list | C00003

Parameter Name: UNSIGNED_8 C00002 Device command		Data type: Index: 24573 ₀ = 5FFD _h
C00002/12	0: Off / ready	Importing EPM data <ul style="list-style-type: none"> Setting "1: On / start" activates the automatic import of parameters of the memory module after the error message "PS04".
C00002/13	0: Off / ready	Reserved
C00002/14	0: Off / ready	Reserved
C00002/15	0: Off / ready	Reserved
C00002/16	1: On / start	Enable drive <ul style="list-style-type: none"> 1 ≡ Enable inverter 0 ≡ Inhibit inverter ▶ Enable/inhibit inverter
C00002/17	0: Off / ready	Activate quick stop <ul style="list-style-type: none"> 1 ≡ Activate quick stop 0 ≡ Deactivate quick stop ▶ Activate/deactivate quick stop
C00002/18	0: Off / ready	Reserved
C00002/19	0: Off / ready	Reset error <ul style="list-style-type: none"> After the reset (acknowledgement) of the current error, further errors may be pending which must also be reset. Details of the currently pending error are displayed in C00166.
C00002/20	0: Off / ready	Reserved
C00002/21	0: Off / ready	Delete logbook <ul style="list-style-type: none"> All entries in the logbook of the drive are deleted. In the logbook, information on the error history is saved. ▶ Logbook
C00002/22	0: Off / ready	Reserved
C00002/23	0: Off / ready	Motor parameter identification <ul style="list-style-type: none"> This device command serves to carry out automatic motor parameter identification. The device command is only executed when the drive is in the "SwitchedOn" status. In order to identify the motor parameters, the drive must be enabled after this device command. ▶ Automatic motor parameter identification
C00002/24	0: Off / ready	Reserved
C00002/25	0: Off / ready	Reserved
C00002/26	0: Off / ready	CAN reset node <ul style="list-style-type: none"> Reinitialise CAN interface of the communication unit CANopen. Required when changing the baud rate, node address, or identifiers.
C00002/27	0: Off / ready	Device search function <ul style="list-style-type: none"> From version 04.00.00 This device command serves to optically locate a drive connected online (e.g. for maintenance work). ▶ Device search function
C00002/28	0: Off / ready	Reserved

Parameter reference

Parameter Name: C00002 Device command		Data type: UNSIGNED_8 Index: 24573 _d = 5FFD _h
C00002/29	0: Off / ready	Reserved
C00002/30	0: Off / ready	Reserved
C00002/31	0: Off / ready	Reserved
C00002/32	0: Off / ready	Reserved
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00003

Parameter Name: C00003 Status of last device command		Data type: UNSIGNED_8 Index: 24572 _d = 5FFC _h
Status of the device command executed last (C00002).		
Note: Before switching off the supply voltage after carrying out a device command, check whether the device command has been carried out successfully via the status display! ▶ Drive control (DCTRL): Device commands		
Selection list (read only)		Info
0	Successful	Device command has been executed successfully.
1	Command unknown	Device command implausible or unknown to the system.
2	No access	Unauthorised access for requested device command.
3	Time-out	Device command could not be processed in the defined time (timeout).
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00005

Parameter Name: C00005 Application		Data type: UNSIGNED_16 Index: 24570 _d =
Selection of the technology application		
Selection list (factory setting printed in bold)		Info
1000	Actuating drive speed	This technology application is used to solve speed- controlled drive tasks, e.g. conveying belts. ▶ Application "Speed actuating drive"
1100	Actuating drive speed (AC Drive Profile)	From version 04.01.00 Use this application if you use the EtherNet/IP™ Communication Unit. The process data word received from the master control is then interpreted as "AC Drive profile" control word. Detailed information on the "AC Drive Profile" can be found in the EtherNet/IP™ communication manual (Not valid for Emotron CDN).
3000	Switch-off positioning	From version 05.00.00 This technology application is used to solve speed- controlled drive tasks which require a pre-switch off or stopping at certain positions, e.g. roller conveyors and conveying belts. This is implemented by connecting switch-off sensors. ▶ Application "Switch-off positioning"
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C17

C00006

Parameter Name: C00006 Motor control		Data type: UNSIGNED_8 Index: 24569 _d = 5FF9 _n
Selection of the motor control mode		
▶ Motor control (MCTRL): Select control		
Selection list (factory setting printed in bold)	Info	
3	SLPSM: Sensorless PSM	<p>From version 03.00.00</p> <p>This control type is used for the sensorless control of a synchronous motor.</p> <p>▶ Sensorless control for synchronous motors</p>
4	SLVC: Vector control	<p>This control type is used for sensorless vector control of an asynchronous motor.</p> <ul style="list-style-type: none"> The control type requires motor parameters to be set as exactly as possible! <p>▶ Sensorless vector control</p>
6	VFCplus: V/f linear	<p>This control type is used for the speed control of an asynchronous motor via a linear V/f characteristic and is the simplest control type.</p> <ul style="list-style-type: none"> For setting the V/f characteristic, only the rated frequency (C00089) and the rated voltage (C00090) of the motor have to be entered. <p>▶ V/f characteristic control</p>
7	VFCplus: V/f linear + encoder	<p>From version 02.00.00</p> <p>This control type is used for speed control of an asynchronous motor via a linear V/f characteristic.</p> <ul style="list-style-type: none"> The control type requires a speed feedback via an encoder mounted to the motor! For setting the V/f characteristic, only the rated frequency (C00089) and the rated voltage (C00090) of the motor have to be entered. <p>▶ V/f control</p>
8	VFCplus: V/f quadr	<p>This control type is used for speed control of an asynchronous motor via a square-law V/f characteristic.</p> <ul style="list-style-type: none"> For setting the V/f characteristic, only the rated frequency (C00089) and the rated voltage (C00090) of the motor have to be entered. <p>▶ V/f characteristic control</p>
9	VFCplus: V/f quadr + encoder	<p>From version 02.00.00</p> <p>This control type is used for speed control of an asynchronous motor via a square-law V/f characteristic.</p> <ul style="list-style-type: none"> The control type requires a speed feedback via an encoder mounted to the motor! For setting the V/f characteristic, only the rated frequency (C00089) and the rated voltage (C00090) of the motor have to be entered. <p>▶ V/f control</p>
11	VFCplusEco: V/f energy-saving	<p>This control type is used for energy-saving speed control of an asynchronous motor via a linear V/f characteristic.</p> <ul style="list-style-type: none"> For setting the V/f characteristic, only the rated frequency (C00089) and the rated voltage (C00090) of the motor have to be entered. Predestinated application areas of this control type are materials handling technology and pump and fan systems. <p>▶ V/f characteristic control, energy-saving</p>
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00007

Parameter Name: C00007 Control mode		Data type: UNSIGNED_16 Index: 24568 _d =
Selection of how the application is to be controlled.		
Selection list (factory setting printed in bold)	Info	
0	Wiring has changed	This display appears when the preset configuration has been reparameterised via the connection parameters.
9	Local mode	The technology application is controlled via the control elements at the drive. Detailed information on this control mode can be found in the mounting instructions/hardware manual. The digital input terminals in local mode are assigned as follows: <ul style="list-style-type: none"> • D11 = setpoint of P2/fixed setpoint 3 • D12 = fixed setpoint 2/3 • D13 = activate DC injection brake • D14 = change of direction of rotation <ul style="list-style-type: none"> • If the reversal of rotation direction is permanently set to ccw (left) via DIP switches (DIP switch S1/ DIP2 = "ON"), D14 has no influence. • D15 = manual release of holding brake (set operating mode in C02580) (not valid for Emotron CDN)
10	Terminals 0: Jog1; Jog2; DCB; R/L	The technology application is controlled via the digital input terminals of the inverter: <ul style="list-style-type: none"> • D11 = fixed setpoint 1/3 • D12 = fixed setpoint 2/3 • D13 = activate DC injection brake • D14 = change of direction of rotation • D15 = manual release of holding brake (set operating mode in C02580) (not valid for Emotron CDN)
12	Terminals 2: Jog1; Jog2; QSp; R/L	The technology application is controlled via the digital input terminals of the inverter: <ul style="list-style-type: none"> • D11 = fixed setpoint 1/3 • D12 = fixed setpoint 2/3 • D13 = quick stop • D14 = change of direction of rotation • D15 = open/close holding brake (in conjunction with the operating mode set in C02580) (not valid for Emotron CDN)
14	Terminals 11: R/L; DCB; MPotUp; MPotDown	The technology application is controlled via the digital input terminals of the inverter: <ul style="list-style-type: none"> • D11 = change of direction of rotation • D12 = activate DC injection brake • D13 = motor potentiometer: Higher speed • D14 = motor potentiometer: Lower speed • D15 = manual release of holding brake (set operating mode in C02580) (not valid for Emotron CDN)
16	Terminals 16: Jog1; Jog2; R/QSP; L/QSP	The technology application is controlled via the digital input terminals of the inverter: <ul style="list-style-type: none"> • D11 = fixed setpoint 1/3 • D12 = fixed setpoint 2/3 • D13 = CW rotation/quick stop • D14 = CCW rotation/quick stop • D15 = manual release of holding brake (set operating mode in C02580) (not valid for Emotron CDN)
40	Network (MCI/CAN)	The technology application is controlled via fieldbus communication (depending on the available communication unit). ▶ Communication

Parameter Name: C00007 Control mode		Data type: UNSIGNED_16 Index: 24568 _d =
41	Network(ASi)	From version 04.00.00 The technology application is controlled via the "AS-i Option" Communication Unit (not valid for Emotron CDN)
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00010

Parameter Name: C00010 Minimum analog setpoint		Data type: INTEGER_16 Index: 24565 _d = 5FF5 _h
Lower limit for analog input		
Note: <ul style="list-style-type: none"> • Not effective with bipolar analog input (-10 V ... +10 V). • With an offset (C00026/1) not equal to "0.0 %" or a gain (C00027/1) lower than "0.0 %", the minimum output value (for the application) can fall below the value set here. <ul style="list-style-type: none"> ▶ Analog terminals 		
Setting range (min. value unit max. value)		
0.0	%	100.0
Subcodes		Info
C00010/1	factory setting 0.0 %	Min. analog setpoint
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00011

Parameter Name: C00011 Appl.: Reference speed		Data type: UNSIGNED_16 Index: 24564 _d =
Setting the reference speed		
<ul style="list-style-type: none"> • In the inverter, all speed-related signals are processed to one reference variable in percent. • Set a reference speed here that corresponds to 100 %. • The frequency that corresponds to the set reference speed is displayed in C00059. 		
Note: This is not a maximum limitation! All values in percent in the inverter may be in a range of 0 ... 199.99 %.		
Setting range (min. value unit max. value)		factory setting
50	rpm	18000 1500 rpm
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00012

Parameter Name: C00012 Accel. time - main setpoint		Data type: UNSIGNED_32 Index: 24563 _d =
The L_NSet_1 FB: Acceleration time of the ramp generator for the main speed setpoint		
Setting range (min. value unit max. value)		Factory setting
0.0	s	999.9 2.0 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

Parameter reference

C00013

Parameter Name: C00013 Decel. time - main setpoint		Data type: UNSIGNED_32 Index: 24562 _d =	
The L NSet 1 FB: Deceleration time of the ramp generator for the main speed setpoint			
Setting range (min. value unit max. value)		Factory setting	
0.0	s	999.9	2.0 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000			

C00015

Parameter Name: C00015 VFC: V/f base frequency		Data type: UNSIGNED_16 Index: 24560 _d =	
V/f base frequency for V/f characteristic control (VFCplus) and V/f control (VFCplus+encoder) <ul style="list-style-type: none"> • The motor voltage increases linearly with the frequency until the base frequency is reached. From this value on, the motor voltage remains constant, the speed increases and the maximum torque decreases. • After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically. An automatic detection via the motor parameter identification is possible as well. 			
Setting range (min. value unit max. value)		Factory setting	
7.5	Hz	999.9	50.0 Hz
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10			

C00016

Parameter Name: C00016 VFC: Vmin boost		Data type: UNSIGNED_16 Index: 24559 _d =	
Boost of the V/f voltage characteristic in the range of small speeds or frequencies with V/f characteristic control (VFCplus) and V/f control (VFCplus+encoder) <ul style="list-style-type: none"> • This may increase the starting torque. • After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically. An automatic detection via the motor parameter identification is possible as well. <ul style="list-style-type: none"> ▶ Motor control (MCTRL): Setting the Vmin boost 			
Setting range (min. value unit max. value)		Factory setting	
0.0	%	100.0	0.0 %
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00018

Parameter Name: C00018 Switching frequency		Data type: UNSIGNED_8 Index: 24557 _d =	
Selection of the pulse width modulated switching frequency transferred from the inverter to the motor <ul style="list-style-type: none"> • When a variable switching frequency is selected, the switching frequency may change as a function of the load and rotational frequency. <ul style="list-style-type: none"> ▶ Selection of switching frequency 			
Selection list (Factory setting printed in bold)			
2	8 kHz var./drive-optimised		
3	16 kHz var./drive-optimised		
6	4 kHz constant/drive-optimised		
7	8 kHz constant/drive-optimised		
8	16 kHz constant/drive-optimised		
23	16 kHz var/8 kHz min		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00019

Parameter Name: C00019 Auto DCB: Threshold			Data type: UNSIGNED_16 Index: 24556 _d =
Setpoint speed threshold for automatic DC injection braking <ul style="list-style-type: none"> For speed setpoints with values below the thresholds a DC current is injected or the motor is not supplied with current, depending on the setting. <p style="text-align: right;">▶ DC-injection braking ▶ Optimising the starting performance after controller enable</p>			
Setting range (min. value unit max. value)			Factory setting
0	rpm	9999	3 rpm
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00021

Parameter Name: C00021 Slip comp.			Data type: INTEGER_16 Index: 24554 _d = 5FEA _h
Slip compensation for V/f characteristic control (VFCplus) and sensorless vector control (SLVC) <ul style="list-style-type: none"> A higher slip compensation results in a higher increase in frequency and voltage when the machine is under load. After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically. An automatic detection via the motor parameter identification is possible as well. <p style="text-align: right;">▶ Motor control (MCTRL): Optimising the operational performance by slip compensation</p>			
Setting range (min. value unit max. value)			Factory setting
-50.00	%	50.00	0.00 %
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00022

Parameter Name: C00022 I_{max} in motor mode			Data type: UNSIGNED_16 Index: 24553 _d =
Maximum current in motor mode for all motor control modes			
Setting range (min. value unit max. value)			Factory setting
0.00	A	99.99	47.00 A
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00023

Parameter Name: C00023 I_{max} in generator mode			Data type: INTEGER_16 Index: 24552 _d = 5FE8 _h
Maximum current in generator mode for all motor control modes <ul style="list-style-type: none"> 100 % ≡ I_{max} in motor mode (C00022) 			
Setting range (min. value unit max. value)			Factory setting
0.0	%	100.0	100.0 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

Parameter reference

C00024

Parameter Name: C00024 Comparison value N_Act		Data type: INTEGER_16 Index: 24551 _d = 5FE7 _h
Threshold for the actual speed comparison <ul style="list-style-type: none"> • This parameter serves to set a threshold that is compared with the actual speed value. • If the value falls below this threshold, the <i>bNactCompare</i> output sets the LS_DriveInterface system block to TRUE. • Switching hysteresis = +1 % 		
Setting range (min. value unit max. value)		Factory setting
0.0	%	199.9 0.0 %
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00026

Parameter Name: C00026 AINx: Offset		Data type: INTEGER_16 Index: 24549 _d = 5FE5 _h
Offset for analog inputs ▶ Analog terminals		
Setting range (min. value unit max. value)		
-199.9	%	199.9
Subcodes	Factory setting	Info
C00026/1	0.0 %	AIN1: Offset
C00026/2	0.0 %	AIN2: Offset • From version 04.00.00
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00027

Parameter Name: C00027 AINx: Gain		Data type: INTEGER_32 Index: 24548 _d = 5FE4 _h
Gain for analog inputs ▶ Analog terminals		
Setting range (min. value unit max. value)		
-199.9	%	199.9
Subcodes	Factory setting	Info
C00027/1	100.0 %	AIN1: Gain
C00027/2	100.0 %	AIN2: Gain • From version 04.00.00
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00028

Parameter Name: C00028 AINx: Input voltage		Data type: INTEGER_16 Index: 24547 _d = 5FE3 _h
Display of the input voltage at the analog inputs ▶ Analog terminals		
Display range (min. value unit max. value)		
-10.0	V	10.0
Subcodes		Info
C00028/1	AIN1: Input voltage	
C00028/2	AIN2: Input voltage • From version 04.00.00	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00029

Parameter Name: C00029 AINx: Input current		Data type: INTEGER_16 Index: 24546 _d = 5FE2 _h
Display of the Input current at the analog input <ul style="list-style-type: none"> • When the analog input is configured for current measurement (C00034/1 = 1 or 2). • When C00034/1 is set = 2 (4 ... 20 mA), 0 ... 16 mA is displayed. ▶ Analog terminals		
Display range (min. value unit max. value)		
0.0	mA	20.0
Subcodes		Info
C00029/1	AIN1: Input current	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00033

Parameter Name: C00033 AINx: Output value		Data type: INTEGER_16 Index: 24542 _d = 5FDE _h
Display of the output value in percent of the analog input amplifier <ul style="list-style-type: none"> • 100 % ≙ 16384 ≙ +10 V / +20 mA ▶ Analog terminals		
Display range (min. value unit max. value)		
-199.9	%	199.9
Subcodes		Info
C00033/1	AIN1: Output value	
C00033/2	AIN2: Output value • From version 04.00.00	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

C00034

Parameter Name: C00034 AINx: Configuration		Data type: UNSIGNED_8 Index: 24541 _d = 5FDD _h
Configuration of the analog input for current or voltage measurement ▶ Analog terminals		
Selection list		Info
0	0...+10 V(-10V...+10V)	Input signal is voltage signal 0 V ... +10 V • 0 V ... +10 V ≡ 0 % ... +100 %
1	0...+20mA	With external load resistor (250 Ohms): Input signal is the current signal 0 mA ... 20 mA • 0 mA ... 20 mA ≡ 0 % ... +100 %
2	4...+20mA	With external load resistor (250 Ohms): Input signal is the current signal 4 mA ... 20 mA • 4 mA ... 20 mA ≡ 0 % ... +100 % • The current loop is monitored for open circuit (I < 4 mA) by the device.
3	AIn1 - AIn2	Voltage difference (-10 V ... +10 V) between input AIn1 and input AIn2 • Selection is only sensible when using an E84DGFCXxNx Communication Unit (no fieldbus; extended terminal design).
Subcodes	Factory setting	Info
C00034/1	0: 0...+10 V(-10V...+10V)	AIN1: Config.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00036

Parameter Name: C00036 DCB: Current		Data type: INTEGER_16 Index: 24539 _d = 5FDB _h
Braking current in [%] based on rated device current (C00098) • 100 % ≡ C00098 ▶ DC-injection braking		
Setting range (min. value unit max. value)	Factory setting	
0.0 % 100.0	50.0 %	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00039

Parameter Name: C00039 Fixed setpoint x (L_NSet_1 n-Fix)		Data type: INTEGER_16 Index: 24536 _d = 5FD8 _h
The L_NSet_1 FB: Fixed speed setpoints (JOG values) for the setpoint generator • 100 % ≡ C00011		
Setting range (min. value unit max. value)		
-199.9 % 199.9		
Subcodes	Factory setting	Info
C00039/1	40.0 %	Fixed setpoint 1
C00039/2	60.0 %	Fixed setpoint 2
C00039/3	80.0 %	Fixed setpoint 3
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00050

Parameter Name: C00050 MCTRL: Speed setpoint		Data type: INTEGER_32 Index: 24525 _d = 5FCD _h
Display of the speed setpoint at the speed setpoint input of the motor control		
Display range (min. value unit max. value)		
-18000	rpm	18000
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00051

Parameter Name: C00051 MCTRL: Actual speed value		Data type: INTEGER_32 Index: 24524 _d = 5FCC _h
Display of the actual speed value of the motor shaft		
Note: The displayed value only corresponds to the real actual speed value of the motor shaft if an encoder is connected to the motor and the evaluation of the feedback signal has been set correctly ("Closed loop" operation). In case of operation without speed feedback, the signal is calculated from the motor control and thus may not correspond to the real actual speed.		
Display range (min. value unit max. value)		
-18000	rpm	18000
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00052

Parameter Name: C00052 Motor voltage		Data type: UNSIGNED_16 Index: 24523 _d =
Display of the current motor voltage/output voltage of the inverter		
Display range (min. value unit max. value)		
0	V	1000
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00053

Parameter Name: C00053 DC-bus voltage		Data type: UNSIGNED_16 Index: 24522 _d = 5FCA _h
Display of the current DC-bus voltage		
Display range (min. value unit max. value)		
0	V	1000
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00054

Parameter Name: C00054 Motor current		Data type: UNSIGNED_16 Index: 24521 _d =
Display of the current motor current/output current of the inverter		
Display range (min. value unit max. value)		
0.00	A	300.00
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

C00056

Parameter Name: C00056 Torque		Data type: INTEGER_32 Index: 24519 _d = 5FC7 _h
Display of the current torque		
Display range (min. value unit max. value)		
-320.00	Nm	320.00
Subcodes		Info
C00056/1		Torque demand • Only in case of sensorless vector control (SLVC).
C00056/2		Actual torque value • Estimated actual torque for all motor control modes.
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00057

Parameter Name: C00057 Maximum torque		Data type: UNSIGNED_32 Index: 24518 _d = 5FC6 _h
Display of the maximum torque to be generated by the motor • The maximum torque to be generated by the motor depends on various factors, e.g. on I _{max} in motor mode (C00022) and the motor type used.		
Display range (min. value unit max. value)		
0.00	Nm	320.00
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00058

Parameter Name: C00058 Output frequency		Data type: INTEGER_32 Index: 24517 _d = 5FC5 _h
Display of the current output frequency		
Display range (min. value unit max. value)		
-655.0	Hz	655.0
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00059

Parameter Name: C00059 Appl.: Reference frequency C11		Data type: UNSIGNED_32 Index: 24516 _d = 5FC4 _h
Display of the field frequency which corresponds to the reference speed set in C00011 .		
Display range (min. value unit max. value)		
0.0	Hz	999.9
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00061

Parameter Name: C00061 Heatsink temperature		Data type: INTEGER_16 Index: 24514 _d = 5FC2 _h
Display of the current heatsink temperature		
Display range (min. value unit max. value)		
-50	°C	150
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

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C00064

Parameter Name: C00064 Device utilisation (lxt)		Data type: INTEGER_16 Index: 24511 _d = 5FBF _h
Display of the device utilisation lxt in different time resolutions <ul style="list-style-type: none"> If the value displayed here exceeds the threshold set in C00123, the fault message "OC5: Device overload (lxt)" is output and the fault response set in C00604 is executed (default setting: "Warning"). 		
Display range (min. value unit max. value)		
0	%	250
Subcodes		Info
C00064/1	Device utilisation (lxt) <ul style="list-style-type: none"> Maximum value of the pulse utilisation (C00064/2) and permanent utilisation (C00064/3). 	
C00064/2	Device utilisation (lxt) 15s <ul style="list-style-type: none"> Pulse utilisation over the last 15 seconds (only for loads >160 %). 	
C00064/3	Device utilisation (lxt) 3 min <ul style="list-style-type: none"> Permanent utilisation over the last 3 minutes. 	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00066

Parameter Name: C00066 Thermal motor load (l²xt)		Data type: INTEGER_16 Index: 24509 _d = 5FBD _h
Display of the thermal motor load, sensorlessly determined using a motor model <ul style="list-style-type: none"> If the value displayed here exceeds "100.00 %", the error message "OC6: Thermal motor overload (l²xt)" is output and the fault response set in C00606 is executed (default setting: "Warning"). <p style="text-align: right;">▶ Motor overload monitoring (l²xt)</p>		
Display range (min. value unit max. value)		
0	%	200
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00070

Parameter Name: C00070 Vp speed controller		Data type: UNSIGNED_16 Index: 24505 _d =
From version 03.00.00 Gain factor Vp of the speed controller for different motor control types		
Setting range (min. value unit max. value)		
0.00		600.00
Subcodes	Factory setting	Info
C00070/1	10.00	SLVC : Vp speed controller <ul style="list-style-type: none"> From version 06.01.00
C00070/2	0.00	Reserved
C00070/3	3.00	SLPSM : Vp speed controller
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

C00071

Parameter Name: C00071 Ti speed controller		Data type: UNSIGNED_16 Index: 24504 _d =	
From version 03.00.00 Reset time Ti of the speed controller for different motor control types			
Setting range (min. value unit max. value)			
0.0	ms	6000.0	
Subcodes	Factory setting	Info	
C00071/1	218.0 ms	SLVC : Ti speed controller • From version 06.01.00	
C00071/2	0.0 ms	Reserved	
C00071/3	100.0 ms	SLPSM : Ti speed controller	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10			

C00073

Parameter Name: C00073 VP I_{max} / torque controller		Data type: UNSIGNED_16 Index: 24502 _d =	
Amplification factor Vp for I _{max} controller			
Setting range (min. value unit max. value)		Factory setting	
0.00		16.00	0.25
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00074

Parameter Name: C00074 Ti I_{max} / torque controller		Data type: UNSIGNED_16 Index: 24501 _d =	
Reset time Ti for I _{max} controller			
Setting range (min. value unit max. value)		Factory setting	
12	ms	9990	65 ms
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1			

C00075

Parameter Name: C00075 Vp current controller		Data type: UNSIGNED_16 Index: 24500 _d =	
From version 03.00.00 Gain factor Vp of the current controller for certain inverter functions (parameter identification, flying restart circuit) • After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Setting range (min. value unit max. value)		Factory setting	
0.00	V/A	500.00	7.00 V/A
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00076

Parameter Name: C00076 Ti current controller		Data type: UNSIGNED_16 Index: 24499 _d =	
From version 03.00.00 Reset time Ti of the current controller for certain inverter functions (parameter identification, flying restart circuit) • After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Setting range (min. value unit max. value)		Factory setting	
0.00	ms	500.00	10.61 ms
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00079

Parameter Name: C00079 SC: Settings		Data type: UNSIGNED_8 Index: 24496 _d = 5FB0 _h	
From version 04.00.00 Configuration of different options for sensorless control for synchronous motors (SLPSM)			
Selection list			
0	Off		
1	On		
Subcodes	Factory setting	Info	
C00079/1	0: Off	Reserved	
C00079/2	0: Off	Reserved	
C00079/3	0: Off	Reserved	
C00079/4	1: On	Field weakening for synchronous motors	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1			

C00081

Parameter Name: C00081 Rated motor power		Data type: UNSIGNED_16 Index: 24494 _d =	
This value can be obtained from the motor nameplate. After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Note: It is mandatory to give the rated motor power for the sensorless vector control (SLVC).			
Setting range (min. value unit max. value)		Factory setting	
0.00	kW	99.00	11.00 kW
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00084

Parameter Name: C00084 Motor stator resistance		Data type: UNSIGNED_32 Index: 24491 _d =	
After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically. An automatic detection via the motor parameter identification is possible as well.			
Setting range (min. value unit max. value)		Factory setting	
0	mohm	200000	330 mohm
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1			

Parameter reference

C00085

Parameter Name: C00085 Motor stator leakage inductance			Data type: UNSIGNED_16 Index: 24490 _d = 5FAAh
After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically. An automatic detection via the motor parameter identification is possible as well.			
Setting range (min. value unit max. value)			Factory setting
0.00	mH	650.00	0.00 mH
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00087

Parameter Name: C00087 Rated motor speed			Data type: UNSIGNED_16 Index: 24488 _d =
This value can be obtained from the motor nameplate. After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Note: It is mandatory to give the rated motor speed for the sensorless vector control (SLVC).			
Setting range (min. value unit max. value)			Factory setting
50	rpm	18000	1460 rpm
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00088

Parameter Name: C00088 Rated motor current			Data type: UNSIGNED_16 Index: 24487 _d =
This value can be obtained from the motor nameplate. After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Setting range (min. value unit max. value)			Factory setting
0.00	A	99.00	21.00 A
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00089

Parameter Name: C00089 Rated motor frequency			Data type: UNSIGNED_16 Index: 24486 _d =
This value can be obtained from the motor nameplate. After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Note: It is mandatory to give the rated motor frequency for the sensorless vector control (SLVC).			
Setting range (min. value unit max. value)			Factory setting
10	Hz	1000	50 Hz
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00090

Parameter Name: C00090 Rated motor voltage			Data type: UNSIGNED_16 Index: 24485 _d =
This value can be obtained from the motor nameplate. After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Setting range (min. value unit max. value)			Factory setting
0	V	1000	400 V
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1			

C00091

Parameter Name: C00091 Motor cosine phi		Data type: UNSIGNED_8 Index: 24484 _d = 5FA4 _h	
This value can be obtained from the motor nameplate. After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically.			
Setting range (min. value unit max. value)		Factory setting	
0.20		1.00	0.85
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00092

Parameter Name: C00092 Motor magnetising inductance		Data type: UNSIGNED_16 Index: 24483 _d =	
After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically. An automatic detection via the motor parameter identification is possible as well.			
Setting range (min. value unit max. value)		Factory setting	
0.0	mH	6500.0	0.0 mH
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10			

C00093

Parameter Name: C00093 Power section identification		Data type: UNSIGNED_16 Index: 24482 _d =	
Display of the identification of the detected power section of the inverter			
Display range (min. value unit max. value)			
0		65535	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00094

Parameter Name: C00094 Password		Data type: INTEGER_32 Index: 24481 _d = 5FA1 _h	
No function in case of CDN			
Setting range (min. value unit max. value)		Factory setting	
0		9999	0
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00095

Parameter Name: C00095 Motor magnetising current		Data type: UNSIGNED_16 Index: 24480 _d =	
After the motor to be used has been selected from the motor catalogue, the suitable value can be entered automatically. An automatic detection via the motor parameter identification is possible as well.			
Display range (min. value unit max. value)			
0.00	A	99.00	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

Parameter reference

C00097

Parameter Name: C00097 Rated motor torque		Data type: UNSIGNED_32 Index: 24478 _d =
Display of the rated motor torque <ul style="list-style-type: none"> The value displayed here is calculated from different parameters, e.g. the maximum current set in C00022. 		
Display range (min. value unit max. value)		
0.00	Nm	99.00
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00098

Parameter Name: C00098 Device rated current		Data type: UNSIGNED_16 Index: 24477 _d = 5F9B _h
Display of the rated inverter current which is defined by the integrated power section.		
Display range (min. value unit max. value)		
0.0	A	999.0
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10		

C00099

Parameter Name: C00099 Firmware version		Data type: VISIBLE_STRING Index: 24476 _d =
Display of the firmware version of the device as string		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 12		

C00100

Parameter Name: C00100 Firmware version		Data type: UNSIGNED_8 Index: 24475 _d = 5F9B _h
Display of the firmware version of the device, divided into subsections.		
Display range (min. value unit max. value)		
0		99
Subcodes		Info
C00100/1		Firmware version - main version
C00100/2		Firmware version - subversion
C00100/3		Firmware version - release
C00100/4		Firmware version - build
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00105

Parameter Name: C00105 Decel. time - quick stop		Data type: UNSIGNED_32 Index: 24470 _d =
The set deceleration time determines the ramp slope at quick stop <ul style="list-style-type: none"> When the output frequency falls below the threshold set in C00019, the DC injection brake DCB is activated. 		
Note: The S-ramp time set in C00182 is also active with quick stop! In order to reach the required deceleration time for quick stop, set the time accordingly lower in this parameter.		
Setting range (min. value unit max. value)		Factory setting
0.0	s	999.9 5.0 s
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00106

Parameter Name: C00106 Auto DCB: Hold time		Data type: UNSIGNED_32 Index: 24469 _d =
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Hold time of the automatic DC injection brake • The DC injection brake is applied for the time set here if the value falls below the speed setpoint set in C00019 . ▶ DC-injection braking			
Setting range (min. value unit max. value)			Factory setting
0.0	s	999.0	0.5 s
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000			

C00107

Parameter Name: C00107 DCB: Hold time	Data type: UNSIGNED_32 Index: 24468 _d =		
Maximum hold time of the manual DC injection brake • A time can be set here after which the DC injection brake is switched off automatically to prevent the motor from thermal overload. • With the "999.0 s" setting, the hold time is infinite. ▶ DC-injection braking			
Setting range (min. value unit max. value)			Factory setting
0.0	s	999.0	999.0 s
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000			

Parameter reference

C00114

Parameter Name: C00114 Dlx inversion		Data type: UNSIGNED_16 Index: 24461 _d = 5F8D _h
The polarity of each digital input of the device can be inverted via this bit field. ▶ Digital terminals		
Setting range (min. hex value max. hex value)		Factory setting
0x0000		0xFFFF
0x8000 (decimal: 32768)		
Value is bit-coded: (<input checked="" type="checkbox"/> = bit set)		Info
Bit 0 <input type="checkbox"/>	DI1 inverted	Inversion of digital input 1
Bit 1 <input type="checkbox"/>	DI2 inverted	Inversion of digital input 2
Bit 2 <input type="checkbox"/>	DI3 inverted	Inversion of digital input 3
Bit 3 <input type="checkbox"/>	DI4 inverted	Inversion of digital input 4
Bit 4 <input type="checkbox"/>	DI5 inverted	Inversion of digital input 5
Bit 5 <input type="checkbox"/>	DI6 inverted	Inversion of digital input 6
Bit 6 <input type="checkbox"/>	DI7 inverted	Inversion of digital input 7
Bit 7 <input type="checkbox"/>	DI8 inverted	Inversion of digital input 8
Bit 8 <input type="checkbox"/>	Reserved	
Bit 9 <input type="checkbox"/>	Reserved	
Bit 10 <input type="checkbox"/>	Reserved	
Bit 11 <input type="checkbox"/>	Reserved	
Bit 12 <input type="checkbox"/>	Reserved	
Bit 13 <input type="checkbox"/>	Reserved	
Bit 14 <input type="checkbox"/>	Reserved	
Bit 15 <input checked="" type="checkbox"/>	RFR inverted	Inversion of digital input RFR (controller enable)
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00115

Parameter Name: C00115 DI1 DI2: Function		Data type: UNSIGNED_8 Index: 24460 _d = 5F8C _h
From version 02.00.00 Function assignment of the digital terminals DI1 and DI2 ▶ Digital terminals: Function assignment		
Selection list		Info
0	DI1=In1 DI2=In2	DI1 = digital input DI2 =
1	DI1=FreqIn12 DI2=In2	DI1 = 1-track frequency input DI2 = digital input
2	(DI1/DI2)=FreqIn12 (2-track)	DI1 and DI2 = 2-track frequency input
3	(DI1/DI2=+-)=FreqIn12	DI1 = 1-track frequency input DI2 = specification
Subcodes	Factory setting	Info
C00115/1	0: DI1=In1 DI2=In2	Function assignment of DI1 and DI2
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00118

Parameter Name: C00118 DOx inversion / energy		Data type: UNSIGNED_8 Index: 24457 _d = 5F89 _h
The polarity of each digital output of the device can be inverted via this bit field.		
Setting range (min. hex value max. hex value)		Factory setting
0x00	0xFF	0x00 (decimal: 0)
Value is bit-coded: (<input checked="" type="checkbox"/> = bit set)		Info
Bit 0 <input type="checkbox"/>	Relay inverted	Relay inversion
Bit 1 <input type="checkbox"/>	DO1 inverted	Inversion of digital output 1
Bit 2 <input type="checkbox"/>	Reserved	
Bit 3 <input type="checkbox"/>	Reserved	
Bit 4 <input type="checkbox"/>	Energy: relay decoupling value	
Bit 5 <input type="checkbox"/>	Energy: decoupling value DO1	
Bit 6 <input type="checkbox"/>	Reserved	
Bit 7 <input type="checkbox"/>	Reserved	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00120

Parameter Name: C00120 Setting of motor overload (I²xt; C0088/C0098)		Data type: INTEGER_16 Index: 24455 _d = 5F87 _h
The CDN drives are provided with a simple, sensorless, thermal I ² xt motor monitoring of self-ventilated standard motors which is based on a mathematical model. <ul style="list-style-type: none"> • For setting notes, see chapter "Motor overload monitoring (I²xt)". • The response for triggering the monitoring can be selected in C00606. • The current thermal motor load is displayed in C00066. 		
Setting range (min. value unit max. value)		Factory setting
0	%	250 100 %
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00122

Parameter Name: C00122 Initial value motor overload (I²xt)		Data type: UNSIGNED_16 Index: 24453 _d =
From version 04.01.00 The thermal motor load displayed in C00066 is pre-initialised with the value set here when the device is connected to the mains. <ul style="list-style-type: none"> • If "100.00 %" is set, the last value at switching off the device is used for the initialisation. • Recommended setting for operation according to UL: 30.00 % <p style="text-align: right;">▶ Motor overload monitoring (I²xt)</p>		
Setting range (min. value unit max. value)		
0.00	%	100.00
Subcodes	Factory setting	Info
C00122/1	30.00 %	Initial value motor overload (I ² xt) Up to version 06.xx.xx Factory setting: 0.00 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

C00123

Parameter Name: C00123 Device utilisation threshold (Ixt)			Data type: INTEGER_16 Index: 24452 _d = 5F84 _h
Operating threshold for the "OC5: Device overload (Ixt)" error message <ul style="list-style-type: none"> The response for reaching the threshold can be selected in C00604. The current device utilisation is displayed in C00064. 			
Setting range (min. value unit max. value)			Factory setting
0	%	200	100 %
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00124

Parameter Name: C00124 Current monitoring: Breaking current			Data type: UNSIGNED_16 Index: 24451 _d =
From version 07.00.00			▶ Current monitoring overload
Setting range (min. value unit max. value)			Factory setting
0	%	200	
Subcodes	Factory setting	Info	
C00124/1	200 %	Current monitoring: Breaking current overload	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00129

Parameter Name: C00129 Brake resistance value – Not valid for Emotron CDN			Data type: UNSIGNED_16 Index: 24446 _d =
Resistance value of the connected brake resistor <ul style="list-style-type: none"> The value to be entered can be obtained from the nameplate of the brake resistor. ▶ Settings for internal brake resistor E84DZEWxxxx			
Setting range (min. value unit max. value)			Factory setting
0.0	Ohm	500.0	220.0 Ohms
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10			

C00130

Parameter Name: C00130 Rated power - brake resistor – Not valid for Emotron CDN			Data type: UNSIGNED_16 Index: 24445 _d = 5F7D _h
Rated power of the connected brake resistor <ul style="list-style-type: none"> The value to be entered can be obtained from the nameplate of the brake resistor. ▶ Settings for internal brake resistor			
Setting range (min. value unit max. value)			Factory setting
0	W	65535	15 W
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

Parameter reference

Parameter list | C373

C00131

Parameter Name: C00131 Thermal capacity - brake resistor – Not valid for Emotron CDN			Data type: UNSIGNED_16 Index: 24444 _d =
Thermal capacity of the connected brake resistor <ul style="list-style-type: none"> The value to be entered can be obtained from the technical data of the brake resistor. ▶ Settings for internal brake resistor 			
Setting range (min. value unit max. value)			Factory setting
0.0	kWs	6553.5	0.6 kWs
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10			

C00133

Parameter Name: C00133 Brake resistor utilization – Not valid for Emotron CDN			Data type: UNSIGNED_16 Index: 24442 _g =
Display of the utilisation of the connected brake resistor			
Display range (min. value unit max. value)			
0	%	65535	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00134

Parameter Name: C00134 Ramp rounding main setpoint			Data type: UNSIGNED_8 Index: 24441 _d = 5F79 _h
The L_NSet_1 FB: Configuration of the ramp rounding for the main setpoint			
Selection list (Factory setting printed in bold)			Info
0	Off		Ramp rounding deactivated
1	PT1 behaviour		Ramp rounding with PT1 behaviour <ul style="list-style-type: none"> The corresponding S-ramp time must be set in C00182.
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

Parameter reference

C00136

Parameter Name: C00136 Communication control words		Data type: UNSIGNED_16 Index: 24439 _d =
		▶ Communication
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	SwitchOn	
Bit 1	IMP	
Bit 2	SetQuickStop	
Bit 3	EnableOperation	
Bit 4	reserved	
Bit 5	reserved	
Bit 6	reserved	
Bit 7	ResetFault	
Bit 8	SetHalt	
Bit 9	reserved_1	
Bit 10	reserved_2	
Bit 11	FactorySpecific_1	
Bit 12	FactorySpecific_2	
Bit 13	FactorySpecific_3	
Bit 14	SetFail	
Bit 15	FactorySpecific_4	
Subcodes		Info
C00136/1		Network MCI/CAN control word
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00137

Parameter Name: C00137 Device status		Data type: UNSIGNED_16 Index: 24438 _d =
Display of the current device status		
Selection list (read only)		
0	reserved	
1	Init	
2	MotorIdent	
3	ReadyToSwitchON	
4	SwitchedON	
5	OperationEnable	
6	reserved	
7	Trouble	
8	Fault	
9	reserved	
10	SafeTorqueOff	
11	reserved	
12	reserved	
13	reserved	
14	reserved	
15	reserved	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00141

Parameter Name: C00141 Device settings		Data type: UNSIGNED_8 Index: 24434 _d = 5F72 _h
Selection list		
0	Inactive	
1	Active	
Subcodes	Factory setting	Info
C00141/1	0: Inactive	<p>Always save parameters</p> <ul style="list-style-type: none"> When this function is activated, every parameter change is saved in the memory module. A manual saving of parameter sets is not required anymore. <p>Note: Activating this function is not permissible if parameters are changed very frequently (e.g. in case of cyclic writing of parameters via a bus system).</p>
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00142

Parameter Name: C00142 Auto-start option		Data type: UNSIGNED_8 Index: 24433 _d = 5F71 _h
Starting performance of the inverter after mains connection and reset of "Trouble" or "Fault". ▶ Auto-start option "inhibit at power-on"		
Setting range (min. hex value max. hex value)		Factory setting
0x00	0xFF	0x01 (decimal: 1)
Value is bit-coded: (<input checked="" type="checkbox"/> = bit set)		
Bit 0 <input checked="" type="checkbox"/>	Inhibit at mains ON	
Bit 1 <input type="checkbox"/>	Inhibit at trouble	
Bit 2 <input type="checkbox"/>	Inhibit at fault	
Bit 3 <input type="checkbox"/>	Reserved	
Bit 4 <input type="checkbox"/>	Reserved	
Bit 5 <input type="checkbox"/>	Reserved	
Bit 6 <input type="checkbox"/>	Reserved	
Bit 7 <input type="checkbox"/>	Reserved	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

Parameter list | C41

C00143

Parameter Name: C00143 Selection of special functions		Data type: UNSIGNED_16 Index: 24432 _d =
From version 04.01.00		
Setting range (min. hex value max. hex value)		Factory setting
0x0000		0xFFFF
0x0000 (decimal: 0)		
Value is bit-coded: (<input checked="" type="checkbox"/> = bit set)		Info
Bit 0 <input type="checkbox"/>	Brightness of the green LED	Bit 1 Bit 0: Brightness of the green LED <ul style="list-style-type: none"> • 0 0 ≡ Maximum brightness • 0 1 ≡ Reduced brightness - stage 1 • 1 0 ≡ Reduced brightness - stage 2 • 1 1 ≡ Minimum brightness Use this function if the green light is too bright or disturbing for your application. <ul style="list-style-type: none"> • The green LED cannot be switched off completely in order that the supply of the device with 400 V remains visibly displayed from the outside. • The setting only affects the green LED, not the red LED (fault indication).
Bit 1 <input type="checkbox"/>	Brightness of the green LED	
Bit 2 <input type="checkbox"/>	Saving of external encoder pulses	From version 09.00.00 onwards For the LS Convert 1 FB , output signal 1 (output of encoder pulses), C01354/1 = 19 serves to also save the counted pulses of the HTL encoder non-volatily when the mains is switched off.
Bit 3 <input type="checkbox"/>	Reserved	
Bit 4 <input type="checkbox"/>	Reserved	
Bit 5 <input type="checkbox"/>	Reserved	
Bit 6 <input type="checkbox"/>	Reserved	
Bit 7 <input type="checkbox"/>	Reserved	
Bit 8 <input type="checkbox"/>	No IMP before DCB	From version 05.00.00 If the bit is set and the auto DCB threshold ≤ 5 Hz, the DC- injection braking is activated immediately if the values fall below the threshold (without any waiting time). <ul style="list-style-type: none"> ▶ Automatic DC-injection braking (auto DCB)
Bit 9 <input type="checkbox"/>	Reserved	
Bit 10 <input type="checkbox"/>	Reserved	
Bit 11 <input type="checkbox"/>	Reserved	
Bit 12 <input type="checkbox"/>	bRemoteControlActive for Diag	From version 09.01.00 onwards If the bit is set, an access to the inverter is output via the diagnostic interface by means of »Emotron Easy Starter«, »Emotron Easy Starter« or keypad to the LA_NCtrl: bRemoteControlActive. <ul style="list-style-type: none"> • LA_NCtrl:bRemoteControlActive ist "1": Write access. • LA_NCtrl:bRemoteControlActive ist "0": No communication (program is offline or keypad is removed).
Bit 13 <input type="checkbox"/>	TorqueLim active at Qsp	
Bit 14 <input type="checkbox"/>	Customer variant	
Bit 15 <input type="checkbox"/>	SLVC optimisation	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

C00144

Parameter Name: C00144 Switching frequency reduction (temp.)		Data type: UNSIGNED_8 Index: 24431 _d = 5F6F _h
Activation of the automatic switching frequency reduction if the temperature is too high		
Selection list (Factory setting printed in bold)		Info
0	Off	Automatic switching frequency reduction deactivated
1	On	Automatic switching frequency reduction activated
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00150

Parameter Name: C00150 Status word		Data type: UNSIGNED_16 Index: 24425 _d =
Bit coded device status word		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	FreeStatusBit0	Free status bit 0
Bit 1	PowerDisabled	Power switched off
Bit 2	FreeStatusBit2	Free status bit 2
Bit 3	FreeStatusBit3	Free status bit 3
Bit 4	FreeStatusBit4	Free status bit 4
Bit 5	FreeStatusBit5	Free status bit 5
Bit 6	ActSpeedIsZero	Current speed is 0
Bit 7	ControllerInhibit	Controller is inhibited
Bit 8	StatusCodeBit0	Status code bit 0
Bit 9	StatusCodeBit1	Status code bit 1
Bit 10	StatusCodeBit2	Status code bit 2
Bit 11	StatusCodeBit3	Status code bit 3
Bit 12	Warning	Warning
Bit 13	Trouble	Fault
Bit 14	FreeStatusBit14	Free status bit 14
Bit 15	FreeStatusBit15	Free status bit 15
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

Parameter list | C00155

C00155

Parameter Name: C00155 Status word 2		Data type: UNSIGNED_16 Index: 24420 _d =
Bit coded device status word 2		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	Fail	Error
Bit 1	M_max	Maximum torque
Bit 2	I_max	Maximum current
Bit 3	PowerDisabled	Power switched off
Bit 4	Ready	Controller is ready for operation
Bit 5	ControllerInhibit	Controller is inhibited
Bit 6	Trouble	Fault
Bit 7	InitState	Initialisation
Bit 8	CwCcw	CW/CCW rotation
Bit 9	reserved	
Bit 10	SafeTorqueOff	Safe torque off
Bit 11	reserved	
Bit 12	reserved	
Bit 13	reserved	
Bit 14	quick stop	Quick stop active
Bit 15	MotorIdent	Motor parameter identification is active
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

C00158

Parameter Name: C00158 Cause of controller inhibit		Data type: UNSIGNED_16 Index: 24417 _d =
Bit coded display of the cause/source of the controller inhibit		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	Terminal controller enable	
Bit 1	Reserved	
Bit 2	DriveControl Network MCI/CAN	
Bit 3	SwitchOn	
Bit 4	Application	
Bit 5	Device command	
Bit 6	Error response	
Bit 7	Reserved	
Bit 8	Reserved	
Bit 9	Energy saving mode	
Bit 10	AutoStartLock	
Bit 11	Motor parameter identification	
Bit 12	Automatic brake operation	
Bit 13	DCB-IMP	
Bit 14	Reserved	
Bit 15	Reserved	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

Parameter list | C45

C00159

Parameter Name: C00159 Cause of quick stop QSP		Data type: UNSIGNED_16 Index: 24416 _d =
Bit coded display of the cause/source of the quick stop		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	Terminal	
Bit 1	Reserved	
Bit 2	DriveControl Network MCI/CAN	
Bit 3	Reserved	
Bit 4	Application	
Bit 5	Device command	
Bit 6	Reserved	
Bit 7	Reserved	
Bit 8	Reserved	
Bit 9	Energy saving mode	
Bit 10	Reserved	
Bit 11	Reserved	
Bit 12	Reserved	
Bit 13	Reserved	
Bit 14	Reserved	
Bit 15	Reserved	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00160

Parameter Name: C00160 Status determining error		Data type: UNSIGNED_16 Index: 24415 _d =
Display range (min. value unit max. value)		
0		65535
Subcodes		Info
C00160/1		Status determining error (16-bit)
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00161

Parameter Name: C00161 Status determining error		Data type: UNSIGNED_32 Index: 24414 _d =
Display range (min. value unit max. value)		
0		4294967295
Subcodes		Info
C00161/1		Status determining error (32-bit)
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00165

Parameter Name: C00165 Error information		Data type: VISIBLE_STRING Index: 24410 _d = 5F5A _h
Display of the error number divided into sectors in the event of an error		
Subcodes		Info
C00165/1		Status determining error (String)
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 14		

C00166

Parameter Name: C00166 Error information text		Data type: VISIBLE_STRING Index: 24409 _d = 5F59 _h
Display of details of the currently pending error		
Subcodes		Info
C00166/1		Resp. to status det. error • Response of the currently pending error
C00166/2		Subj. area status det. error • Subject area of the currently pending error
C00166/3		Message status det. error • Textual message of the currently pending error
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 40		

C00167

Parameter Name: C00167 Logbook data		Data type: OCTET_STRING Index: 24408 _d = 5F58 _h
This code is for device-internal use only and must not be written to by the user!		

C00168

Parameter Name: C00168 Error number		Data type: UNSIGNED_32 Index: 24407 _d =
Display range (min. value unit max. value)		
0		4294967295
Subcodes		Info
C00168/1		Display of the internal error number for the last 8 occurred errors
C00168/...		
C00168/8		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C00169

C00169

Parameter Name: C00169 Time of error		Data type: UNSIGNED_32 Index: 24406 _d =
Display range (min. value unit max. value)		
0		4294967295
Subcodes		Info
C00169/1	Display of the time of error for the last 8 occurred errors	
C00169/...		
C00169/8		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00170

Parameter Name: C00170 Error counter		Data type: UNSIGNED_8 Index: 24405 _d = 5F55 _h
Display range (min. value unit max. value)		
0		255
Subcodes		Info
C00170/1	Display of the error counter for the last 8 occurred errors	
C00170/...		
C00170/8		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00171

Parameter Name: C00171 Logbook access index		Data type: UNSIGNED_8 Index: 24404 _d = 5F54 _h
This code is for device-internal use only and must not be written to by the user!		

C00173

Parameter Name: C00173 Mains voltage		Data type: UNSIGNED_8 Index: 24402 _d = 5F52 _h
Selection of the mains voltage for operating the device.		
Selection list (Factory setting printed in bold)		
<input type="checkbox"/>	0	3ph 400V
<input type="checkbox"/>	1	3ph 440V
<input type="checkbox"/>	2	3ph 480V
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input checked="" type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00174

Parameter Name: C00174 Reduc. brake chopper threshold – Not valid for Emotron CDN		Data type: UNSIGNED_8 Index: 24401 _d = 5F51 _h
Note: In case of the CDN, this parameter optimises the brake behaviour when C00175 = 2 or 4 (recommended setting: 50 V). In case of a different setting in C00175 , this parameter has no effect.		
Setting range (min. value unit max. value)		Factory setting
0	V	150 0 V
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00175

Parameter Name: C00175 Brake energy management: Selection of the braking procedure – Not valid for Emotron CDN		Data type: UNSIGNED_8 Index: 24400 _d = 5F50 _h
Selection of the braking procedure <p style="text-align: right;">▶ Select response if the brake resistor is controlled</p>		
Selection list (Factory setting printed in bold)		Info
0	Brake resistor	<ul style="list-style-type: none"> The brake resistor is used. The external brake resistor is triggered via a hardware circuit. The DC-bus voltage has no influence on the brake ramp.
2	Brake resistor and stop of the ramp function generator	The brake resistor and the "Ramp function generator stop" signal are used. When the brake chopper threshold is exceeded, the ramp function generator is stopped.
4	Brake resistor and motor brake and ramp stop	<p>From version 02.00.00</p> The brake resistor as well as the "Ramp function generator stop" signal and the "Inverter motor brake" function are used.
6	Brake resistor and motor	<p>From version 02.00.00</p> The brake resistor is used. The braking energy is degraded by overmagnetising the motor by the percentage value set in C00984 .
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input checked="" type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00177

Parameter Name: C00177 Switching cycles		Data type: UNSIGNED_32 Index: 24398 _d =
Counter of different switching cycles and stressful situations		
Display range (min. value unit max. value)		
0		2147483647
Subcodes		Info
C00177/1		Number of mains switching cycles
C00177/2		Number of switching cycles of the output relay
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00178

Parameter Name: C00178 Elapsed-hour meter		Data type: UNSIGNED_32 Index: 24397 _d = 5F4D _h
Display of operating hours in seconds		
Display range (min. value unit max. value)		
0	s	2147483647
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00179

Parameter Name: C00179 Power-on time meter		Data type: UNSIGNED_32 Index: 24396 _d =
Display of the power-on time in seconds		
Display range (min. value unit max. value)		
0	s	2147483647
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C495

C00181

Parameter Name: C00181 Time settings		Data type: UNSIGNED_16 Index: 24394 _d =
From version 04.00.00 Time for device search function (optical location)		
▶ Device search function		
Setting range (min. value unit max. value)		
0	s	6000
Subcodes	Factory setting	Info
C00181/1	5 s	Time - device search function
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00182

Parameter Name: C00182 S-ramp time PT1		Data type: INTEGER_16 Index: 24393 _d = 5F49 _h
FB L_NSet 1 : PT1 S-ramp time for the main setpoint ramp function generator • Only effective with activated ramp rounding (C00134 = "1").		
Setting range (min. value unit max. value)		Factory setting
0.01	s	50.00
		20.00 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00199

Parameter Name: C00199 Device name		Data type: VISIBLE_STRING Index: 24376 _d = 5F38 _h
From version 04.00.00 Parameters for storing decription data for the inverter		
▶ Device identification		
Subcodes	Factory setting	Info
C00199/1	0	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 32		

C00200

Parameter Name: C00200 Firmware product type		Data type: VISIBLE_STRING Index: 24375 _d = 5F37 _h
Display of the firmware product type		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 19		

C00201

Parameter Name: C00201 Firmware compile date		Data type: VISIBLE_STRING Index: 24374 _d = 5F36 _h
Display of the firmware compilation date		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 22		

Parameter reference

C00203

Parameter Name: C00203 Product type code		Data type: VISIBLE_STRING Index: 24372 _d = 5F34 _h
Display of the types of the individual device components		
Subcodes	Info	
C00203/1	Type: Control card	
C00203/2	Type: Power section	
C00203/3	Type: Comm. module	
C00203/4	Reserved	
C00203/5	Type: Memory module	
C00203/6	Type: Safety module	
C00203/7	Reserved	
C00203/8	Type: Complete device	
C00203/9	Reserved	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 24		

C00204

Parameter Name: C00204 Serial number		Data type: VISIBLE_STRING Index: 24371 _d = 5F33 _h
Display of the serial numbers of the individual device components		
Subcodes	Info	
C00204/1	Serial no.: Control card	
C00204/2	Serial no.: Power section	
C00204/3	Serial no.: MCI module	
C00204/4	Reserved	
C00204/5	Reserved	
C00204/6	Reserved	
C00204/7	Serial no.: Standard device	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 24		

C00210

Parameter Name: C00210 HW version		Data type: VISIBLE_STRING Index: 24365 _d = 5F2D _h
From version 06.01.00 Display of the hardware versions of the single device components		
Subcodes	Info	
C00210/1	HW version: Control card	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC-STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Character length: 5		

C00222

Parameter Name: C00222 L_PCTRL_1: Vp		Data type: INTEGER_16 Index: 24353 _d = 5F21 _h
The <u>L_PCTRL_1</u> FB: Gain factor Vp for the PID process controller		
Setting range (min. value unit max. value)	Factory setting	
0.1	500.0	1.0
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10		

C00223

Parameter Name: C00223 L_PCTRL_1: Tn		Data type: UNSIGNED_16 Index: 24352 _d =	
The L_PCTRL_1 FB: Reset time Tn for the PID process controller			
Setting range (min. value unit max. value)		Factory setting	
20	ms	6000	400 ms
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00224

Parameter Name: C00224 L_PCTRL_1: Kd		Data type: UNSIGNED_16 Index: 24351 _d =	
The L_PCTRL_1 FB: Derivative-action coefficient Kd for the PID process controller			
Setting range (min. value unit max. value)		Factory setting	
0.0		5.0	0.0
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10			

C00225

Parameter Name: C00225 L_PCTRL_1: MaxLimit		Data type: INTEGER_16 Index: 24350 _d = 5F1E _h	
The L_PCTRL_1 FB: Maximum output value of the PID process controller			
Setting range (min. value unit max. value)		Factory setting	
-199.9	%	199.9	199.9 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00226

Parameter Name: C00226 L_PCTRL_1: MinLimit		Data type: INTEGER_16 Index: 24349 _d = 5F1D _h	
The L_PCTRL_1 FB: Minimum output value of the PID process controller			
Setting range (min. value unit max. value)		Factory setting	
-199.9	%	199.9	-199.9 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00227

Parameter Name: C00227 L_PCTRL_1: Acceleration time		Data type: UNSIGNED_32 Index: 24348 _d =	
The L_PCTRL_1 FB: Acceleration time for the output value of the PID process controller			
Setting range (min. value unit max. value)		Factory setting	
0.0	s	999.9	0.1 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000			

Parameter reference

C00228

Parameter Name: C00228 L_PCTRL_1: Deceleration time		Data type: UNSIGNED_32 Index: 24347 _d =
The L_PCTRL_1 FB: Deceleration time for the output value of the PID process controller		
Setting range (min. value unit max. value)		Factory setting
0.0	s	999.9 0.1 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00231

Parameter Name: C00231 L_PCTRL_1: Operating range		Data type: INTEGER_16 Index: 24344 _d = 5F18 _h
The L_PCTRL_1 FB: Operating range for the PID process controller		
Setting range (min. value unit max. value)		Factory setting
0.0	%	199.9
Subcodes	Factory setting	Info
C00231/1	199.9 %	L_PCTRL_1 : Pos.Maximum
C00231/2	0.0 %	L_PCTRL_1 : Pos.Minimum
C00231/3	0.0 %	L_PCTRL_1 : Neg.Minimum
C00231/4	199.9 %	L_PCTRL_1 : Neg.Maximum
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00233

Parameter Name: C00233 L_PCTRL_1: Root function		Data type: UNSIGNED_8 Index: 24342 _d = 5F16 _h
From version 04.00.00		
The L_PCTRL_1 FB: Use of the root function at the actual value input		
Selection list (Factory setting printed in bold)		Info
0	Off	Root function inactive <ul style="list-style-type: none"> The actual value $nAct_a$ remains unchanged for further processing
1	On	Root function active <ul style="list-style-type: none"> The root is extracted of the actual value $nAct_a$ for further processing
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00234

Parameter Name: C00234 Oscillation damping influence		Data type: UNSIGNED_16 Index: 24341 _d =
▶ Oscillation damping		
Setting range (min. value unit max. value)		Factory setting
0	%	250 5 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

Parameter list | C535

C00235

Parameter Name: C00235 Oscillation damping filter time			Data type: UNSIGNED_8 Index: 24340 _d = 5F14 _h
			▶ Oscillation damping
Setting range (min. value unit max. value)		Factory setting	
2	ms	250	50 ms
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00239

Parameter Name: C00239 Limitation of lower speed			Data type: INTEGER_16 Index: 24336 _d = 5F10 _h
From version 04.01.00			
Here, a minimum lower setpoint speed can be set if, for example, the setpoint for pumps and fans should not fall below a certain value. This prevents, e.g. a volume flow to be fallen below the minimum threshold.			
<ul style="list-style-type: none"> Compared to the setting "Min. analog setpoint" (C00010/1), this setting is scaled in [rpm] and is thus independent of the reference speed set in C00011. This parameter can be used if old projects are migrated to the CDN. In the Factory setting "-9999 rpm", no limitation is active. 			
Note:			
<ul style="list-style-type: none"> Stopping commands such as DC-injection braking, quick stop and RFG_0 are executed independently of this setting. Switch them off if you want to activate this setting. The maximum current controller can reduce the output frequency to below the minimum speed set here. 			
Setting range (min. value unit max. value)		Factory setting	
-18000	rpm	18000	-9999 rpm
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00241

Parameter Name: C00241 L_NSet_1: Hyst. NSet reached			Data type: INTEGER_16 Index: 24334 _d = 5F0E _h
From version 04.00.00			
Hysteresis window for setting the "speed setpoint reached" status			
<ul style="list-style-type: none"> Related digital signal in selection list: "62: LA_NCtrl_bSpeedSetReached" The reset hysteresis is permanently 0.5 %. 			
Setting range (min. value unit max. value)		Factory setting	
0.00	%	100.00	0.50 %
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

Parameter reference

C00242

Parameter Name: C00242 L_PCTRL_1: Operating mode		Data type: UNSIGNED_8 Index: 24333 _d = 5F0D _h
The L_PCTRL_1 FB: Selection of the operating mode		
<ul style="list-style-type: none"> Depending on the selection, the blue switches in the displayed signal flow are set accordingly in the Emotron Easy Starter on the Application parameter tab in the <i>Overview</i> → <i>Signal flow</i> → <i>Process controller</i> dialog 		
Selection list (Factory setting printed in bold)		Info
0	Off	The input setpoint <i>nNSet_a</i> is output without any changes at the output <i>nOut_a</i> .
1	nNSet + nNSet_PID	<i>nNSet_a</i> and <i>nAct_a</i> are used as PID input values. The arriving <i>nNSet_a</i> is additively linked to the value output by the PID element.
2	nSet_PID	<i>nSet_a</i> and <i>nAct_a</i> are used as PID input values. The input <i>nNSet_a</i> is not considered.
3	nNSet_PID	<i>nNSet_a</i> and <i>nAct_a</i> are used as PID input values. The input <i>nSet_a</i> is not considered.
4	nNSet + nSet_PID	From version 04.00.00 <i>nSet_a</i> and <i>nAct_a</i> are used as PID input values. The arriving <i>nNSet_a</i> setpoint is additively linked to the value output by the PID element.
5	nNSet nSet_PID	From version 04.00.00 <i>nSet_a</i> and <i>nAct_a</i> are used as PID input values. The setpoint <i>nNSet_a</i> is output at the output <i>nOut_a</i> . The PID output value is output at the output <i>nPIDOut_a</i> .
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00243

Parameter Name: C00243 L_PCTRL_1: Acceleration time influence		Data type: UNSIGNED_32 Index: 24332 _d =
The L_PCTRL_1 FB: Acceleration time for showing the PID output value		
Setting range (min. value unit max. value)		Factory setting
0.0	s	999.9 5.0 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00244

Parameter Name: C00244 L_PCTRL_1: Deceleration time influence		Data type: UNSIGNED_32 Index: 24331 _d =
The L_PCTRL_1 FB: Deceleration time for masking out the PID output value		
Setting range (min. value unit max. value)		Factory setting
0.0	s	999.9 5.0 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00245

Parameter Name: C00245 L_PCTRL_1: PID output value		Data type: INTEGER_16 Index: 24330 _d = 5F0A _h
The L_PCTRL_1 FB: Display of the output value of the PID process controller		
Display range (min. value unit max. value)		
-199.9	%	199.9
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

Parameter list | C00246

C00246

Parameter Name: C00246 L_PCTRL_1: nAct_a internal		Data type: INTEGER_16 Index: 24329 _d = 5F09 _h
From version 04.00.00 FB L_PCTRL_1 : Display of the internal actual value		
Display range (min. value unit max. value)		
-199.9	%	199.9
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00273

Parameter Name: C00273 Moment of inertia		Data type: UNSIGNED_16 Index: 24302 _d =
From version 03.00.00 Moment of inertia for setpoint feedforward control with sensorless vector control (SLVC)		
Setting range (min. value unit max. value)		Factory setting
0.0	kg cm ²	6000.0 0.0 kg cm²
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10		

C00276

Parameter Name: C00276 SC: Max. output voltage		Data type: UNSIGNED_8 Index: 24299 _d = 5EEB _h
From version 04.00.00		
Setting range (min. value unit max. value)		Factory setting
80	%	99 95 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00290

Parameter Name: C00290 Module type		Data type: UNSIGNED_16 Index: 24285 _d = 5EDD _h
This code is for device-internal use only and must not be written to by the user!		

C00291

Parameter Name: C00291 Module software compatibility value		Data type: UNSIGNED_16 Index: 24284 _d = 5EDC _h
This code is for device-internal use only and must not be written to by the user!		

C00292

Parameter Name: C00292 Drive internal communication status		Data type: UNSIGNED_8 Index: 24283 _d = 5EDB _h
This code is for device-internal use only and must not be written to by the user!		

C00293

Parameter Name: C00293 Module internal communication status		Data type: UNSIGNED_8 Index: 24282 _d = 5EDA _h
This code is for device-internal use only and must not be written to by the user!		

Parameter reference

C00294

Parameter Name: C00294 Module reported fault	Data type: UNSIGNED_32 Index: 24281 _d = 5ED9 _h
This code is for device-internal use only and must not be written to by the user!	

C00295

Parameter Name: C00295 Internal bus counter	Data type: UNSIGNED_16 Index: 24280 _d = 5ED8 _h
This code is for device-internal use only and must not be written to by the user!	

C00296

Parameter Name: C00296 Module info	Data type: UNSIGNED_16 Index: 24279 _d = 5ED7 _h
This code is for device-internal use only and must not be written to by the user!	

C00304

Parameter Name: C00304 Password1	Data type: UNSIGNED_32 Index: 24271 _d =
This code is for device-internal use only and must not be written to by the user!	

C00305

Parameter Name: C00305 Password2	Data type: UNSIGNED_32 Index: 24270 _d =
This code is for device-internal use only and must not be written to by the user!	

C00306

Parameter Name: C00306 Debug address	Data type: UNSIGNED_32 Index: 24269 _d = 5ECD _h
This code is for device-internal use only and must not be written to by the user!	

C00307

Parameter Name: C00307 Debug value	Data type: UNSIGNED_16 Index: 24268 _d =
This code is for device-internal use only and must not be written to by the user!	

C00371

Parameter Name: C00371 CAN ErrorCode	Data type: UNSIGNED_16 Index: 24204 _d =
From version 05.00.00	
Display range (min. value unit max. value)	
0	65535
Subcodes	Info
C00371/1	CAN ErrorCode
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input checked="" type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1	

Parameter reference

Parameter list | C00420

C00420

Parameter Name: C00420 Number of encoder increments		Data type: UNSIGNED_16 Index: 24155 _d =
From version 02.00.00 Indication of the encoder constant		▶ Encoder/feedback system
Setting range (min. value unit max. value)		
1	Incr./rev.	32768
Subcodes	Factory setting	Info
C00420/1	128 incr./rev.	Encoder increments at FreqIn12
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00425

Parameter Name: C00425 Encoder scanning time		Data type: UNSIGNED_8 Index: 24150 _d = 5E56 _h
From version 02.00.00 Encoder sample time for the digital input terminals when configured as frequency inputs		▶ Using DI1 and DI2 as frequency inputs
Selection list		
0	1 ms	
1	2 ms	
2	5 ms	
3	10 ms	
4	20 ms	
5	50 ms	
6	100 ms	
7	200 ms	
8	500 ms	
9	1000 ms	
Subcodes	Factory setting	Info
C00425/1	3: 10 ms	Encoder sample time FreqIn12
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00443

Parameter Name: C00443 Dlx: Level		Data type: UNSIGNED_16 Index: 24132 _d =
Bit coded display of the level of the digital inputs ▶ Digital terminals		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	DI1	Bit set = HIGH level
Bit 1	DI2	
Bit 2	DI3	
Bit 3	DI4	
Bit 4	DI5	
Bit 5	DI6	
Bit 6	DI7	
Bit 7	DI8	
Bit 8	Reserved	
Bit 9	Reserved	
Bit 10	Reserved	
Bit 11	Reserved	
Bit 12	Reserved	
Bit 13	Reserved	
Bit 14	Reserved	
Bit 15	CINH	
Subcodes		Info
C00443/1		Dlx: Terminal level
C00443/2		Dlx: Output level
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

Parameter list | C00444

C00444

Parameter Name: C00444 DOx: Level		Data type: UNSIGNED_16 Index: 24131 _d =
Bit coded display of the level of the digital outputs		
▶ Digital terminals		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	Relay	Bit set = HIGH level
Bit 1	DO1	
Bit 2	Reserved	
Bit 3	Reserved	
Bit 4	Reserved	
Bit 5	Reserved	
Bit 6	Reserved	
Bit 7	Reserved	
Bit 8	Reserved	
Bit 9	Reserved	
Bit 10	Reserved	
Bit 11	Reserved	
Bit 12	Reserved	
Bit 13	Reserved	
Bit 14	Reserved	
Bit 15	Reserved	
Subcodes		Info
C00444/1		DOx: Input level
C00444/2		DOx: Terminal level
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00445

Parameter Name: C00445 FreqInxx_nOut_v		Data type: INTEGER_16 Index: 24130 _d = 5E42 _h
From version 02.00.00		
Display of the frequency input signals which are fed into the application.		
▶ Using DI1 and DI2 as frequency inputs		
Display range (min. value unit max. value)		
-32767	Incr/ms	32767
Subcodes		Info
C00445/1		FreqIn12_nOut_v
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00446

Parameter Name: C00446 FreqInxx_nOut_a		Data type: INTEGER_16 Index: 24129 _d = 5E41 _h
From version 02.00.00 Display of the frequency input signals which are fed into the application. ▶ Using DI1 and DI2 as frequency inputs		
Display range (min. value unit max. value)		
-199.9	%	199.9
Subcodes		Info
C00446/1		FreqIn12_nOut_a
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00460

Parameter Name: C00460 Remote: Local keyswitch		Data type: UNSIGNED_8 Index: 24115 _d = 5E33 _h
This code is for device-internal use only and must not be written to by the user!		

C00461

Parameter Name: C00461 Remote: Acceleration/deceleration time		Data type: UNSIGNED_32 Index: 24114 _d =
From version 04.00.00 Acceleration/deceleration time for PC manual control and Control via Field Package ("key-operated switch operation")		
Setting range (min. value unit max. value)		
0.0	s	999.9
Subcodes		Info
C00461/1		Remote: Acceleration/deceleration time
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00462

Parameter Name: C00462 Keypad/PC: Setpoint control		Data type: UNSIGNED_16 Index: 24113 _d =
This code is for device-internal use only and must not be written to by the user!		

C00463

Parameter Name: C00463 Keypad: – Not valid for Emotron CDN		Data type: INTEGER_32 Index: 24112 _d = 5E30 _h
Setting range (min. value unit max. value)		
0.000		16000.000
Subcodes		Info
C00463/1	729.001	Keypad: Parameter for speed setpoint
C00463/2	56.002	Keypad: Parameter for display bar
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

Parameter reference

Parameter list | C616

C00466

Parameter Name: C00466 Keypad: Default parameter – Not valid for Emotron CDN		Data type: INTEGER_32 Index: 24109 _d = 5E2D _h
Setting of the default parameter for the keypad		
Setting range (min. value unit max. value)		Factory setting
0		65535 51
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00467

Parameter Name: C00467 Keypad: Default welcome screen – Not valid for Emotron CDN		Data type: INTEGER_32 Index: 24108 _d = 5E2C _h
Selection of the welcome screen for the keypad		
Selection list (Factory setting printed in bold)		
0	Main menu	
1	Parameter list	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00469

Parameter Name: C00469 Keypad: Fct. STOP key – Not valid for Emotron CDN		Data type: INTEGER_32 Index: 24106 _d = 5E2A _h
Selection of the function for the STOP key on the keypad		
Selection list (Factory setting printed in bold)		Info
0	No function	STOP key does not have any function
1	Inhibit inverter	STOP key sets controller inhibit in the drive
2	Activate quick stop	STOP key sets quick stop in the drive
4	Inhibit controller and reset errors	From version 05.00.00 STOP key sets controller inhibit in the drive. An error reset is carried out at the same time.
5	Activate quick stop and reset errors	From version 05.00.00 STOP key sets quick stop in the drive. An error reset is carried out at the same time. From version 16.00.00 From version 16.00.00
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00470

Parameter Name: C00470 LS_ParFree_b		Data type: UNSIGNED_8 Index: 24105 _d = 5E29 _h
The <u>LS_ParFree_b</u> SB: Setting of the signal level to be output		
Selection list		
0	False	
1	True	
Subcodes	Factory setting	Info
C00470/1	0: FALSE	Signal level for output <i>bPar1</i> ... <i>bPar16</i>
C00470/...		
C00470/16		
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00471

Parameter Name: C00471 LS_ParFree		Data type: UNSIGNED_16 Index: 24104 _d = 5E28 _h
The LS ParFree SB: Setting of the words to be output		
Setting range (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	Active	
...	...	
Bit 15	Active	
Subcodes	Factory setting	Info
C00471/1	0x0000	Values for output <i>wPar1</i> ... <i>wPar4</i>
C00471/...		
C00471/4		
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00472

Parameter Name: C00472 LS_ParFree_a		Data type: INTEGER_16 Index: 24103 _d = 5E27 _h
The LS ParFree a SB: Setting of the analog signals to be output		
Setting range (min. value unit max. value)		
-199.9	%	199.9
Subcodes	Factory setting	Info
C00472/1	0.0 %	Value for output <i>nPar1_a</i>
C00472/2	0.0 %	Value for output <i>nPar2_a</i>
C00472/3	100.0 %	Value for output <i>nPar3_a</i>
C00472/4	100.0 %	Value for output <i>nPar4_a</i>
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00480

Parameter Name: C00480 LS_DisFree_b		Data type: UNSIGNED_8 Index: 24095 _d = 5E1F _h
The LS DisFree b SB: Display of the input values		
Display area (min. hex value max. hex value)		
0x00		0xFF
Value is bit-coded:		
Bit 0	bDis1	
...	...	
Bit 7	bDis8	
Info Signal level input <i>bDis1</i> ... <i>bDis8</i>		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

Parameter list | C00488

C00481

Parameter Name: C00481 LS_DisFree		Data type: UNSIGNED_16 Index: 24094 _d = 5E1E _h
The LS_DisFree SB: Display of the input values		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	Bit0	
...	...	
Bit 15	Bit15	
Subcodes		Info
C00481/1		Input values <i>wDis1</i> ... <i>wDis4</i>
C00481/...		
C00481/4		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00482

Parameter Name: C00482 LS_DisFree_a		Data type: INTEGER_16 Index: 24093 _d = 5E1D _h
The LS_DisFree_a SB: Display of the input values		
Display range (min. value unit max. value)		
-199.9	%	199.9
Subcodes		Info
C00482/1		Input values <i>nDis1_a</i> ... <i>nDis4_a</i>
C00482/...		
C00482/4		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

C00488

Parameter Name: C00488 L_JogCtrlExtension_1: EdgeDetect		Data type: UNSIGNED_8 Index: 24087 _d = 5E17 _h
From version 05.00.00		
The L_JogCtrlExtension_1 FB: Signal methodology		
<ul style="list-style-type: none"> Selection whether the corresponding function is to be activated by edge or level. 		
Selection list		
0	Level	
1	Edge	
Subcodes	Factory setting	Info
C00488/1	0: Level	L_JogCtrlExtension_1 : InputSens.SlowDown1 <ul style="list-style-type: none"> Selection of edge or level for starting slow-down function 1
C00488/2	0: Level	L_JogCtrlExtension_1 : InputSens.Stop1 <ul style="list-style-type: none"> Selection of edge or level for stop function 1
C00488/3	0: Level	L_JogCtrlExtension_1 : InputSens.SlowDown2 <ul style="list-style-type: none"> Selection of edge or level for starting slow-down function 2
C00488/4	0: Level	L_JogCtrlExtension_1 : InputSens.Stop2 <ul style="list-style-type: none"> Selection of edge or level for stop function 2
C00488/5	0: Level	L_JogCtrlExtension_1 : InputSens.SlowDown3 <ul style="list-style-type: none"> Selection of edge or level for starting slow-down function 3
C00488/6	0: Level	L_JogCtrlExtension_1 : InputSens.Stop3 <ul style="list-style-type: none"> Selection of edge or level for stop function 3
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00495

Parameter Name: C00495 Speed sensor selection		Data type: UNSIGNED_8 Index: 24080 _d = 5E10 _h
From version 02.00.00		
Selection of the feedback system for the actual speed for motor control and display		
▶ Encoder/feedback system		
Selection list (Factory setting printed in bold)		Info
0	No sensor	No sensor available for the actual speed detection
1	Sensor signal FreqIn12	Speed sensor signal is fed via the digital DI1 and DI2 inputs
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00496

Parameter Name: C00496 Encoder evaluation method		Data type: UNSIGNED_8 Index: 24079 _d = 5E0F _h
From version 02.00.00		
▶ Encoder/feedback system		
Selection list (Factory setting printed in bold)		Info
1	Low-resolution encoder	High-precision procedure for low-resolution encoders (<=128 increments)
3	Edge-counting procedure	Simple edge counting procedure with adjustable scanning time (C00425)
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input checked="" type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00497

Parameter Name: C00497 Nact filter time constant		Data type: UNSIGNED_16 Index: 24078 _d = 5E0E _h
From version 02.00.00		
Setting range (min. value unit max. value)		
0.0	ms	500.0
Subcodes	Factory setting	Info
C00497/1	1.0 ms	Encoder filter time FreqIn12
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10		

C00516

Parameter Name: C00516 Checksums	Data type: UNSIGNED_32 Index: 24059 _d = 5DFB _h
This code is for device-internal use only and must not be written to by the user!	

Parameter reference

C00517

Parameter Name: C00517 User menu		Data type: INTEGER_32 Index: 24058 _d = 5DFA _h
<p>When a system is installed, parameters must be changed time and again until the system runs satisfactorily. The user menu of a device serves to create a selection of frequently used parameters to be able to access and change these parameters quickly.</p> <ul style="list-style-type: none"> • Format: <code number>,<subcode number> • If "0.000" is set, no entry will be displayed in the user menu. 		
Setting range (min. value unit max. value)		
0.000		16000.000
Subcodes	Factory setting	Info
C00517/1	51.000	C00051 : Display of actual speed value
C00517/2	53.000	C00053 : Display of DC-bus voltage
C00517/3	54.000	C00054 : Display of motor current
C00517/4	61.000	C00061 : Display of heatsink temperature
C00517/5	137.000	C00137 : Display of device status
C00517/6	166.003	C00166/3 : Display of current error message
C00517/7	0.000	User menu: Entry 7
C00517/8	11.000	C00011 : Reference speed
C00517/9	39.001	C00039/1 : Fixed setpoint 1
C00517/10	39.002	C00039/2 : Fixed setpoint 2
C00517/11	12.000	C00012 : Accel. time - main setpoint
C00517/12	13.000	C00013 : Decel. time - main setpoint
C00517/13	15.000	C00015 : V/f base frequency
C00517/14	16.000	C00016 : Vmin boost
C00517/15	22.000	C00022 : I _{max} in motor mode
C00517/16	120.000	C00120 : Setting of motor overload (I ² ·xt)
C00517/17	87.000	C00087 : Rated motor speed
C00517/18	99.000	C00099 : Display of firmware version
C00517/19	200.000	C00200 : Display of firmware product type
C00517/20	0.000	User menu: Entry 20
C00517/21	0.000	User menu: Entry 21
C00517/22	0.000	User menu: Entry 22
C00517/23	0.000	User menu: Entry 23
C00517/24	105.000	C00105 : Decel. time - quick stop
C00517/25	173.000	C00173 : Mains voltage
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

Parameter reference

Parameter list | C674

C00563

Parameter Name: C00563 Current monitoring: Delay time		Data type: UNSIGNED_32 Index: 24012 _d = 5DCC _h
From version 07.00.00		
		▶ Current monitoring overload
Setting range (min. value unit max. value)		
0.0	s	999.9
Subcodes	Factory setting	Info
C00563/1	3.0 s	Current monitoring: Delay time overload
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00565

Parameter Name: C00565 Resp. to mains phase failure		Data type: UNSIGNED_8 Index: 24010 _d = 5DCA _h
Response to the failure of mains phases		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00567

Parameter Name: C00567 Resp. to speed controller limited		Data type: UNSIGNED_8 Index: 24008 _d = 5DC8 _h
From version 02.00.00		
Response if speed controller output is limited (<i>bLimSpeedCtrlOut</i> = TRUE)		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00572

Parameter Name: C00572 Brake resistor overload threshold – Not valid for Emotron CDN		Data type: UNSIGNED_8 Index: 24003 _d = 5DC3 _h
Adjustable threshold for monitoring the brake resistor utilisation		
<ul style="list-style-type: none"> The response for reaching the threshold can be selected in C00574. 		
Setting range (min. value unit max. value)		Factory setting
0	%	100
		100 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00574

Parameter Name: C00574 Resp. to brake resist. overtemp. – Not valid for Emotron CDN		Data type: UNSIGNED_8 Index: 24001 _d = 5DC1 _h
Response which is triggered if the threshold set in C00572 for monitoring brake resistor utilisation is reached.		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00579

Parameter Name: C00579 Resp. to speed monitoring		Data type: UNSIGNED_8 Index: 23996 _d = 5DBC _h
Response when the max. speed limit (C00909) or output frequency limit (C00910) has been reached.		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00581

Parameter Name: C00581 Resp. to LS_SetError_x		Data type: UNSIGNED_8 Index: 23994 _d = 5DBA _h
Selection of the error responses for application error messages • An application error message is tripped by a FALSE-TRUE edge at the binary inputs <i>bSetError1...2</i> .		
Selection list		
0	No Reaction	
1	Fault	
2	Trouble	
4	WarningLocked	
Subcodes	Factory setting	Info
C00581/1	1: Fault	LS_SetError_1 : Resp. to bSetError1
C00581/2	1: Fault	LS_SetError_1 : Resp. to bSetError2
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00582

Parameter Name: C00582 Resp. to heatsink temp. > shutdown temp. -5°C		Data type: UNSIGNED_8 Index: 23993 _d = 5DB9 _h
Response if the heatsink temperature has reached the switch-off temperature threshold.		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C694

C00584

Parameter Name: C00584 Resp. to current monitoring		Data type: UNSIGNED_8 Index: 23991 _d = 5DB7 _h
From version 07.00.00 Response in the event of current overload ▶ Current monitoring overload		
Selection list		Info
0	No Reaction	
1	Fault	
4	WarningLocked	
Subcodes	Factory setting	Info
C00584/1	0: No Reaction	Resp. to current monitoring overload
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00585

Parameter Name: C00585 Resp. to motor overtemp. PTC		Data type: UNSIGNED_8 Index: 23990 _d = 5DB6 _h
Response to motor overtemperature <ul style="list-style-type: none"> The motor temperature is measured by means of a PTC thermistor detector. 		
Selection list (Factory setting printed in bold)		Info
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00586

Parameter Name: C00586 Resp. to encoder open circuit		Data type: UNSIGNED_8 Index: 23989 _d = 5DB5 _h
From version 02.00.00 Response to encoder feedback system failure or encoder feedback system track failure due to open circuit		
Note: Despite the encoder error, monitoring is not activated if the setpoint is lower than or equals 40 Hz.		
Selection list (Factory setting printed in bold)		Info
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00592

Parameter Name: C00592 Resp. to CAN bus connection		Data type: UNSIGNED_8 Index: 23983 _d = 5DAF _h
Configuration of monitoring of the CAN interface (group 1) ▶ "CAN on board" system bus		
Selection list		
0	No Reaction	
1	Fault	
2	Trouble	
4	WarningLocked	
Subcodes	Factory setting	Info
C00592/1	0: No Reaction	Response to incorrect telegram for CAN
C00592/2	0: No Reaction	Response to "BusOff" (bus system switched off)
C00592/3	0: No Reaction	Response to warnings of the CAN controller
C00592/4	0: No Reaction	Response to communication stop of a CAN bus node
C00592/5	0: No Reaction	Response to an event in the case of monitoring via heartbeat protocol
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input checked="" type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00593

Parameter Name: C00593 Resp. to CAN_x_IN monitoring		Data type: UNSIGNED_8 Index: 23982 _d = 5DAE _h
Configuration of monitoring of the CAN interface (group 2) ▶ "CAN on board" system bus		
Selection list		
0	No Reaction	
1	Fault	
2	Trouble	
4	WarningLocked	
Subcodes	Factory setting	Info
C00593/1	0: No Reaction	Response if the monitoring time set in C00357/1 for the reception of the PDO CAN1_IN is exceeded.
C00593/2	0: No Reaction	Response if the monitoring time set in C00357/2 for the reception of the PDO CAN2_IN is exceeded.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input checked="" type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00594

Parameter Name: C00594 Resp. to control word error		Data type: UNSIGNED_8 Index: 23981 _d = 5DAD _h
Configuration of device control monitoring		
Selection list		
0	No Reaction	
1	Fault	
2	Trouble	
4	WarningLocked	
Subcodes	Factory setting	Info
C00594/1	0: No Reaction	Response if error bit 14 in the CAN control word is set.
C00594/2	1: Fault	Response if error bit 14 in the MCI control word is set.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00597

Parameter Name: C00597 Resp. to LP1 motor phase fault		Data type: UNSIGNED_8 Index: 23978 _d = 5DAA _h
Response to motor phase failure		
<ul style="list-style-type: none"> • Online testing includes the monitoring of the three motor phases during operation (motor rotates). • Static testing means testing before the holding brake is released. 		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00598

Parameter Name: C00598 Resp. to open circuit AINx		Data type: UNSIGNED_8 Index: 23977 _d = 5DA9 _h
Configuration of monitoring the analog input		
▶ Analog terminals		
Selection list		
0	No Reaction	
1	Fault	
2	Trouble	
4	WarningLocked	
Subcodes	Factory setting	Info
C00598/1	1: Fault	Response to open circuit at AIN1 if configured as 4 ... 20 mA current loop
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00600

Parameter Name: C00600 Resp. to DC bus undervoltage		Data type: UNSIGNED_8 Index: 23975 _d = 5DA7 _h
Configuration of monitoring of the motor control (group 3)		
Selection list		
1	Fault	
2	Trouble	
Subcodes	Factory setting	Info
C00600/1	2: Trouble	Response to DC bus undervoltage
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00601

Parameter Name: C00601 Del. resp.to fault: DC bus overvoltage		Data type: UNSIGNED_16 Index: 23974 _d = 5DA6 _h
Error response delay times		
Setting range (min. value unit max. value)		
0.00	s	65.00
Subcodes	Factory setting	Info
C00601/1	2.00 s	Delay time for triggering the "DC-bus overvoltage" error <ul style="list-style-type: none"> • If a DC-bus overvoltage occurs, an error will not be triggered until the set delay time has elapsed.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1000		

C00604

Parameter Name: C00604 Resp. to device overload (Ixt)		Data type: UNSIGNED_8 Index: 23971 _d = 5DA3 _h
Response if the adjustable device utilisation threshold (C00123) is reached. <ul style="list-style-type: none"> • The current device utilisation is displayed in C00064. 		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00606

Parameter Name: C00606 Resp. to motor overload (I²xt)		Data type: UNSIGNED_8 Index: 23969 _d = 5DA1 _h
Response when the motor load displayed in C00066 reaches the value "100.00 %". <p style="text-align: right;">▶ Motor overload monitoring (I2xt)</p>		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00607

Parameter Name: C00607 Resp. to max freq. feedb. DIG12		Data type: UNSIGNED_8 Index: 23968 _d = 5DA0 _h
From version 02.00.00 Response when the maximum input frequency has been reached via the digital inputs.		
Selection list (Factory setting printed in bold)		
0	No Reaction	
1	Fault	
4	WarningLocked	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00620

Parameter Name: C00620 16-bit system connection		Data type: UNSIGNED_16 Index: 23955 _d = 5D93 _h
Connection parameters: 16-bit inputs <ul style="list-style-type: none"> • Selection of the 16 bit output signals to be connected to the 16 bit input signals • The selection list contains all 16 bit output signals which can be assigned to the 16 bit inputs displayed by the subcodes. 		
Selection list		
See selection list - analog signals		
Subcodes	Factory setting	Info
C00620/1	0: Not connected	Reserved
C00620/2	0: Not connected	Reserved
C00620/3	0: Not connected	Reserved
C00620/4	0: Not connected	Reserved
C00620/5	0: Not connected	LS_DisFree : wDis1
C00620/6	0: Not connected	LS_DisFree : wDis2
C00620/7	0: Not connected	LS_DisFree : wDis3
C00620/8	0: Not connected	LS_DisFree : wDis4
C00620/9	0: Not connected	LS_DisFree_a : nDis1_a
C00620/10	0: Not connected	LS_DisFree_a : nDis2_a
C00620/11	0: Not connected	LS_DisFree_a : nDis3_a
C00620/12	0: Not connected	LS_DisFree_a : nDis4_a
C00620/13	0: Not connected	LS_Convert_1 : In1
C00620/14	0: Not connected	LS_Convert_1 : In2
C00620/15	0: Not connected	LS_Convert_2 : In1
C00620/16	0: Not connected	LS_Convert_2 : In2
C00620/17	0: Not connected	LS_Convert_3 : In1
C00620/18	0: Not connected	LS_Convert_3 : In2
C00620/19	0: Not connected	Reserved
C00620/20	0: Not connected	MCI_wState/CAN1_wState
C00620/21	0: Not connected	MCI_wOut2/CAN1_wOut2
C00620/22	0: Not connected	MCI_wOut3/CAN1_wOut3
C00620/23	0: Not connected	MCI_wOut4/CAN1_wOut4
C00620/24	0: Not connected	MCI_wOut5/CAN2_wOut1
C00620/25	0: Not connected	MCI_wOut6/CAN2_wOut2
C00620/26	0: Not connected	MCI_wOut7/CAN2_wOut3

Parameter reference

Parameter Name: C00620 16-bit system connection		Data type: UNSIGNED_16 Index: 23955 _d = 5D93 _h
C00620/27	0: Not connected	MCI_wOut8/CAN2_wOut4
C00620/28	0: Not connected	LA_NCtrl : nSpeedLowLimit_a
C00620/29	0: Not connected	LA_NCtrl : nSpeedHighLimit_a
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00621

Parameter Name: C00621 Bool system connection		Data type: UNSIGNED_16 Index: 23954 _d = 5D92 _h
Connection parameters: Binary inputs <ul style="list-style-type: none"> • Selection of the binary output signals to be connected to the binary input signals • The selection list contains all binary output signals which can be assigned to the binary inputs mapped by the subcodes. 		
Selection list		
See selection list - digital signals		
Subcodes	Factory setting	Info
C00621/1	50: LA_NCtrl: bDriveFail	LS_DigitalOutput : bRelay
C00621/2	51: LA_NCtrl: bDriveReady	LS_DigitalOutput : bOut1
C00621/3	0: Not connected	Reserved
C00621/4	0: Not connected	Reserved
C00621/5	0: Not connected	Reserved
C00621/6	0: Not connected	Reserved
C00621/7	0: Not connected	LA_NCtrl : bStatusBit0
C00621/8	65: LA_NCtrl: bImaxActive	LA_NCtrl : bStatusBit2
C00621/9	62: LA_NCtrl: bSpeedSetReached	LA_NCtrl : bStatusBit3
C00621/10	63: LA_NCtrl: bSpeedActEqSet	LA_NCtrl : bStatusBit4
C00621/11	64: LA_NCtrl: bNActCompare	LA_NCtrl : bStatusBit5
C00621/12	60: LA_NCtrl: bSpeedCcw	LA_NCtrl : bStatusBit14
C00621/13	51: LA_NCtrl: bDriveReady	LA_NCtrl : bStatusBit15
C00621/14	0: Not connected	Reserved
C00621/15	0: Not connected	Reserved
C00621/16	0: Not connected	LS_DisFree_b : bDis1
C00621/17	0: Not connected	LS_DisFree_b : bDis2
C00621/18	0: Not connected	LS_DisFree_b : bDis3
C00621/19	0: Not connected	LS_DisFree_b : bDis4
C00621/20	0: Not connected	LS_DisFree_b : bDis5
C00621/21	0: Not connected	LS_DisFree_b : bDis6
C00621/22	0: Not connected	LS_DisFree_b : bDis7
C00621/23	0: Not connected	LS_DisFree_b : bDis8
C00621/24	0: Not connected	Reserved
C00621/25	0: Not connected	Reserved
C00621/26	0: Not connected	Reserved
C00621/27	0: Not connected	Reserved
C00621/28	0: Not connected	Reserved

Parameter reference

Parameter list | C00621

Parameter Name: C00621 Bool system connection		Data type: UNSIGNED_16 Index: 23954 _d = 5D92 _h
C00621/29	0: Not connected	Reserved
C00621/30	0: Not connected	MCI_bState_B0/CAN1_bState_B0
C00621/31	0: Not connected	MCI_bState_B1/CAN1_bState_B1
C00621/32	0: Not connected	MCI_bState_B2/CAN1_bState_B2
C00621/33	0: Not connected	MCI_bState_B3/CAN1_bState_B3
C00621/34	0: Not connected	MCI_bState_B4/CAN1_bState_B4
C00621/35	0: Not connected	MCI_bState_B5/CAN1_bState_B5
C00621/36	0: Not connected	MCI_bState_B6/CAN1_bState_B6
C00621/37	0: Not connected	MCI_bState_B7/CAN1_bState_B7
C00621/38	0: Not connected	MCI_bState_B8/CAN1_bState_B8
C00621/39	0: Not connected	MCI_bState_B9/CAN1_bState_B9
C00621/40	0: Not connected	MCI_bState_B10/CAN1_bState_B10
C00621/41	0: Not connected	MCI_bState_B11/CAN1_bState_B11
C00621/42	0: Not connected	MCI_bState_B12/CAN1_bState_B12
C00621/43	0: Not connected	MCI_bState_B13/CAN1_bState_B13
C00621/44	0: Not connected	MCI_bState_B14/CAN1_bState_B14
C00621/45	0: Not connected	MCI_bState_B15/CAN1_bState_B15
C00621/46	0: Not connected	MCI_bOut2_B0/CAN1_bOut2_B0
C00621/47	0: Not connected	MCI_bOut2_B1/CAN1_bOut2_B1
C00621/48	0: Not connected	MCI_bOut2_B2/CAN1_bOut2_B2
C00621/49	0: Not connected	MCI_bOut2_B3/CAN1_bOut2_B3
C00621/50	0: Not connected	MCI_bOut2_B4/CAN1_bOut2_B4
C00621/51	0: Not connected	MCI_bOut2_B5/CAN1_bOut2_B5
C00621/52	0: Not connected	MCI_bOut2_B6/CAN1_bOut2_B6
C00621/53	0: Not connected	MCI_bOut2_B7/CAN1_bOut2_B7
C00621/54	0: Not connected	MCI_bOut2_B8/CAN1_bOut2_B8
C00621/55	0: Not connected	MCI_bOut2_B9/CAN1_bOut2_B9
C00621/56	0: Not connected	MCI_bOut2_B10/CAN1_bOut2_B10
C00621/57	0: Not connected	MCI_bOut2_B11/CAN1_bOut2_B11
C00621/58	0: Not connected	MCI_bOut2_B12/CAN1_bOut2_B12
C00621/59	0: Not connected	MCI_bOut2_B13/CAN1_bOut2_B13
C00621/60	0: Not connected	MCI_bOut2_B14/CAN1_bOut2_B14
C00621/61	0: Not connected	MCI_bOut2_B15/CAN1_bOut2_B15
C00621/62	0: Not connected	MCI_bOut5_B0/CAN2_bOut1_B0
C00621/63	0: Not connected	MCI_bOut5_B1/CAN2_bOut1_B1
C00621/64	0: Not connected	MCI_bOut5_B2/CAN2_bOut1_B2
C00621/65	0: Not connected	MCI_bOut5_B3/CAN2_bOut1_B3
C00621/66	0: Not connected	MCI_bOut5_B4/CAN2_bOut1_B4
C00621/67	0: Not connected	MCI_bOut5_B5/CAN2_bOut1_B5
C00621/68	0: Not connected	MCI_bOut5_B6/CAN2_bOut1_B6
C00621/69	0: Not connected	MCI_bOut5_B7/CAN2_bOut1_B7
C00621/70	0: Not connected	MCI_bOut5_B8/CAN2_bOut1_B8
C00621/71	0: Not connected	MCI_bOut5_B9/CAN2_bOut1_B9
C00621/72	0: Not connected	MCI_bOut5_B10/CAN2_bOut1_B10

Parameter reference

Parameter Name: C00621 Bool system connection		Data type: UNSIGNED_16 Index: 23954 _d = 5D92 _h
C00621/73	0: Not connected	MCI_bOut5_B11/CAN2_bOut1_B11
C00621/74	0: Not connected	MCI_bOut5_B12/CAN2_bOut1_B12
C00621/75	0: Not connected	MCI_bOut5_B13/CAN2_bOut1_B13
C00621/76	0: Not connected	MCI_bOut5_B14/CAN2_bOut1_B14
C00621/77	0: Not connected	MCI_bOut5_B15/CAN2_bOut1_B15
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00632

Parameter Name: C00632 L_NSet_1: Max.SkipFrq.		Data type: INTEGER_16 Index: 23943 _d = 5D87 _h
Maximum limit values for the speed blocking zones • Selection of the maximum limit values for the blocking zones in which the speed must not be constant.		
Setting range (min. value unit max. value)		
0.0	%	199.9
Subcodes	Factory setting	Info
C00632/1	0.0 %	L_NSet_1 : Blocking speed1 max
C00632/2	0.0 %	L_NSet_1 : Blocking speed2 max
C00632/3	0.0 %	L_NSet_1 : Blocking speed3 max
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00633

Parameter Name: C00633 L_NSet_1: Min.SkipFrq.		Data type: INTEGER_16 Index: 23942 _d = 5D86 _h
Minimum limit values for the speed blocking zones • Selection of the minimum limit values for the blocking zones in which the speed must not be constant.		
Setting range (min. value unit max. value)		
0.0	%	199.9
Subcodes	Factory setting	Info
C00633/1	0.0 %	L_NSet_1 : Blocking speed1 min
C00633/2	0.0 %	L_NSet_1 : Blocking speed2 min
C00633/3	0.0 %	L_NSet_1 : Blocking speed3 min
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00634

Parameter Name: C00634 L_NSet_1: wState		Data type: UNSIGNED_16 Index: 23941 _d = 5D85 _h
The L_NSet_1 FB: Bit coded status display		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	No blocking zone active	1 ≡ No blocking zone set for constant speeds
Bit 1	Blocking zone 1 active	1 ≡ Suppression of constant speed characteristics within the limits of blocking zone 1
Bit 2	Blocking zone 2 active	1 ≡ Suppression of constant speed characteristics within the limits of blocking zone 2
Bit 3	Blocking zone 3 active	1 ≡ Suppression of constant speed characteristics within the limits of blocking zone 3
Bit 4	Jog in blocking zone	1 ≡ A ramp is used to keep the speed setpoint within a speed blocking zone
Bit 5	MaxLimit active	1 ≡ Speed setpoint is at the maximum speed limit
Bit 6	MinLimit active	1 ≡ Speed setpoint is at the minimum speed limit
Bit 7	Reserved	
Bit 8	Reserved	
Bit 9	Reserved	
Bit 10	Reserved	
Bit 11	Reserved	
Bit 12	Reserved	
Bit 13	Reserved	
Bit 14	Reserved	
Bit 15	Reserved	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00680

Parameter Name: C00680 L_Compare_1: Fct.		Data type: UNSIGNED_8 Index: 23895 _d = 5D57 _h
The L_Compare_1 FB: Comparison operation		
<ul style="list-style-type: none"> If the statement of the selected comparison operation is true, the binary <i>bOut</i> output will be set to TRUE. 		
Selection list (Factory setting printed in bold)		
1	In1 = In2	
2	In1 > In2	
3	In1 < In2	
4	In1 = In2	
5	In1 > In2	
6	 In1 < In2 	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00681

Parameter Name: C00681 L_Compare_1: Hysteresis			Data type: INTEGER_16 Index: 23894 _d = 5D56 _h
The L_Compare_1 FB: Hysteresis for the comparison function selected in C00680			
Setting range (min. value unit max. value)			Factory setting
0.0	%	100.0	0.5 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00682

Parameter Name: C00682 L_Compare_1: Window			Data type: INTEGER_16 Index: 23893 _d = 5D55 _h
The L_Compare_1 FB: Window for the comparison function selected in C00680			
Setting range (min. value unit max. value)			Factory setting
0.0	%	100.0	2.0 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00700

Parameter Name: C00700 LA_NCtrl: Analog connection list			Data type: UNSIGNED_16 Index: 23875 _d = 5D43 _h
Selection list			
See selection list - analog signals			
Subcodes	Factory setting	Info	
C00700/1	10: LS_AnalogInput: nIn1_a	LA_NCtrl : nMainSetValue_a	
C00700/2	22: LS_ParFree_a: nC472_3_a	LA_NCtrl : nTorqueMotLim_a	
C00700/3	22: LS_ParFree_a: nC472_3_a	LA_NCtrl : nTorqueGenLim_a	
C00700/4	15: LS_Local: potentiometer P1 (continuous)	Key switch: max speed	
C00700/5	6: LS_ParFix: wDriveCtrl	LA_NCtrl : Network(MCI/CAN)_wDriveControl	
C00700/6	1: LS_ParFix: nPos100_a(100.0%)	LA_NCtrl : nPIDVpAdapt_a	
C00700/7	0: Not connected	LA_NCtrl : nPIDActValue_a	
C00700/8	1: LS_ParFix: nPos100_a(100.0%)	LA_NCtrl : nPIDInfluence_a	
C00700/9	0: Not connected	LA_NCtrl : nPIDSetValue_a	
C00700/10	0: Not connected	LA_NCtrl : nAuxSetValue_a	
C00700/11	0: Not connected	L_Counter_1 : wLdVal	
C00700/12	0: Not connected	L_Counter_1 : wCmpVal	
C00700/13	0: Not connected	L_Compare_1 : nIn1_a	
C00700/14	0: Not connected	L_Compare_1 : nIn2_a	
C00700/15	0: Not connected	LS_ParReadWrite_1 : wParIndex	
C00700/16	0: Not connected	LS_ParReadWrite_1 : wParSubindex	
C00700/17	0: Not connected	LS_ParReadWrite_1 : wInHWord	
C00700/18	0: Not connected	LS_ParReadWrite_1 : wInLWord	
C00700/19	0: Not connected	LA_NCtrl : nTorqueSetValue_a	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00701

Parameter Name: C00701 LA_NCtrl: Digital connection list		Data type: UNSIGNED_16 Index: 23874 _d = 5D42 _h
Selection list		
See selection list - digital signals		
Subcodes	Factory setting	Info
C00701/1	0: Not connected	LA_NCtrl : bClnh
C00701/2	10: LS_DigitalInput: bClnh	LA_NCtrl : bFailReset
C00701/3	0: Not connected	LA_NCtrl : bSetQuickstop
C00701/4	13: LS_DigitalInput: bIn3	LA_NCtrl : bSetDCBrake
C00701/5	14: LS_DigitalInput: bIn4	LA_NCtrl : bSetSpeedCcw
C00701/6	11: LS_DigitalInput: bIn1	LA_NCtrl : bJogSpeed1
C00701/7	12: LS_DigitalInput: bIn2	LA_NCtrl : bJogSpeed2
C00701/8	0: Not connected	LA_NCtrl : bMPotUp
C00701/9	0: Not connected	LA_NCtrl : bMPotDown
C00701/10	0: Not connected	LA_NCtrl : bMPotInAct
C00701/11	0: Not connected	LA_NCtrl : bMPotEnable
C00701/12	0: Not connected	LA_NCtrl : bRFG_0
C00701/13	0: Not connected	LA_NCtrl : bSetError1
C00701/14	0: Not connected	LA_NCtrl : bSetError2
C00701/15	1: LS_ParFix: bTrue	LA_NCtrl : bPIDInfluenceRamp
C00701/16	0: Not connected	LA_NCtrl : bPIDIOff
C00701/17	1: LS_ParFix: bTrue	LA_NCtrl : bRLQCw
C00701/18	0: Not connected	LA_NCtrl : bRLQCcw
C00701/19	15: LS_DigitalInput: bIn5	LA_NCtrl : bBrkRelease
C00701/20	0: Not connected	L_Counter_1 : bClkUp
C00701/21	0: Not connected	L_Counter_1 : bClkDown
C00701/22	0: Not connected	L_Counter_1 : bLoad
C00701/23	0: Not connected	L_DigitalDelay_1 : bIn
C00701/24	0: Not connected	L_DigitalDelay_2 : bIn
C00701/25	0: Not connected	LS_WriteParamList : bExecute
C00701/26	0: Not connected	LS_WriteParamList : bSelectWriteValue_1
C00701/27	0: Not connected	L_FreqIn12 : bEncCntReset
C00701/28	0: Not connected	L_DigitalLogic_1 : bIn1
C00701/29	0: Not connected	L_DigitalLogic_1 : bIn2
C00701/30	0: Not connected	L_DigitalLogic_2 : bIn1
C00701/31	0: Not connected	L_DigitalLogic_2 : bIn2
C00701/32	0: Not connected	LS_ParReadWrite_1 : bExecute
C00701/33	0: Not connected	LS_ParReadWrite_1 : bReadWrite
C00701/34	0: Not connected	LA_NCtrl : bPIDInAct
C00701/35	0: Not connected	LA_NCtrl : bPIDOff
C00701/36	0: Not connected	LA_NCtrl : bTorquemodeOn
C00701/37	0: Not connected	LA_NCtrl : bTi1
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00720

Parameter Name: C00720 L_DigitalDelay_1: Delay		Data type: UNSIGNED_32 Index: 23855 _d = 5D2F _h
Switch-on/off delay time		
Setting range (min. value unit max. value)		
0.0	s	3600.0
Subcodes	Factory setting	Info
C00720/1	0.0 s	L_DigitalDelay_1 : ON delay
C00720/2	0.0 s	L_DigitalDelay_1 : OFF delay
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00721

Parameter Name: C00721 L_DigitalDelay_2: Delay		Data type: UNSIGNED_32 Index: 23854 _d = 5D2E _h
Switch-on/off delay time		
Setting range (min. value unit max. value)		
0.0	s	3600.0
Subcodes	Factory setting	Info
C00721/1	0.0 s	L_DigitalDelay_2 : ON delay
C00721/2	0.0 s	L_DigitalDelay_2 : OFF delay
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00725

Parameter Name: C00725 Current switching frequency		Data type: UNSIGNED_8 Index: 23850 _d = 5D2A _h
Display of the current switching frequency		
<ul style="list-style-type: none"> When a variable switching frequency is selected in C00018, the switching frequency may change as a function of the load and rotational frequency. 		
Selection list (read only)		
0	2 kHz	
1	4 kHz	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00729

Parameter Name: C00729 Keypad/PC: Speed setpoint		Data type: INTEGER_16 Index: 23846 _d = 5D26 _h
This code is for device-internal use only and must not be written to by the user!		

C00761

Parameter Name: C00761 L_JogCtrlExtension_1: Digital connection list		Data type: UNSIGNED_16 Index: 23814 _d = 5D06 _h
From version 05.00.00 Connection parameters for FB L_JogCtrlExtension_1		
<ul style="list-style-type: none"> • Selection of the binary output signals to be connected to the binary input signals • The selection list contains all binary output signals which can be assigned to the binary inputs of the FB mapped by the subcodes. 		
Selection list		
See selection list - digital signals		
Subcodes	Factory setting	Info
C00761/1	0: Not connected	L_JogCtrlExtension_1 : bInputSel1
C00761/2	0: Not connected	L_JogCtrlExtension_1 : bInputSel2
C00761/3	0: Not connected	L_JogCtrlExtension_1 : bSlowDown1
C00761/4	0: Not connected	L_JogCtrlExtension_1 : bStop1
C00761/5	0: Not connected	L_JogCtrlExtension_1 : bSlowDown2
C00761/6	0: Not connected	L_JogCtrlExtension_1 : bIStop2
C00761/7	0: Not connected	L_JogCtrlExtension_1 : bSlowDown3
C00761/8	0: Not connected	L_JogCtrlExtension_1 : bStop3
C00761/9	0: Not connected	L_JogCtrlExtension_1 : bRfgIn
C00761/10	0: Not connected	L_JogCtrlExtension_1 : bJog1
C00761/11	0: Not connected	L_JogCtrlExtension_1 : bJog2
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00800

Parameter Name: C00800 L_MPot_1: Upper limit		Data type: INTEGER_16 Index: 23775 _d = 5CDF _h
The L_MPot_1 FB: Upper limit of the motor potentiometer function		
Setting range (min. value unit max. value)		Factory setting
-199.9	%	199.9 100.0 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00801

Parameter Name: C00801 L_MPot_1: Lower limit		Data type: INTEGER_16 Index: 23774 _d = 5CDE _h
The L_MPot_1 FB: Lower limit of the motor potentiometer function		
Setting range (min. value unit max. value)		Factory setting
-199.9	%	199.9 -100.0 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00802

Parameter Name: C00802 L_MPot_1: Acceleration time		Data type: UNSIGNED_16 Index: 23773 _d = 5CDD _h
The L_MPot_1 FB: Acceleration time of the motor potentiometer function		
Setting range (min. value unit max. value)		Factory setting
0.1	s	999.9 10.0 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10		

Parameter reference

C00803

Parameter Name: C00803 L_MPot_1: Deceleration time		Data type: UNSIGNED_16 Index: 23772 _d = 5CDC _n	
The L_MPot_1 FB: Deceleration time of the motor potentiometer function			
Setting range (min. value unit max. value)		Factory setting	
0.1	s	999.9	10.0 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10			

C00804

Parameter Name: C00804 L_MPot_1: Inactive fct.		Data type: UNSIGNED_8 Index: 23771 _d = 5CDB _n	
The L_MPot_1 FB: Selection of the response if the motor potentiometer is deactivated via input <i>blnAct</i>			
Selection list (Factory setting printed in bold)		Info	
0	Retain value	Keep output value	
1	Deceleration to 0	Deceleration via ramp to 0	
2	Deceleration to lower limit	Deceleration via ramp to the lower limit (C00801)	
3	Without ramp to 0	Step change to 0	
4	Without ramp to lower limit	Jump to lower limit (C00800)	
5	Acceleration to upper limit	Acceleration via ramp to upper limit (C00800)	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00805

Parameter Name: C00805 L_MPot_1: Init fct.		Data type: UNSIGNED_8 Index: 23770 _d = 5CDA _n	
The L_MPot_1 FB: Selection of the response at device switch-on			
Selection list (Factory setting printed in bold)			
0	Load last value		
1	Load lower limit		
2	Load 0		
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00806

Parameter Name: C00806 L_MPot_1: Use		Data type: UNSIGNED_8 Index: 23769 _d = 5CD9 _n	
The L_MPot_1 FB: Use of the motor potentiometer			
Selection list (Factory setting printed in bold)		Info	
0	No	The motor potentiometer is not used. • The analog value applied to the <i>nIn_a</i> input is looped through without any changes to the <i>nOut_a</i> output.	
1	Yes	The motor potentiometer is used. • The analog value applied at the <i>nIn_a</i> input is led via the motor potentiometer and provided at the <i>nOut_a</i> output.	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00820

Parameter Name: C00820 L_DigitalLogic_1: Function		Data type: UNSIGNED_8 Index: 23755 _d = 5CCB _h
From version 02.00.00 The L_DigitalLogic_1 FB: Selection of the internal logic function		
Selection list (Factory setting printed in bold)		Info
0	bOut = 0	Constant value "FALSE"
1	bOut = 1	Constant value "TRUE"
2	bOut = bln1 AND bln2	AND operation
3	bOut = bln1 OR bln2	OR operation
4	bOut = f (truth table)	The truth table parameterised in C00821 is used.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00821

Parameter Name: C00821 L_DigitalLogic_1: Truth table		Data type: UNSIGNED_8 Index: 23754 _d = 5CCA _h
From version 02.00.00 The L_DigitalLogic_1 FB: Parameterisation of the truth table		
Selection list		
0	False	
1	True	
Subcodes	Factory setting	Info
C00821/1	0: FALSE	bln1=0/bln2=0
C00821/2	0: FALSE	bln1=1/bln2=0
C00821/3	0: FALSE	bln1=0/bln2=1
C00821/4	0: FALSE	bln1=1/bln2=1
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00822

Parameter Name: C00822 L_DigitalLogic_2: Function		Data type: UNSIGNED_8 Index: 23753 _d = 5CC9 _h
From version 04.00.00 The L_DigitalLogic_2 FB: Selection of the internal logic function		
Selection list (Factory setting printed in bold)		Info
0	bOut = 0	Constant value "FALSE"
1	bOut = 1	Constant value "TRUE"
2	bOut = bln1 AND ... bln3	AND operation
3	bOut = bln1 OR ... bln3	OR operation
4	bOut = f (truth table)	The truth table parameterised in C00823 is used.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C00823

Parameter Name: C00823 L_DigitalLogic_2: Truth table		Data type: UNSIGNED_8 Index: 23752 _d = 5CC8 _h
From version 04.00.00 The L_DigitalLogic_2 FB: Parameterisation of the truth table		
Selection list		
0	False	
1	True	
Subcodes	Factory setting	Info
C00823/1	0: FALSE	bln1=0/bln2=0
C00823/2	0: FALSE	bln1=1/bln2=0
C00823/3	0: FALSE	bln1=0/bln2=1
C00823/4	0: FALSE	bln1=1/bln2=1
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00830

Parameter Name: C00830 16-bit analogue input		Data type: INTEGER_16 Index: 23745 _d = 5CC1 _h
Display in percent of 16-bit input values of different blocks		
Display range (min. value unit max. value)		
-199.9	%	199.9
Subcodes	Info	
C00830/1	L_NSet_1 : nNSet_a	
C00830/2	L_NSet_1 : nOut_a	
C00830/3	LS_MCTRL: nSpeedSetValue_a	
C00830/4	LS_MCTRL: nTorqueMotLimit_a	
C00830/5	LS_MCTRL: nTorqueGenLimit_a	
C00830/6	L_PCTRL_1 : nAct_a	
C00830/7	L_PCTRL_1 : nAdapt_a	
C00830/8	L_PCTRL_1 : nSet_a	
C00830/9	L_PCTRL_1 : nInflu_a	
C00830/10	L_PCTRL_1 : nNSet_a	
C00830/11	L_MPot_1 : nIn_a	
C00830/12	LA_NCtrl : nAuxSpdValue_a	
C00830/13	L_Compare_1 : nIn1_a	
C00830/14	L_Compare_1 : nIn2_a	
C00830/15	LA_NCtrl : nTorqueSetValue_a	
C00830/16	LA_NCtrl : nSpeedLowLimit_a	
C00830/17	LA_NCtrl : nSpeedHighLimit_a	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

Parameter list | C00823

C00831

Parameter Name: C00831 16-bit common input		Data type: UNSIGNED_16 Index: 23744 _d = 5C0 _h
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	Bit0	
...	...	
Bit 15	Bit15	
Subcodes		Info
C00831/1		LS_DCTRL: wCANControl
C00831/2		L_Counter_1 : wLdVal
C00831/3		L_Counter_1 : wCmpVal
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00833

Parameter Name: C00833 8-bit input		Data type: UNSIGNED_8 Index: 23742 _d = 5CBE _h
Display of the signal status of the binary inputs of different blocks		
Selection list		
0	False	
1	True	
Subcodes		Info
C00833/1		L_NSet_1 : bRfg0
C00833/2		L_NSet_1 : bNSetInv
C00833/3		L_NSet_1 : bJog1
C00833/4		L_NSet_1 : bJog2
C00833/5		LS_SetError_1 : bSetError1
C00833/6		LS_SetError_1 : bSetError2
C00833/7		L_MPot_1 : bUp
C00833/8		L_MPot_1 : bInAct
C00833/9		L_MPot_1 : bDown
C00833/10		L_MPot_1 : bEnable
C00833/11		L_PCTRL_1 : bInAct
C00833/12		L_PCTRL_1 : bOff
C00833/13		L_PCTRL_1 : bEnableInfluenceRamp
C00833/14		LS_DCTRL: bCINH
C00833/15		LS_DCTRL: bFailReset
C00833/16		LS_DCTRL: bStatus_B0
C00833/17		LS_DCTRL: bStatus_B2
C00833/18		LS_DCTRL: bStatus_B3
C00833/19		LS_DCTRL: bStatus_B4
C00833/20		LS_DCTRL: bStatus_B5
C00833/21		LS_DCTRL: bStatus_B14
C00833/22		LS_DCTRL: bStatus_B15
C00833/23		L_RLQ_1 : bCw
C00833/24		L_RLQ_1 : bCcw

Parameter reference

Parameter Name: C00833 8-bit input		Data type: UNSIGNED 8 Index: 23742 _d = 5CBE _h
C00833/25	MCK: bBrkRelease	
C00833/26	L Counter 1 : bClkUp	
C00833/27	L Counter 1 : bClkDown	
C00833/28	L Counter 1 : bLoad	
C00833/29	L DigitalDelay 1 : bIn	
C00833/30	L DigitalDelay 2 : bIn	
C00833/31	LS WriteParamList : bExecute	
C00833/32	LS WriteParamList : bSelectWriteValue	
C00833/33	L DigitalLogic 1 : bIn1	
C00833/34	L DigitalLogic 1 : bIn2	
C00833/35	L NSet 1 : bSetQuickStop	
C00833/36	L DigitalLogic 2 : bIn1	
C00833/37	L DigitalLogic 2 : bIn2	
C00833/38	LS ParReadWrite 1 : bExecute	
C00833/39	LS ParReadWrite 1 : bReadWrite	
C00833/40	L FreqIn12 : bEncCntReset	
C00833/41	L PCTRL 1 : bPIDOff	
C00833/42	L JogCtrlExtension 1 : bInputSel1	
C00833/43	L JogCtrlExtension 1 : bInputSel2	
C00833/44	L JogCtrlExtension 1 : bSlowDown1	
C00833/45	L JogCtrlExtension 1 : bStop1	
C00833/46	L JogCtrlExtension 1 : bSlowDown2	
C00833/47	L JogCtrlExtension 1 : bStop2	
C00833/48	L JogCtrlExtension 1 : bSlowDown3	
C00833/49	L JogCtrlExtension 1 : bStop3	
C00833/50	L JogCtrlExtension 1 : bRfgIn	
C00833/51	L JogCtrlExtension 1 : bJog1	
C00833/52	L JogCtrlExtension 1 : bJog2	
C00833/53	LA NCtrl : bTorquemodeOn	
C00833/54	LA NCtrl : bTi1	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00876

Parameter Name: C00876 Network MCI/CAN input words		Data type: UNSIGNED_16 Index: 23699 _d = 5C93 _h
Display of the 16-bit input values of the MCI/CAN interface		
Communication		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	Bit0	
...	...	
Bit 15	Bit15	
Subcodes		Info
C00876/1		MCI_wCtrl/CAN1_wCtrl
C00876/2		MCI_wIn2/CAN1_wIn2
C00876/3		MCI_wIn3/CAN1_wIn3
C00876/4		MCI_wIn4/CAN1_wIn4
C00876/5		MCI_wIn5/CAN2_wIn1
C00876/6		MCI_wIn6/CAN2_wIn2
C00876/7		MCI_wIn7/CAN2_wIn3
C00876/8		MCI_wIn8/CAN2_wIn4
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00877

Parameter Name: C00877 Network MCI/AN output words		Data type: UNSIGNED_16 Index: 23698 _d = 5C92 _h
Display of the 16-bit output values of the MCI/CAN interface		
Communication		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		
Bit 0	Bit0	
...	...	
Bit 15	Bit15	
Subcodes		Info
C00877/1		MCI_wState/CAN1_wState
C00877/2		MCI_wOut2/CAN1_wOut2
C00877/3		MCI_wOut3/CAN1_wOut3
C00877/4		MCI_wOut4/CAN1_wOut4
C00877/5		MCI_wOut5/CAN2_wOut1
C00877/6		MCI_wOut6/CAN2_wOut2
C00877/7		MCI_wOut7/CAN2_wOut3
C00877/8		MCI_wOut8/CAN2_wOut4
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

C00890

Parameter Name: C00890 LP_Network_InOut: Inversion		Data type: UNSIGNED_16 Index: 23685 _d = 5C85 _h
From version 04.00.00 This parameter serves to invert the control/status bits of the MCI port blocks.		
Setting range (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	Active	Bit set = inversion active
...	...	
Bit 15	Active	
Subcodes	Factory setting	Info
C00890/1	0x0000	LP_Network_In: Invert.Ctrl_B0..15
C00890/2	0x0000	LP_Network_Out: Invert.State_B0..15
C00890/3	0x0000	LP_Network_In: Invert. In2_B0..15
C00890/4	0x0000	LP_Network_Out: Invert.Out2_B0..15
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C00909

Parameter Name: C00909 Speed limitation		Data type: INTEGER_16 Index: 23666 _d = 5C72 _h
Max. positive/negative speed for all motor control modes		
Setting range (min. value unit max. value)		
0.0	%	175.0
Subcodes	Factory setting	Info
C00909/1	120.0 %	Max. pos. speed
C00909/2	120.0 %	Max. neg. speed
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

C00910

Parameter Name: C00910 Frequency limitation		Data type: UNSIGNED_16 Index: 23665 _d = 5C71 _h
Max. positive/negative output frequency for all motor control modes		
Setting range (min. value unit max. value)		
0	Hz	300
Subcodes	Factory setting	Info
C00910/1	300 Hz	Max. pos. output frequency
C00910/2	300 Hz	Max. neg. output frequency
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00920

Parameter Name: C00920 Rated device currents		Data type: UNSIGNED_16 Index: 23655 _d = 5C67 _h
<p>From version 09.00.00 onwards</p> <p>In online operation, the rated device currents for the rated power and the increased rated power with different mains voltages is shown.</p> <ul style="list-style-type: none"> The display "0A" indicates that this application case is not supported by the device. 		
Display range (min. value unit max. value)		
0.0	A	6000.0
Subcodes		Info
C00920/1		Rated current 3ph 400V
C00920/2		Rated current 3ph 440V
C00920/3		Rated current 3ph 480V
C00920/4		Rated current 3ph 500V
C00920/5		Increased rated current 3ph 400V
C00920/6		Increased rated current 3ph 440V
C00920/7		Increased rated current 3ph 480V
C00920/8		Increased rated current 3ph 500V
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10		

C00937

Parameter Name: C00937 Field-oriented motor currents		Data type: INTEGER_16 Index: 23638 _d = 5C50 _h
<p>From version 04.00.00</p> <p style="text-align: right;">▶ Field weakening for synchronous</p>		
Display range (min. value unit max. value)		
0.00	A	320.00
Subcodes		Info
C00937/1		Field-producing current
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00938

Parameter Name: C00938 PSM: Maximum motor current field weakening		Data type: UNSIGNED_16 Index: 23637 _d = 5C50 _h
<p>From version 04.00.00</p> <p style="text-align: right;">▶ Field weakening for synchronous</p>		
Setting range (min. value unit max. value)		Factory setting
0.00	%	500.00 30.00 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

C00939

Parameter Name: C00939 Ultimate motor current		Data type: UNSIGNED_16 Index: 23636 _d = 5C54 _h
<p>From version 03.00.00</p>		
Setting range (min. value unit max. value)		Factory setting
0.0	A	3000.0 3000.0 A
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10		

Parameter reference

C00965

Parameter Name: C00965 Max. motor speed			Data type: UNSIGNED_16 Index: 23610 _d = 5C3A _h
From version 04.00.00			
When the drive reaches the motor speed set here:			
<ul style="list-style-type: none"> • The "Fault" error response takes place, i.e. the motor is shut down immediately. • The error message "oS2: Max. motor speed reached" is entered into the logbook. 			
Setting range (min. value unit max. value)			Factory setting
50	rpm	32500	9999 rpm
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00970

Parameter Name: C00970 Rated device voltage			Data type: UNSIGNED_16 Index: 23605 _d = 5C35 _h
From version 09.00.00 onwards			
Display of the rated device voltage 3ph / 400 V or 1ph / 230 V			
Display range (min. value unit max. value)			
0	V	1000	
Subcodes			Info
C00970/1			Rated device voltage
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1			

C00971

Parameter Name: C00971 VFC: Limitation V/f +encoder			Data type: UNSIGNED_16 Index: 23604 _d = 5C34 _h
From version 02.00.00			
Limitation of the output frequency of the slip regulator and limitation of the injected stator frequency for the V/f control (VFCplus+encoder)			
Setting range (min. value unit max. value)			
0.00	Hz	100.00	
Subcodes			Factory setting
C00971/1			10.00 Hz
C00971/2			100.00 Hz
			Info
			Maximum output / correcting variable of the slip regulator
			<ul style="list-style-type: none"> • The slip regulator output is limited to the value set here in motor/generator mode. • We recommend defining a limit value of one or two times the motor slip frequency.
			Maximum frequency deviation between the rotational frequency (speed) measured mechanically by the encoder and the injected stator frequency.
			<ul style="list-style-type: none"> • A limitation may e.g. avoid overcurrent interruption when traversing to a fixed limit stop.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

Parameter reference

Parameter list | C912

C00972

Parameter Name: C00972 VFC: Vp V/f +encoder			Data type: UNSIGNED_16 Index: 23603 _d = 5C33 _h
From version 02.00.00 Proportional gain of the slip regulator for V/f control (VFCplus+encoder)			
<ul style="list-style-type: none"> The gain must be selected depending on the drive system and the sensor resolution (range: 0.005 ... 5). A high gain requires a high number of increments. 			
Setting range (min. value unit max. value)			Factory setting
0.000	Hz/Hz	64.000	0.100 Hz/Hz
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000			

C00973

Parameter Name: C00973 VFC: Ti V/f +encoder			Data type: UNSIGNED_16 Index: 23602 _d = 5C32 _h
From version 02.00.00 Integral time constant of the slip regulator for V/f control (VFCplus+encoder)			
<ul style="list-style-type: none"> In general, the time constant should be selected in a range of 20 ms (high dynamics) to 200 (low dynamics). 			
Setting range (min. value unit max. value)			Factory setting
0.0	ms	6000.0	100.0 ms
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 10			

C00975

Parameter Name: C00975 VFC-ECO: Vp			Data type: UNSIGNED_16 Index: 23600 _d = 5C30 _h
Proportional gain of the Cos-Phi controller for energy-saving V/f characteristic control (VFCplusEco)			
Setting range (min. value unit max. value)			Factory setting
0.000	Hz/Hz	64.000	0.500 Hz/Hz
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1000			

C00976

Parameter Name: C00976 VFC-ECO: Ti			Data type: UNSIGNED_16 Index: 23599 _d = 5C2F _h
Reset time of the Cos-Phi controller for energy-saving V/f characteristic control (VFCplusEco)			
Setting range (min. value unit max. value)			Factory setting
0.0	ms	6000.0	200.0 ms
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10			

C00977

Parameter Name: C00977 VFC-ECO: Minimum voltage V/f			Data type: UNSIGNED_8 Index: 23598 _d = 5C2E _h
Minimum voltage V/f of the Cos-Phi controller for energy-saving V/f characteristic control (VFCplusEco)			
Setting range (min. value unit max. value)			Factory setting
20	%	100	20 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1			

Parameter reference

C00978

Parameter Name: C00978 VFC-ECO: Motor voltage sub		Data type: INTEGER_16 Index: 23597 _d = 5C2D _h
Display of the voltage reduction with energy-saving V/f characteristic control (VFCplusEco)		
Display range (min. value unit max. value)		
-1000	V	1000
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00979

Parameter Name: C00979 Cosine phi		Data type: INTEGER_16 Index: 23596 _d = 5C2C _h
Display of the $\cos\phi$ setpoint and actual value with energy-saving V/f characteristic control (VFCplusEco)		
Display range (min. value unit max. value)		
-1.00		1.00
Subcodes		Info
C00979/1		Cosine phi act
C00979/2		Cosine phi set
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C00980

Parameter Name: C00980 Output power		Data type: INTEGER_32 Index: 23594 _d = 5C2A _h
From version 09.00.00 onwards Display parameter for an energy analysis in the prevailing application. From this, decisions can be deduced whether a measure for energy optimisation is economic.		
Display range (min. value unit max. value)		
-32.000	kW	32.000
Subcodes		Info
C00980/1		Active output power
C00980/2		Apparent output power Display of the rated power at a 3ph / 400V or 1ph / 230V mains voltage
C00980/3		Rated device power
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C00981

Parameter Name: C00981 Energy display		Data type: INTEGER_32 Index: 23594 _d = 5C2A _h
Display parameter for an energy analysis in the prevailing application. From this, decisions can be deduced whether a measure for energy optimisation is economic. <ul style="list-style-type: none"> The values are saved to the device by switching off the mains and cannot be reset. 		
Display range (min. value unit max. value)		
0.00	kWh	21474836.47
Subcodes		Info
C00981/1		Output energy in motor mode
C00981/2		Output energy in generator mode
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

Parameter list | C982

C00982

Parameter Name: C00982 VFC-ECO: Minimum voltage V/f ramp		Data type: UNSIGNED_8 Index: 23593 _d = 5C29 _h	
Voltage ramp for cancelling V-Sub with energy-saving V/f characteristic control (VFCplusEco)			
Setting range (min. value unit max. value)		Factory setting	
0.1	s	5.0	0.5 s
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10			

C00984

Parameter Name: C00984 Motor flux Add		Data type: INTEGER_16 Index: 23591 _d = 5C27 _h	
From version 02.00.00			
Setting range (min. value unit max. value)		Factory setting	
0.0	%	199.9	20.0 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00985

Parameter Name: C00985 SLVC: Gain of field current controller		Data type: INTEGER_16 Index: 23590 _d = 5C26 _h	
From version 06.01.00			
Gain of the direct-axis current difference (I _d) between setpoint and actual current for the voltage model of the sensorless vector control (SLVC)			
<ul style="list-style-type: none"> The gain should be selected within the range 0 ... 1 %. 			
Setting range (min. value unit max. value)		Factory setting	
0.00	%	20.00	0.20 %
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100			

C00986

Parameter Name: C00986 SLVC: Gain of cross current controller		Data type: INTEGER_16 Index: 23589 _d = 5C25 _h	
From version 06.01.00			
Gain of the I _q difference for the voltage model of the sensorless vector control (SLVC)			
Setting range (min. value unit max. value)		Factory setting	
0.00	%	20.00	5.00 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100			

C00987

Parameter Name: C00987 Inverter motor brake: nAdd – Not valid for Emotron CDN		Data type: INTEGER_16 Index: 23588 _d = 5C24 _h	
From version 02.00.00			
Speed lift which is connected in pulses to the brake ramp when the motor is braked.			
▶ Inverter motor brake			
Setting range (min. value unit max. value)		Factory setting	
0	rpm	1000	80 rpm
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1			

Parameter reference

C00990

Parameter Name: C00990 Flying restart fct.: Activation		Data type: UNSIGNED_8 Index: 23585 _d = 5C21 _h
Switch on/activate flying restart circuit for non-feedback drive systems		▶ Flying restart fct.
Selection list (Factory setting printed in bold)		
0	Off	
1	On	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00991

Parameter Name: C00991 Flying restart fct.: Process		Data type: UNSIGNED_16 Index: 23584 _d = 5C20 _h
Selection of the speed search range for the flying restart function		▶ Flying restart fct.
Selection list (Factory setting printed in bold)		
5	-n...+n Last output frequency	
6	-n...+n Actual setpoint frequency	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C00992

Parameter Name: C00992 Flying restart fct.: Start frequency		Data type: INTEGER_16 Index: 23583 _d = 5C1F _h
Manual selection of the starting value for the flying restart function		▶ Flying restart fct.
<ul style="list-style-type: none"> Only active if C00991 = 4 (cannot be selected yet for CDN) 		
Setting range (min. value unit max. value)		Factory setting
-200	Hz	200 10 Hz
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C00994

Parameter Name: C00994 Flying restart fct.: Current		Data type: INTEGER_16 Index: 23581 _d = 5C1D _h
Current to be injected during the flying restart process		▶ Flying restart fct.
<ul style="list-style-type: none"> 100 % ≡ rated motor current (C00088). The flying restart current should amount to 10 ... 25 % of the rated motor current. 		
Setting range (min. value unit max. value)		Factory setting
0.0	%	100.0 25.0 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

Parameter list | C00995

C00995

Parameter Name: C00995 SLPSM: Controlled current setpoint		Data type: UNSIGNED_16 Index: 23580 _d = 5C1C _h
From version 03.00.00		
▶ Sensorless control for synchronous motors (SLPSM)		
Setting range (min. value unit max. value)		
5.00	%	400.00
Subcodes	Factory setting	Info
C00995/1	100.00 %	SLPSM : Controlled accelerating current
C00995/2	20.00 %	SLPSM : Controlled standstill current
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

C00996

Parameter Name: C00996 SLPSM: Switching speed		Data type: INTEGER_16 Index: 23579 _d = 5C1B _h
From version 03.00.00		
▶ Sensorless control for synchronous motors (SLPSM)		
Setting range (min. value unit max. value)		
0.00	%	100.00
Subcodes	Factory setting	Info
C00996/1	13.00 %	SLPSM : Switching speed, closed-loop control
C00996/2	8.00 %	SLPSM : Switching speed, open-loop control
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

C00997

Parameter Name: C00997 SLPSM: Filter cutoff frequency		Data type: INTEGER_16 Index: 23578 _d = 5C1A _h
From version 03.00.00		
▶ Sensorless control for synchronous motors (SLPSM)		
Setting range (min. value unit max. value)		Factory setting
0.00	%	100.00 5.00 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 100		

C00998

Parameter Name: C00998 SLPSM: Filter time rotor position		Data type: INTEGER_16 Index: 23577 _d = 5C19 _h
From version 03.00.00		
▶ Sensorless control for synchronous motors (SLPSM)		
Setting range (min. value unit max. value)		
0.5	ms	20.0
Subcodes	Factory setting	Info
C00998/1	3.0 ms	SLPSM : Filter time rotor position
C00998/2	5.0 ms	SLPSM : Filter time actual speed value
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10		

Parameter reference

C00999

Parameter Name: C00999 SLPSM: PLL gain			Data type: INTEGER_16 Index: 23576 _d = 5C18 _h
From version 03.00.00			
▶ Sensorless control for synchronous motors (SLPSM)			
Setting range (min. value unit max. value)			Factory setting
0	%	1000	50 %
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1			

C01000

Parameter Name: C01000 MCTRL: Status			Data type: UNSIGNED_16 Index: 23575 _d = 5C17 _h
From version 03.00.00			
Display area (min. hex value max. hex value)			
0x0000		0xFFFF	
Value is bit-coded:			
Bit 0	SL PSM: Mode		
Bit 1	Reserved		
Bit 2	Reserved		
Bit 3	Reserved		
Bit 4	Reserved		
Bit 5	Reserved		
Bit 6	Reserved		
Bit 7	Reserved		
Bit 8	Reserved		
Bit 9	Reserved		
Bit 10	Reserved		
Bit 11	Reserved		
Bit 12	Reserved		
Bit 13	Reserved		
Bit 14	Reserved		
Bit 15	Reserved		
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT			

C01082

Parameter Name: C01082 LS_WriteParamList: Execute Mode		Data type: UNSIGNED_8 Index: 23493 _d = 5BC5 _h
Parameter change-over : Selection of the activation method		
Selection list (Factory setting printed in bold)		Info
0	by Execute	The writing of the parameter list is activated by a FALSE/ TRUE edge at the <i>bExecute</i> input.
1	by Input Select	The parameter list is written to if a change is made at the <i>bSelectWriteValue_1</i> selection input and once when the inverter is initialised.
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C01083

C01083

Parameter Name: C01083 LS_WriteParamList: FailState		Data type: UNSIGNED_16 Index: 23492 _d = 5BC4 _h
Parameter change-over : Error status:		
<ul style="list-style-type: none"> • 0 = no error • 33803 0x840B = invalid data type (e.g. STRING) • 33804 0x840C = limit violation • 33806 0x840E = invalid code • 33813 0x8415 = no element of the selection list • 33815 0x8417 = writing of the parameter not permitted • 33816 0x8418 = writing of the parameter only permitted if controller is inhibited • 33829 0x8425 = invalid subcode • 33865 0x8449 = no parameter with subcodes 		
Display range (min. value unit max. value)		
0		34000
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01084

Parameter Name: C01084 LS_WriteParamList: Error line		Data type: UNSIGNED_8 Index: 23491 _d = 5BC3 _h
Parameter change-over : Display of the number of list entry where the error occurred (in connection with the value set selected via <i>bSelectWriteValue_1</i> and <i>bSelectWriteValue_2</i>).		
Display range (min. value unit max. value)		
0		16
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01085

Parameter Name: C01085 LS_WriteParamList: Index		Data type: INTEGER_32 Index: 23490 _d = 5BC2 _h
Parameter change-over : Parameter for entry 1 ... 16		
Setting range (min. value unit max. value)		
0.000		16000.000
Subcodes	Factory setting	Info
C01085/1	0.000	Parameter for entries 1 ... 16 • Format: <code number>.<subcode number> • Examples: "12.000" = C00012; "26.001" = C00026/1
C01085/...		
C01085/16		
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C01086

Parameter Name: C01086 LS_WriteParamList: WriteValue_1		Data type: INTEGER_32 Index: 23489 _d = 5BC1 _h
Parameter change-over : Parameter values - value set 1		
Setting range (min. value unit max. value)		
-2147483647		2147483647
Subcodes	Factory setting	Info
C01086/1	0	Parameter values - value set 1 • Parameter values for the parameters defined in C01085/1 ... 16 .
C01086/...		
C01086/16		
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C01087

Parameter Name: C01087 LS_WriteParamList: WriteValue_2		Data type: INTEGER_32 Index: 23488 _d = 5BC0 _h
Parameter change-over : Parameter values - value set 2		
Setting range (min. value unit max. value)		
-2147483647		2147483647
Subcodes	Factory setting	Info
C01087/1	0	Parameter values - value set 2 • Parameter values for the parameters defined in C01085/1 ... 16.
C01087/...		
C01087/16		
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01090

Parameter Name: C01090 LS_ParReadWrite_1: Index		Data type: INTEGER_32 Index: 23485 _d = 5BBD _h
From version 04.00.00		
Parameter to be read or written.		
<ul style="list-style-type: none"> • Format: <code number>, <subcode number> • For a setting of "0,000", inputs <i>wParIndex</i> and <i>wParSubindex</i> are effective for addressing purposes instead. 		
Setting range (min. value unit max. value)		
0.000		16000.000
Subcodes	Factory setting	Info
C01090/1	0.000	LS_ParReadWrite_1: Index
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1000		

C01091

Parameter Name: C01091 LS_ParReadWrite_1: Cycle time		Data type: UNSIGNED_16 Index: 23484 _d = 5BBC _h
From version 04.00.00		
Time interval for cyclic reading/writing		
Selection list		
0	0 (by Execute)	
20	20 ms	
50	50 ms	
100	100 ms	
200	200 ms	
500	500 ms	
1000	1000 ms	
2000	2000 ms	
5000	5000 ms	
10000	10000 ms	
Subcodes	Factory setting	Info
C01091/1	0: 0 (by Execute)	LS_ParReadWrite_1: Cycle time
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C01092

C01092

Parameter Name: C01092 LS_ParReadWrite_1: FailState		Data type: UNSIGNED_16 Index: 23483 _d = 5BBB _h
From version 04.00.00 Error status:		
<ul style="list-style-type: none"> • 0 = no error • 33803 0x840B = invalid data type (e.g. STRING) • 33804 0x840C = limit violation • 33806 0x840E = invalid code • 33813 0x8415 = no element of the selection list • 33815 0x8417 = writing of the parameter not permitted • 33816 0x8418 = writing of the parameter only permitted if controller is inhibited • 33829 0x8425 = invalid subcode • 33865 0x8449 = no parameter with subcodes 		
Display range (min. value unit max. value)		
0		34000
Subcodes		Info
C01092/1	LS_ParReadWrite_1: FailState	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01100

Parameter Name: C01100 L_Counter_1: Function		Data type: UNSIGNED_8 Index: 23475 _d = 5BB3 _h
Selection of reset function		
Selection list		
0	Normal counting	
1	Auto reset	
2	Manual reset	
Subcodes	Factory setting	Info
C01100/1	0: Normal counting	L_Counter_1: Function
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01101

Parameter Name: C01101 L_Counter_1: Comparison		Data type: UNSIGNED_8 Index: 23474 _d = 5BB2 _h
Selection of comparison operation		
Selection list		
0	Greater than or equal to	
1	Less than or equal to	
2	equal to	
Subcodes	Factory setting	Info
C01101/1	0: Greater than or equal to	L_Counter_1: Comparison
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C01206

Parameter Name: C01206 Axis data: Mounting direction		Data type: UNSIGNED_8 Index: 23369 _d = 5B49 _h
From version 02.00.00 Inversion for mirrored motor and encoder mounting		
Selection list		
	0	not inverted
	1	inverted
Subcodes	Factory setting	Info
C01206/1	0: Not inverted	Motor mounting direction • Setting for motor mounting turned by 180°.
C01206/2	0: Not inverted	Mounting direction of speed sensor • Setting of a mounted speed sensor system rotated by 180°.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input checked="" type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01350

Parameter Name: C01350 ACDrive: Drive mode		Data type: UNSIGNED_8 Index: 23225 _d = 5AB9 _h
From version 04.01.00 This parameter is set by the EtherNet/IP™ Communication Unit and should not be written by the user. • Detailed information on the "AC Drive Profile" can be found in the EtherNet/IP™ communication manual.		
Selection list		
	1	Speed mode
	3	Torque mode
Subcodes	Factory setting	Info
C01350/1	1: Speed mode	ACDrive: Drive mode
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C010151

C01351

Parameter Name: C01351 ACDrive: Control word		Data type: UNSIGNED_16 Index: 23224 _d = 5AB8 _h
<p>From version 04.01.00</p> <p>Display of the "AC Drive profile" control word for the CDN</p> <ul style="list-style-type: none"> • If required, you can set an inversion for individual control bits in C00890/1 which is included in this display. • Detailed information on the "AC Drive Profile" can be found in the EtherNet/IP™ communication manual. 		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	Run Forward	Connections between Run1 and Run2 and trigger events can be found in the EtherNet/IP™ communication manual.
Bit 1	Run Backward	
Bit 2	Fault Reset	0->1 ≡ Reset error 0 ≡ No response
Bit 3	reserved	
Bit 4	reserved	
Bit 5	NetCtrl	Run/Stop control 0 ≡ Run/Stop control via local setting in the device or terminal 1 ≡ Run/Stop control via network (e.g. from the scanner)
Bit 6	NetRef	Status of the reference speed / reference torque 0 ≡ Reference via local setting in the device or terminal 1 ≡ Reference via network (e.g. from the scanner)
Bit 7	reserved	
Bit 8	reserved	
Bit 9	reserved	
Bit 10	reserved	
Bit 11	reserved	
Bit 12	reserved	
Bit 13	reserved	
Bit 14	reserved	
Bit 15	reserved	
Subcodes		Info
C01351/1		ACDrive: Control word
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

C01352

Parameter Name: C01352 ACDrive: Status word		Data type: UNSIGNED_16 Index: 23223 _d = 5AB7 _h
<p>From version 04.01.00</p> <p>Display of the "AC Drive profile" status word from the CDN</p> <ul style="list-style-type: none"> Detailed information on the "AC Drive Profile" can be found in the EtherNet/IP™ communication manual. 		
Display area (min. hex value max. hex value)		
0x0000		0xFFFF
Value is bit-coded:		Info
Bit 0	Faulted	0 ≡ No errors 1 ≡ Errors have occurred
Bit 1	Warning	0 ≡ No warnings 1 ≡ Warnings have occurred
Bit 2	Running1 (Fwd)	Connections between Run1 and Run2 and trigger events can be found in the EtherNet/IP™ communication manual.
Bit 3	Running2 (Rev)	
Bit 4	Ready	0 ≡ Different status than in case of "1" 1 ≡ Ready or Enabled or Stopping
Bit 5	Ctrl from Net	Run/Stop control 0 ≡ Run/Stop control via local setting in the device or terminal 1 ≡ Run/Stop control via network (e.g. from the scanner)
Bit 6	Ref from Net	Status of the reference speed / reference torque 0 ≡ Reference via local setting in the device or terminal 1 ≡ Reference via network (e.g. from the scanner)
Bit 7	At Reference	1 ≡ Currently, the inverter runs with the reference speed or reference torque (depending on the "drive mode" set in C01350/1).
Bit 8	DriveState_0	The "Drive State" is coded as follows: 0: Manufacturer-specific (not used with CDN) 1: Start-up (drive initialisation) 2: Not_Ready (mains voltage switched off) 3: Ready (mains voltage switched-on) 4: Enabled (drive has received "Run" command) 5: Stopping (drive has received "Stop" command and is stopped) 6: Fault_Stop (drive is stopped due to an error) 7: Faulted (errors have occurred)
Bit 9	DriveState_1	
Bit 10	DriveState_2	
Bit 11	DriveState_3	
Bit 12	DriveState_4	
Bit 13	DriveState_5	
Bit 14	DriveState_6	
Bit 15	DriveState_7	
Subcodes		Info
C01352/1		ACDrive: Status word
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input checked="" type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

Parameter reference

Parameter list | C0103

C01353

Parameter Name: C01353 ACDrive: Setpoint scaling		Data type: INTEGER_8 Index: 23222 _d = 5AB6 _h
From version 05.00.00 ▶ Actuating drive speed (AC Drive Profil): Scaling of the speed and torque values		
Setting range (min. value unit max. value)		
-128		127
Subcodes	Factory setting	Info
C01353/1	0	ACDrive: Speed scaling
C01353/2	0	ACDrive: Torque scaling
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01354

Parameter Name: C01354 LS_Convert		Data type: UNSIGNED_8 Index: 23221 _d = 5AB5 _h
From version 05.00.00		
Selection list		
0	1 ==> 1 ==> 1	
1	1 Hz ==> % (C11) ==> 1 Hz	
2	0.1 Hz ==> % (C11) ==> 0.1 Hz	
3	0.01 Hz ==> % (C11) ==> 0.01 Hz	
4	0.001 Hz ==> % (C11) ==> 0.001 Hz	
5	1 Rpm ==> % (C11) ==> 1 Rpm	
6	0.1 Rpm ==> % (C11) ==> 0.1 Rpm	
7	0.01 Rpm ==> % (C11) ==> 0.01 Rpm	
8	0.001 Rpm ==> % (C11) ==> 0.001 Rpm	
9	1 A ==> % (C22) ==> 1 A	
10	0.1 A ==> % (C22) ==> 0.1 A	
11	0.01 A ==> % (C22) ==> 0.01 A	
12	0.001 A ==> % (C22) ==> 0.001 A	
13	1 Nm ==> % (C57) ==> 1 Nm	
14	0.1 Nm ==> % (C57) ==> 0.1 Nm	
15	0.01 Nm ==> % (C57) ==> 0.01 Nm	
16	0.001 Nm ==> % (C57) ==> 0.001 Nm	
17	ACDP ==> CAN ==> ACDP	
18	x C471_1 / C471_2	
19	Act position 32bit ==> 16Bit	
Subcodes	Factory setting	Info
C01354/1	0: 1 ==> 1 ==> 1	LS_Convert_1 : Function
C01354/2	0: 1 ==> 1 ==> 1	LS_Convert_2 : Function
C01354/3	0: 1 ==> 1 ==> 1	LS_Convert_3 : Function
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input checked="" type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

C01501

Parameter Name: C01501 Resp. to communication error with MCI		Data type: UNSIGNED_8 Index: 23074 _d = 5A22 _h
Configuration of monitoring functions for the Communication Unit		
Selection list		
0	No Reaction	
1	Fault	
4	WarningLocked	
Subcodes	Factory setting	Info
C01501/1	1: Fault	Resp. to MCI fault 1 • Response to a communication fault.
C01501/2	1: Fault	Resp. to MCI fault 2 • Response to an incompatible communication unit.
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01503

Parameter Name: C01503 MCI timeout		Data type: UNSIGNED_16 Index: 23072 _d = 5A20 _h
Setting range (min. value unit max. value)		
0	ms	1000
Subcodes	Factory setting	Info
C01503/1	200 ms	MCI timeout
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

Parameter reference

Parameter list | C01709

C01905

Parameter Name: C01905 Diagnostics X6: Current baud rate		Data type: UNSIGNED_16 Index: 22670 _d =
From version 06.01.00 Current baud rate at the diagnostic interface <ul style="list-style-type: none"> From version 06.01.00, the diagnostic interface also supports the fast communication with 57,600 Baud (instead of 4,800 Baud). ▶ Fast communication via diagnostic interface 		
Display range (min. value unit max. value)		
0	100Bd	65000
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 1		

C01911

Parameter Name: C01911 Function DIP switch S1 – Not valid for Emotron CDN		Data type: UNSIGNED_8 Index: 22664 _d = 5888 _h
Bit coded display of the DIP switch S1 setting Note: <ul style="list-style-type: none"> Settings made by DIP switch S1/S2 and potentiometer P1-P3 have to be activated with the DIP switch S1/DIP1. The settings are accepted anew every time the mains is switched on. As a consequence, interim changes of parameters may be overwritten. Information on how to commission the drive via the DIP switches/potentiometers can be found in the mounting instructions or hardware manual! 		
Display area (min. hex value max. hex value)		
0x00		0xFF
Value is bit-coded:		Info
Bit 0	DIP1: DIP switch activated	"1" ≙ Settings according to DIP switch S1/S2, P1-P3 active. <ul style="list-style-type: none"> C00012 and C00013 (acceleration/deceleration time) are overwritten with the setting of potentiometer P3. C00039/1 (fixed setpoint 1) is overwritten with the setting of potentiometer P2.
Bit 1	DIP2: CCW direction of rotation Motor power	DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF) C00701/5 (bSetSpeedCcw) is overwritten: "0" ≙ bSetSpeedCcw = unchanged "1" ≙ bSetSpeedCcw = TRUE (Ccw active) DIP switch/potentiometer assignment 1 (S2/DIP8 = ON) C00120 (setting of motor overload, I ² xt) is overwritten: "0" ≙ C00120 = 66 % "1" ≙ C00120 = 100%

Parameter reference

Parameter Name: C01911 Function DIP switch S1 – Not valid for Emotron CDN		Data type: UNSIGNED_8 Index: 22664 _d = 5888 _n
Bit 2	DIP3: VFCplus linear/square-law VFCplus Eco/linear	<p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF) C00006 (motor control) is overwritten: "0" ≡ VFCplus linear "1" ≡ VFCplus square-law</p> <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON) C00006 (motor control) is overwritten: "0" ≡ VFCplus linear "1" ≡ VFCplus ECO</p>
Bit 3	DIP4: Flying restart process activated brake control/restart on the fly	<p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF) Bit 3: C00990 is overwritten:</p> <ul style="list-style-type: none"> • "0" ≡ Flying restart process deactivated • "1" ≡ Flying restart process activated <p>4: Reserved</p> <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON) DIP4 DIP5: Holding brake (C02580) / restart on the fly (C00990)</p> <ul style="list-style-type: none"> • 0 0 ≡ Holding brake off, restart on the fly off • 0 1 ≡ Holding brake off, restart on the fly on • 1 0 ≡ Holding brake on, restart on the fly off • 1 1 ≡ Holding brake on, restart on the fly on <p>Further affected parameters: Auto-DCB: Threshold (C00019), Auto-DCB: Hold time (C00106), holding brake: Speed thresholds (C02581), holding brake: Setting (C02582)</p>
Bit 4	DIP5: Reserved Brake control/ restart on the fly	
Bit 5	DIP6: Reserved Motor mounting direction	<p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF) Reserved</p> <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON) C01206/1 (motor mounting direction) is overwritten:</p> <ul style="list-style-type: none"> • "0" ≡ not inverted • "1" ≡ inverted
Bit 6	DIP7: Reserved Function P1 for fixed setpoint 3	<p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF) Reserved</p> <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON) C00039/3 (fixed setpoint 3) is overwritten:</p> <ul style="list-style-type: none"> • "0" ≡ C00039/3 is written once with P1 (Top Cover) when the mains is switched on. • "1" ≡ C00039/3 is always written with P1 (Top Cover).
Bit 7	DIP8: Config. of relay/DO1 Parameter basis	<p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF) Error message (only in case of Communication Unit with the "Safety STO" option):</p> <ul style="list-style-type: none"> • "0" ≡ Relay = error is pending, DO1 = drive is ready • "1" ≡ Relay = drive is ready, DO1 = error is pending <p style="text-align: right;">Relay: C00621/1 DO1: C00621/2</p> <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON) C00002/1 or C00002/2 is overwritten:</p> <ul style="list-style-type: none"> • "0" ≡ C00002/1 is loaded from the Factory default setting. • "1" ≡ C00002/2 is loaded from the Memory Module.
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C01912

Parameter Name: C01912 Function DIP switch S2 - Not valid for Emotron CDN		Data type: UNSIGNED_8 Index: 22663 _d = 5887 _n
Bit coded display of the DIP switch S2 setting		
Note:		
<ul style="list-style-type: none"> • Settings made by DIP switch S1/S2 and potentiometer P1-P3 have to be activated with the DIP switch S1/DIP1. The settings are accepted anew every time the mains is switched on. As a consequence, interim changes of parameters may be overwritten. • Information on how to commission the drive via the DIP switches/potentiometers can be found in the mounting instructions or hardware manual! 		
Display area (min. hex value max. hex value)		
0x00		0xFF
Value is bit-coded:		Info
Bit 0	DIP1: Rated motor frequency Motor data	DIP2 DIP1: V/f base frequency (C00015) and reference speed (C00011) From version 07.00.00 onwards: Rated motor speed (C00087), rated motor frequency (C00089) and rated motor voltage (C00090) <ul style="list-style-type: none"> • 0 0 ≡ 50 Hz, 1500 rpm • 0 1 ≡ 60 Hz, 1800 rpm • 1 0 ≡ 87 Hz, 2610 rpm • 1 1 ≡ 120 Hz, 3600 rpm
Bit 1	DIP2: Rated motor frequency Motor data	
Bit 2	DIP3: Config. A1U Config. application	DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF) DIP4 DIP3: Configuration of analog input (C00034) <ul style="list-style-type: none"> • 0 0 ≡ 0 ... 10 V (no load resistor) • 0 1 ≡ 0 ... 20 mA (load resistor is active) • 1 0 ≡ 4 ... 20 mA (load resistor is active) • 1 1 ≡ Configuration of EPM DIP switch/potentiometer assignment 1 (S2/DIP8 = ON) DIP4 DIP3: Configuration of application (C00005) <ul style="list-style-type: none"> • 0 0 ≡ Speed actuating drive (1000) • 0 1 ≡ AC-Drive Profile (1100) • 1 0 ≡ Switch-off positioning (3000) • 1 1 ≡ Reserved
Bit 3	DIP4: Config. A1U Config. application	

Parameter reference

Parameter Name: C01912 Function DIP switch S2		Data type: UNSIGNED 8 Index: 22663 _d = 5887 _h
Bit 4	DIP5: Control source Control source	<p>DIP7 DIP6 DIP5: Control mode (C00007)</p> <p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF)</p> <ul style="list-style-type: none"> • 0 0 0 ≡ Local mode <ul style="list-style-type: none"> • The technology application is controlled via the control elements at the drive - Not valid for Emotron CDN. • Detailed information on this control mode can be found in the mounting instructions/hardware manual. • 0 0 1 ≡ Terminals 0 • 0 1 0 ≡ Terminals 2 • 0 1 1 ≡ Terminals 11 • 1 0 0 ≡ Terminals 16 • 1 1 0 ≡ Network (AS-i) • 1 1 1 ≡ Network (MCI/CAN) • all other ≡ Configuration of EPM <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON)</p> <ul style="list-style-type: none"> • 0 0 0 ≡ Local mode <ul style="list-style-type: none"> • The technology application is controlled via the control elements at the drive. • Detailed information on this control mode can be found in the mounting instructions/hardware manual. • 0 0 1 ≡ Terminals 0 • 0 1 0 ≡ Terminals 2 • 0 1 1 ≡ Terminals 11 • 1 0 0 ≡ Terminals 16 • 1 1 0 ≡ Network (AS-i) • 1 1 1 ≡ Network (MCI/CAN) • all other ≡ Configuration of EPM
Bit 5	DIP6: Control source Control	
Bit 6	DIP7: Control source Control	
Bit 7	DIP8: DIP selection/potentiometer assignment (0 1)	<p>DIP switch selection/potentiometer assignment:</p> <ul style="list-style-type: none"> • "0" ≡ DIP switch/potentiometer assignment 0 • "1" ≡ DIP switch/potentiometer assignment 1 <p>Affected parameters: Slip compensation (C00021), I_{max} in motor mode (C00022), VFC: U_{min} boost (C00016), rated motor speed (C00087)</p>
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT		

C01913

Parameter Name: C01913 Switch position - Not valid for Emotron CDN		Data type: INTEGER 16 Index: 22662 _d = 5886 _h
Display of the values set via the setting elements P1 ... P3 Note: <ul style="list-style-type: none"> • Settings made by DIP switch S1/S2 and potentiometer P1-P3 have to be activated with the DIP switch S1/DIP1. The settings are accepted anew every time the mains is switched on. As a consequence, interim changes of parameters may be overwritten. • Information on how to commission the drive via the DIP switches/potentiometers can be found in the mounting instructions or hardware manual! 		
Display range (min. value unit max. value)		
-199.99	%	199.99
Subcodes		Info

Parameter reference

Parameter list | C01912

Parameter Name: C01913 Switch position		Data type: INTEGER_16 Index: 22662 _d = 5886 _n
C01913/1	<p>Setting of P1</p> <ul style="list-style-type: none"> • Stepless from 0 % to 100 % <p>Note (only valid for DIP switch/potentiometer assignment 1): When DIP switch S2/DIP8 = "ON": C00039/3 is always written with the value set here!</p>	
C01913/2	<p>Setting of P2</p> <p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF)</p> <ul style="list-style-type: none"> • Setting 0 ≙ 0 % • Setting 1 ≙ 11 % • Setting 2 ≙ 22 % • Setting 3 ≙ 33 % • Setting 4 ≙ 44 % • Setting 5 ≙ 55 % • Setting 6 ≙ 66 % • Setting 7 ≙ 77 % • Setting 8 ≙ 88 % • Setting 9 ≙ 100 % <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON)</p> <ul style="list-style-type: none"> • Setting 0 ≙ C00039/1 = 5, C00039/2 = 10 • Setting 1 ≙ C00039/1 = 10, C00039/2 = 20 • Setting 2 ≙ C00039/1 = 15, C00039/2 = 30 • Setting 3 ≙ C00039/1 = 20, C00039/2 = 40 • Setting 4 ≙ C00039/1 = 25, C00039/2 = 50 • Setting 5 ≙ C00039/1 = 30, C00039/2 = 60 • Setting 6 ≙ C00039/1 = 35, C00039/2 = 70 • Setting 7 ≙ C00039/1 = 40, C00039/2 = 80 • Setting 8 ≙ C00039/1 = 45, C00039/2 = 90 • Setting 9 ≙ C00039/1 = 50, C00039/2 = 100 	
C01913/3	<p>Setting of P3</p> <p>DIP switch/potentiometer assignment 0 (S2/DIP8 = OFF)</p> <ul style="list-style-type: none"> • Setting 0 ≙ 0 % • Setting 1 ≙ 11 % • Setting 2 ≙ 22 % • Setting 3 ≙ 33 % • Setting 4 ≙ 44 % • Setting 5 ≙ 55 % • Setting 6 ≙ 66 % • Setting 7 ≙ 77 % • Setting 8 ≙ 88 % • Setting 9 ≙ 100 % <p>DIP switch/potentiometer assignment 1 (S2/DIP8 = ON)</p> <ul style="list-style-type: none"> • Setting 0 ≙ C00012 C00013 = 0.1 s, C00105 = 0.1 s • Setting 1 ≙ C00012 C00013 = 0.5 s, C00105 = 0.2 s • Setting 2 ≙ C00012 C00013 = 0.7 s, C00105 = 0.5 s • Setting 3 ≙ C00012 C00013 = 1.0 s, C00105 = 0.7 s • Setting 4 ≙ C00012 C00013 = 1.5 s, C00105 = 1.0 s • Setting 5 ≙ C00012 C00013 = 2.0 s, C00105 = 1.5 s • Setting 6 ≙ C00012 C00013 = 5.0 s, C00105 = 2.0 s • Setting 7 ≙ C00012 C00013 = 10 s, C00105 = 5.0 s • Setting 8 ≙ C00012 C00013 = 30 s, C00105 = 10 s • Setting 9 ≙ C00012 C00013 = 60 s, C00105 = 30 s 	
<input type="checkbox"/> Read access <input type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

C02580

Intentionally left blank

Read access Write access CINH PLC STOP No transfer COM MOT Scaling factor: 1

C02581

Intentionally left blank

Read access Write access CINH PLC STOP No transfer COM MOT Scaling factor: 100

C02582

Intentionally left blank

Read access Write access CINH PLC STOP No transfer COM MOT

C02589

Intentionally left blank

Read access Write access CINH PLC STOP No transfer COM MOT Scaling factor: 1

C02593

Intentionally left blank

Read access Write access CINH PLC STOP No transfer COM MOT Scaling factor: 1000

C02607

Intentionally left blank

Read access Write access CINH PLC STOP No transfer COM MOT

C02610

Intentionally left blank

Read access Write access CINH PLC STOP No transfer COM MOT Scaling factor: 1000

C02842

Parameter Name: C02842 FreqInxx: Offset		Data type: INTEGER_16 Index: 21733 _d = 54E5 _h
From version 02.00.00 Offset for digital frequency input ▶ Using DI1 and DI2 as frequency inputs		
Setting range (min. value unit max. value)		
-199.99	%	199.99
Subcodes	Factory setting	Info
C02842/1	0.00 %	FreqIn12: Offset
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

C02843

Parameter Name: C02843 FreqInxx: Gain		Data type: INTEGER_16 Index: 21732 _d = 54E4 _h
From version 02.00.00 Gain for digital frequency input ▶ Using DI1 and DI2 as frequency inputs		
Setting range (min. value unit max. value)		
-199.99	%	199.99
Subcodes	Factory setting	Info
C02843/1	100.00 %	FreqIn12: Gain
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input type="checkbox"/> MOT Scaling factor: 100		

Parameter reference

C02853

Parameter Name: C02853 PSM: Lss saturation characteristic		Data type: UNSIGNED_8 Index: 21722 _d = 54DA _h
From version 04.00.00		
▶ Current-dependent stator leakage inductance Lss(l)		
Setting range (min. value unit max. value)		
0	%	255
Subcodes	Factory setting	Info
C02853/1	100 %	PSM: Lss saturation characteristic
C02853/2	100 %	PSM: Lss saturation characteristic
C02853/3	100 %	PSM: Lss saturation characteristic
C02853/4	100 %	PSM: Lss saturation characteristic
C02853/5	100 %	PSM: Lss saturation characteristic
C02853/6	100 %	PSM: Lss saturation characteristic
C02853/7	100 %	PSM: Lss saturation characteristic
C02853/8	100 %	PSM: Lss saturation characteristic
C02853/9	100 %	PSM: Lss saturation characteristic
C02853/10	100 %	PSM: Lss saturation characteristic
C02853/11	100 %	PSM: Lss saturation characteristic
C02853/12	100 %	PSM: Lss saturation characteristic
C02853/13	100 %	PSM: Lss saturation characteristic
C02853/14	100 %	PSM: Lss saturation characteristic
C02853/15	100 %	PSM: Lss saturation characteristic
C02853/16	100 %	PSM: Lss saturation characteristic
C02853/17	100 %	PSM: Lss saturation characteristic
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C02855

Parameter Name: C02855 PSM: I_{max} Lss saturation characteristic		Data type: UNSIGNED_16 Index: 21720 _d = 54D8 _h
From version 04.00.00		
▶ Current-dependent stator leakage inductance Lss(l)		
Setting range (min. value unit max. value)		Factory setting
0.0	A	3000.0 3000.0 A
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 10		

C02859

Parameter Name: C02859 PSM: Activate Lss saturation char.		Data type: UNSIGNED_8 Index: 21716 _d = 54D4 _h
From version 04.00.00		
▶ Current-dependent stator leakage inductance Lss(l)		
Selection list (Factory setting printed in bold)		
0	Off	
1	On	
<input type="checkbox"/> Read access <input checked="" type="checkbox"/> Write access <input type="checkbox"/> CINH <input type="checkbox"/> PLC STOP <input type="checkbox"/> No transfer <input type="checkbox"/> COM <input checked="" type="checkbox"/> MOT Scaling factor: 1		

C02870

Parameter Name: C02870 Reserved	Data type: INTEGER_16 Index: 21705 _d = 54C9 _h
This code is for device-internal use only and must not be written to by the user!	

C02871

Parameter Name: C02871 Reserved	Data type: INTEGER_16 Index: 21704 _d = 54C8 _h
This code is for device-internal use only and must not be written to by the user!	

C02872

Parameter Name: C02872 Reserved	Data type: INTEGER_8 Index: 21703 _d = 54C7 _h
This code is for device-internal use only and must not be written to by the user!	

C02873

Parameter Name: C02873 Reserved	Data type: INTEGER_16 Index: 21702 _d = 54C6 _h
This code is for device-internal use only and must not be written to by the user!	

C02874

Parameter Name: C02874 Reserved	Data type: UNSIGNED_16 Index: 21701 _d = 54C5 _h
This code is for device-internal use only and must not be written to by the user!	

C02875

Parameter Name: C02875 Reserved	Data type: INTEGER_8 Index: 21700 _d = 54C4 _h
This code is for device-internal use only and must not be written to by the user!	

Parameter reference

1.4 Selection list - analog signals

This selection list is relevant for the following configuration parameters:

Parameters	
C00620	System connection list: 16-bit
C00700	LA_NCtrl: Analog connection list

Selection list - analog signals	
0	Not connected
Frequently used constants:	
1	LS_ParFix: C_nPos100_a(100.0%)
2	LS_ParFix: C_nNeg100_a(-100.0%)
3	LS_ParFix: C_nPos199_9_a(199.9%)
4	LS_ParFix: C_nNeg199_9_a(-199.9%)
5	LS_ParFix: C_w65535
6	LS_ParFix: C_wDriveCtrl
Local DIP switch and potentiometer: Not valid for Emotron CDN	
7	LS_Local: DIP S1-S2 (Bit 15 ... bit 8 = S1; bit 0 ... bit 7 = S2)
8	LS_Local: potentiometer P2 (speed)
9	LS_Local: potentiometer P3 (ramp)
<u>Analog terminals:</u>	
10	LS_AnalogInput: Aln1_Out
11	LS_AnalogInput: Aln2_Out
Motor potentiometer L_MPot_1 :	
12	L_MPot_1: nNSet_a
Setpoint generator L_NSet_1 :	
13	LA_NCtrl: nSetSpeedValueEff_a
<u>Digital terminals:</u>	
14	LS_DigitalInput: nFreqIn12_a
Potentiometer P1:	
15	LS_Local: potentiometer P1 (continuous)
Free parameters (C00471/1...4):	
16	LS_ParFree: wC471_1
17	LS_ParFree: wC471_2
18	LS_ParFree: wC471_3
19	LS_ParFree: wC471_4
Free parameters (C00472/1...4):	
20	LS_ParFree_a: nC472_1_a
21	LS_ParFree_a: nC472_2_a
22	LS_ParFree_a: nC472_3_a
23	LS_ParFree_a: nC472_4_a
Data received via network (MCI/CAN):	
30	LP_Network_In: MCI_wCtrl/CAN1_wCtrl
31	LP_Network_In: MCI_wIn2/CAN1_wIn2
32	LP_Network_In: MCI_wIn3/CAN1_wIn3
33	LP_Network_In: MCI_wIn4/CAN1_wIn4
34	LP_Network_In: MCI_wIn5/CAN2_wIn1
35	LP_Network_In: MCI_wIn6/CAN2_wIn2
36	LP_Network_In: MCI_wIn7/CAN2_wIn3
37	LP_Network_In: MCI_wIn8/CAN2_wIn4

Selection list - analog signals	
Output signals of the TA "Actuating drive speed" :	
50	LA_NCtrl: nMotorFreqAct_a Scaling: 16384 = 100 % V/f base frequency (C00015)
51	LA_NCtrl: nMotorSpeedSet_a Scaling: 16384 = 100 % reference speed (C00011)
52	LA_NCtrl: nMotorSpeedAct_a Scaling: 16384 = 100 % reference speed (C00011)
53	LA_NCtrl: nMotor Voltage_a Scaling: 16384 = 1000 V
54	LA_NCtrl: nDCVoltage_a Scaling: 16384 = 1000 V
55	LA_NCtrl: nMotorCurrent_a Scaling: 16384 = 100 % I _{max_mot} (C00022)
56	LA_NCtrl: nMotorTorqueAct_a Scaling: 16384 = 100 % M _{max} (C00057)
57	LA_NCtrl: nHeatsinktemperature_a Scaling: 0 ... 16384 = 0 ... 80 °C, at sub-zero temperatures, the value "0" is output.
58	LA_NCtrl: nOutputSpeedCtrl_a Scaling: 16384 = 100 % M _n (C00097)
60	LA_NCtrl: nPIDOut_a
61	LA_NCtrl: nPIDOut1_a
62	LA_NCtrl: nPIDOut2_a
63	LA_NCtrl: nPIDInfluenceOut_a
70	LA_NCtrl: wDeviceStateWord
71	LA_NCtrl: wDeviceAuxStateWord
72	LA_NCtrl: wDetermFailNoLow
73	LA_NCtrl: wDetermFailNoHigh
74	LA_NCtrl: wDetermFailNoShort
Output signals of " GeneralPurpose " functions:	
80	LS_Convert_1: Out1
81	LS_Convert_1: Out2
82	LS_Convert_2: Out1
83	LS_Convert_2: Out2
84	LS_Convert_3: Out1
85	LS_Convert_3: Out2
150	LS_ParReadWrite_1: wOutHWord
151	LS_ParReadWrite_1: wOutLWord
160	L_Counter_1: wOut

1.5 Selection list - digital signals

This selection list is relevant for the following configuration parameters:

Parameters	
C00621	System connection list: Bool
C00701	LA_NCtrl: Digital connection list

Selection list - digital signals	
0	Not connected
Frequently used constants:	
1	LS_ParFix: bTrue
Digital terminals:	
10	LS_DigitalInput: Clnh
11	LS_DigitalInput: bln1
12	LS_DigitalInput: bln2
13	LS_DigitalInput: bln3
14	LS_DigitalInput: bln4
15	LS_DigitalInput: bln5
16	LS_DigitalInput: bln6
17	LS_DigitalInput: bln7
18	LS_DigitalInput: bln8
Free parameters (C00470/1...16):	
20	LS_ParFree_b: bC470_1
21	LS_ParFree_b: bC470_2
22	LS_ParFree_b: bC470_3
23	LS_ParFree_b: bC470_4
24	LS_ParFree_b: bC470_5
25	LS_ParFree_b: bC470_6
26	LS_ParFree_b: bC470_7
27	LS_ParFree_b: bC470_8
28	LS_ParFree_b: bC470_9
29	LS_ParFree_b: bC470_10
30	LS_ParFree_b: bC470_11
31	LS_ParFree_b: bC470_12
32	LS_ParFree_b: bC470_13
33	LS_ParFree_b: bC470_14
34	LS_ParFree_b: bC470_15
35	LS_ParFree_b: bC470_16
Output signals of the JA "Actuating drive speed" :	
50	LA_NCtrl: bDriveFail
51	LA_NCtrl: bDriveReady
52	LA_NCtrl: bClnhActive
53	LA_NCtrl: bQSPIsActive
54	LA_NCtrl: bSafeTorqueOff
55	LA_NCtrl: bSafetyIsActive
56	LA_NCtrl: bOperationEnable
57	LA_NCtrl: bRemoteControlActive
58	LA_NCtrl: bDriveWarning
59	LA_NCtrl: bCurrentMonitoringOverload
60	LA_NCtrl: bSpeedCcw
61	LA_NCtrl: bActSpeedEqZero

Selection list - digital signals	
62	LA_NCtrl: bSpeedSetReached
63	LA_NCtrl: bSpeedActEqSet
64	LA_NCtrl: bNActCompare
65	LA_NCtrl: blmaxActive
66	LA_NCtrl: bHeatSinkWarning
67	LA_NCtrl: bOVDetected
68	LA_NCtrl: bDCBrakeOn
69	LA_NCtrl: bFlyingSyncActive
70	LS_AnalogInput: bCurrentErrorIn1
71	LA_NCtrl: bPIDActEqSet
80	LA_NCtrl: bUVDetected
81	LA_NCtrl: blxtOverload
82	LA_NCtrl: bl2xtOverload
83	LA_NCtrl: bMMax
84	LA_NCtrl: bNMaxFault
85	LA_NCtrl: bMotorPTCFault
87	LA_NCtrl: bAutoGSBIsActive
88	LA_NCtrl: bClampActive
89	LA_NCtrl: bMPIsActive
90	LA_NCtrl: bSlpsmSpeedopenLoopControl
Data received via network (MCI/CAN):	
100	LP_Network_In:MCI_bCtrl_B0/CAN1_bCtrl_B0
101	LP_Network_In:MCI_bCtrl_B1/CAN1_bCtrl_B1
102	LP_Network_In:MCI_bCtrl_B2/CAN1_bCtrl_B2
103	LP_Network_In:MCI_bCtrl_B3/CAN1_bCtrl_B3
104	LP_Network_In:MCI_bCtrl_B4/CAN1_bCtrl_B4
105	LP_Network_In:MCI_bCtrl_B5/CAN1_bCtrl_B5
106	LP_Network_In:MCI_bCtrl_B6/CAN1_bCtrl_B6
107	LP_Network_In:MCI_bCtrl_B7/CAN1_bCtrl_B7
108	LP_Network_In:MCI_bCtrl_B8/CAN1_bCtrl_B8
109	LP_Network_In:MCI_bCtrl_B9/CAN1_bCtrl_B9
110	LP_Network_In:MCI_bCtrl_B10/CAN1_bCtrl_B10
111	LP_Network_In:MCI_bCtrl_B11/CAN1_bCtrl_B11
112	LP_Network_In:MCI_bCtrl_B12/CAN1_bCtrl_B12
113	LP_Network_In:MCI_bCtrl_B13/CAN1_bCtrl_B13
114	LP_Network_In:MCI_bCtrl_B14/CAN1_bCtrl_B14
115	LP_Network_In:MCI_bCtrl_B15/CAN1_bCtrl_B15
120	LP_Network_In:MCI_bln2_B0/CAN1_bln2_B0
121	LP_Network_In:MCI_bln2_B1/CAN1_bln2_B1
122	LP_Network_In:MCI_bln2_B2/CAN1_bln2_B2
123	LP_Network_In:MCI_bln2_B3/CAN1_bln2_B3
124	LP_Network_In:MCI_bln2_B4/CAN1_bln2_B4
125	LP_Network_In:MCI_bln2_B5/CAN1_bln2_B5
126	LP_Network_In:MCI_bln2_B6/CAN1_bln2_B6
127	LP_Network_In:MCI_bln2_B7/CAN1_bln2_B7
128	LP_Network_In:MCI_bln2_B8/CAN1_bln2_B8
129	LP_Network_In:MCI_bln2_B9/CAN1_bln2_B9
130	LP_Network_In:MCI_bln2_B10/CAN1_bln2_B10
131	LP_Network_In:MCI_bln2_B11/CAN1_bln2_B11
132	LP_Network_In:MCI_bln2_B12/CAN1_bln2_B12

Parameter reference

Selection list - digital signals	
133	LP_Network_In:MCI_bln2_B13/CAN1_bln2_B13
134	LP_Network_In:MCI_bln2_B14/CAN1_bln2_B14
135	LP_Network_In:MCI_bln2_B15/CAN1_bln2_B15
140	LP_Network_In:MCI_bln5_B0/CAN2_bln1_B0
141	LP_Network_In:MCI_bln5_B1/CAN2_bln1_B1
142	LP_Network_In:MCI_bln5_B2/CAN2_bln1_B2
143	LP_Network_In:MCI_bln5_B3/CAN2_bln1_B3
144	LP_Network_In:MCI_bln5_B4/CAN2_bln1_B4
145	LP_Network_In:MCI_bln5_B5/CAN2_bln1_B5
146	LP_Network_In:MCI_bln5_B6/CAN2_bln1_B6
147	LP_Network_In:MCI_bln5_B7/CAN2_bln1_B7
148	LP_Network_In:MCI_bln5_B8/CAN2_bln1_B8
149	LP_Network_In:MCI_bln5_B9/CAN2_bln1_B9
150	LP_Network_In:MCI_bln5_B10/CAN2_bln1_B10
151	LP_Network_In:MCI_bln5_B11/CAN2_bln1_B11
152	LP_Network_In:MCI_bln5_B12/CAN2_bln1_B12
153	LP_Network_In:MCI_bln5_B13/CAN2_bln1_B13
154	LP_Network_In:MCI_bln5_B14/CAN2_bln1_B14
155	LP_Network_In:MCI_bln5_B15/CAN2_bln1_B15
Output signals of the Holding brake control :	
200	MCK: bBrkReleaseOut
201	MCK: bBrkReleased
Output signals of " GeneralPurpose " functions:	
205	L_JogCtrlExtension_1: bRfgOut
206	L_JogCtrlExtension_1: bJog1Out
207	L_JogCtrlExtension_1: bJog2Out
210	L_Counter_1: bEqual
215	L_Compare_1: bOut
220	L_DigitalDelay_1: bOut
221	L_DigitalDelay_2: bOut
Output signals of the Parameter change-over :	
230	LS_WriteParamList: bDone
231	LS_WriteParamList: bFail
Output signals of " GeneralPurpose " functions:	
238	LS_ParReadWrite_1: bDone
239	LS_ParReadWrite_1: bFail
240	L_DigitalLogic_1: bOut
241	L_DigitalLogic_2: bOut

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