

PROFIdrive Parameter Jenny Science

Date 18/04/2023

Function Block Parameter Datatype of Input-/Output-Parameter:

DWORD (DEC+/-)
REAL (floating point)Unsigned32 and Integer32
otherwiseValueRead2/ValueWrite2
ValueRead1/ValueWrite1

Parameter Nr.	Name	Description	Default Value	Low Limit	High Limit	Data Length (Byte)	Data Type	Read only	Additional Notes
922	Telegram Select	Telegram selection		0x0000	0x0009	2	Unsigned 16	x	
923	Signal List	List of all parameters for signals		0x0000	0xFFFF	72	Array[n] Unsigned 16		
924	Status Bit	Status word bit Pulses Enabled		-	-	4	Array[2] Unsigned 16	x	
925	Sign-Of-Life	Number of Controller Sign-Of-Life failures which may be tolerated		0x0000	0xFFFF	2	Unsigned 16		
930	Operation Mode	Operating mode		0x0001	0x0003	2	Unsigned 16	x	
944	Fault Counter	Fault message counter		0x0000	0xFFFF	2	Unsigned 16	x	not supported yet
945	Fault Code	Fault code		0x0000	0xFFFF	128	Array[n] Unsigned 16	x	not supported yet
946	Fault Code List	Fault code list		0x0000	0xFFFF	18	Array[n] Unsigned 16	x	not supported yet
947	Fault Number	Fault number		0x0000	0xFFFF	128	Array[n] Unsigned 16	x	not supported yet
948	Fault Time	Fault time		-	-	-	Array[n] TimeDifference	x	not supported yet
949	Fault Value	Fault value		0x0000	0xFFFF	128	Array[n]	x	not supported yet
950	Buffer Scaling	Scaling of the fault buffer		0x0000	0xFFFF	4	Array[2] Unsigned 16	x	not supported yet
951	Fault List	Fault number list with text		0x0000	0xFFFF	18	Array[n] Unsigned 16	x	not supported yet
952	Situation_Sum	Fault situation counter		0x0000	0xFFFF	2	Unsigned 16		not supported yet
964	Drive Unit ID	Drive Unit identification		0x0000	0xFFFF	12	Array[n] Unsigned 16	x	
965	Profile ID	Profile identification number		0x0000	0x03FF	2	OctetString 2	x	
974	Mode-Access ID	Base Mode Parameter Access service identification		0x0000	0xFFFF	6	Array[n] Unsigned 16	x	
975	DO_ID	DO identification		0x0000	0xFFFF	16	Array[n] Unsigned 16	x	
978	DO_ID List	list of all DO-Ids		0x0000	0xFF	6	Array[n] Unsigned 8	x	
979	Sensor format	Sensor format		0x0000	0xFFFFFFFF	12	Array[n] Unsigned 32	x	
980 - 989	Parameter List1..10	Number list of defined parameter		0x0000	0xF9FFF	40	Array[n] Unsigned 16	x	
2000	v_Bezug	Reference Velocity	0x00	0x00	0x7FFFFFFF	4	Unsigned32		value in inc/s
2007	a_Bezug	Reference Acceleration	0x989680	0x7D0	0x7FFFFFFF	4	Unsigned32		value in inc/s ²
2100	S-Curve		0x14	0x1	0x64	4	Unsigned32		
2105	I_Force Actual	Filtered motor current	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
2106	Status Register	Process Status Register XENAX	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
2107	Cycle Time	PROFINET Bus Cycle Time	0x3E8	0x64	0x2710	2	Unsigned 16	x	
2108	Motor Type	rotative				10	Visible_String	x	
2109	LF Limit Force	Limit Force	0x0	0x80000000	0x7FFFFFFF	4	Integer 32	x	
2110	TF Tell Force Actual	Filtered sensor force	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
2572	a_Max	Max. Acceleration (für Tipp-Betr.)	0x989680	0x7D0	0x3B9ACA00	4	Unsigned32		
2585	Tippen 1 v_Soll	Jog 1 Demand Velocity	0x00	0xFA0A1F00	0x05F5E100	4	Integer 32		
2586	Tippen 2 v_Soll	Jog 2 Demand Velocity	0x00	0xFA0A1F00	0x05F5E100	4	Integer 32		
2587	Tippen 1 Weg	Jog 1 Way	0x00	0x00	0x7FFFFFFF	4	Unsigned32		
2588	Tippen 2 Weg	Jog 2 Way	0x00	0x00	0x7FFFFFFF	4	Unsigned32		
2591	Tippen ink	Jog incremental	0x00	0x00	0x01	4	Unsigned32		
3068	PWT	Position Window Time	0x00	0x00	0x3E8	4	Unsigned32		
3073	LIF Limit IForce	Limit IForce	0x00	0x00	0x7D0	4	Unsigned 16		
3550	Webseite Jenny					26	Visible_String	x	
3991	Home-Speed ex	Home Speed for external Home sensor	0x3E8	0x00	0x3D090	4	Unsigned 32		
3992	Home-Speed Z	Z-Speed for internal encoder Z-mark	0x1F4	0x00	0x186A0	4	Unsigned 32		

Parameter Nr.	Name	Description	Default Value	Low Limit	High Limit	Data Length (Byte)	Data Type	Read only	Additional Notes
5000	Direct Commands	Possible values see last page	0x00	0x00	0xFFFFFFFF	4	Unsigned 32		
5101	TS Tell Status		0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5102	TE Tell Error		0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5103	TP Tell Position		0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5104	TT Tell Temp.		0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5105	TOX Tell Out Hex	Tell Output Hex	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5106	TIX Tell In Hex	Tell Input Hex	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5107	TMC Motor Cur		0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5108	TMT Motion Time		0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5109	TCP Pos 1	TCP Tell Captured Position 1	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5110	TCP Pos 2	TCP Tell Captured Position 2	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5111	TCP Pos 3	TCP Tell Captured Position 3	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5112	TCP Pos 4	TCP Tell Captured Position 4	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5113	TCP Pos 5	TCP Tell Captured Position 5	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5114	TCP Pos 6	TCP Tell Captured Position 6	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5115	TCP Pos 7	TCP Tell Captured Position 7	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5116	TCP Pos 8	TCP Tell Captured Position 8	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5117	TH Ref State	TH Tell Reference State	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5118	VER of Firmware	Version of Servocontroller Firmware	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5119	ACV AC Variation	ACV Acceleration Variation	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5120	I2TM Limit Value	I2T Limit Value	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5121	I2T Calc Value	I2T Calculated Value	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5122	IFPK FPK	I_Force Peak (FTM = 0) Force Peak (FTM = 1,2)	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5123	TESM Tell SMU E	SMU Error Number	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5124	DGMSO	Detected Gantry Master Slave Offset	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5125	SIFF SFF	Sector I_Force Curve Failed (FTM = 0) Sector Force Curve Failed (FTM = 1,2)	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5126	IFPKn	IFPKn I Force Peak Sector	0x01	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5127	FCV	FCV Force Calibration Valid	0x02	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5128	TV Tell Velocity	TV Tell Velocity	0x03	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5129	TPT	TPT Tell Process Time	0x04	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5130	VERL	Version of Bootloader	0x05	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5131	TCPB Pos 1	TCP Tell Captured Position Buffer 1	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5132	TCPB Pos 2	TCP Tell Captured Position Buffer 2	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5133	TCPB Pos 3	TCP Tell Captured Position Buffer 3	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5134	TCPB Pos 4	TCP Tell Captured Position Buffer 4	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5135	TCPB Pos 5	TCP Tell Captured Position Buffer 5	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5136	TCPB Pos 6	TCP Tell Captured Position Buffer 6	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5137	TCPB Pos 7	TCP Tell Captured Position Buffer 7	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5138	TCPB Pos 8	TCP Tell Captured Position Buffer 8	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5139	TESMH	SMU Error Number History	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5140	GR	Gear Ratio	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5141	TTPS	Tell Temperature Power Stage (Xvi 75V8S)	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5142	TVPSM	Tell Voltage Power Supply Motor (Xvi 75V8S, returns 0 for o	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5201	CO Clear Output		0x01	0x01	0x08	4	Integer 32		
5202	EVT Event Activ	Event Activation	0x00	0x00	0x01	4	Integer 32		
5203	G Go Immediately		0x00	0x80000000	0x7FFFFFFF	4	Integer 32		
5204	IX Index number	Start Index Number	0x01	0x01	0x32	4	Integer 32		

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5205	PG Program no.	Start Program Number	0x01	0x01	0x3F	4	Integer 32		
5206	SO Set Output	Set Output Number	0x01	0x01	0x08	4	Integer 32		
5207	SOX Set Output	Set Output Hex Mask	0x00	0x00	0xFF	4	Integer 32		
5208	TGD	Set Trigger Position Downward	0x00	0x88CA6C00	0x77359400	4	Integer 32		
5209	TGU	Set Trigger Position Upward	0x00	0x88CA6C00	0x77359400	4	Integer 32		
5210	ETI	Event Track Input	0x00	0x00	0x0C	4	Integer 32		
5211	DTI	Disable Track Input	0x00	0x00	0x0C	4	Integer 32		
5212	PRF	Start Profile Number	0x01	0x01	0x05	4	Integer 32		
5213	CRDA	Cogging Reference Drive Automatic	0x00	0x00	0x7FFFFFFF	4	Integer 32		
5214	DIF	Drive I_Force	0x01	0x01	0x0A	4	Integer 32		
5215	CLIF	Change Limit I_Force	0x00	0x00	0x7D0	4	Integer 32		
5216	DF	Drive Force	0x01	0x01	0x0A	4	Integer 32		
5301	AC Acceleration		0xF4240	0x7D0	0x3B9ACA00	4	Integer 32		
5302	SCRV S-Curve		0x14	0x01	0x64	4	Integer 32		
5303	SP Speed		0x186A0	0x0A	0x05F5E100	4	Integer 32		
5304	PO Position	Position (absolute)	0x00	0x88CA6C00	0x77359400	4	Integer 32		
5305	WA Way	Way (relative)	0x4E20	0x88CA6C00	0x77359400	4	Integer 32		
5306	DP Deviation Pos	Deviation Position	0x7D0	0x01	0x000F4240	4	Integer 32		
5307	DRHR Direc. Ref	Direction Reference	0x00	0x00	0x05	4	Integer 32		
5308	DTP	Deviation Target Position	0x64	0x01	0x2710	4	Integer 32		
5309	ED Emerg. Dec.	Emergency Deceleration	0x989680	0x2710	0x3B9ACA00	4	Integer 32		
5310	ILAS	Input Low Active Selective	0x00	0x00	0x0FFF	4	Integer 32		
5311	ILA	Input Low Active	0x00	0x00	0x02	4	Integer 32		
5312	IS	Stop Current	0x258	0x0A	0x7D0	4	Integer 32		
5313	SLPP	Software Limit Position Positive	0x00	0x80000000	0x7FFFFFFF	4	Integer 32		
5314	SLPN	Software Limit Position Negative	0x00	0x80000000	0x7FFFFFFF	4	Integer 32		
5315	MD Mode		0x00	0x00	0x0D	4	Integer 32		
5316	ML Mass load		0x00	0x00	0x5F5E100	4	Integer 32		
5317	BWS Bandw. Cur	Bandwidth Current Controller	0x5DC	0x05	0x1388	4	Integer 32		
5318	BWP Bandw. Pos	Bandwidth Position Controller	0x32	0x01	0x1388	4	Integer 32		
5319	IR	Run Current	0x4B0	0x0A	0x7D0	4	Integer 32		
5320	NIX Pre. Index N	Preselected Index Number	0x01	0x01	0x32	4	Integer 32		
5321	AIX	Acceleration of selected Index	0x3E8	0x2	0xF4240	4	Integer 32		
5322	SIX	Speed of selected Index	0x186A0	0x0A	0x05F5E100	4	Integer 32		
5323	DIX	Distance of selected Index	0x00	0x88CA6C00	0x77359400	4	Integer 32		
5324	CI Card ID	Card Identifier	0x00	0x00	0xFF	4	Integer 32		
5325	GSID	Gantry Slave Identifier	0x00	0x00	0x04	4	Integer 32		
5326	BWF1	Bandwidth Filter 1	0x1388	0x1F4	0x186A0	4	Integer 32		
5327	FQF1	Frequency Filter 1	0x00	0x00	0x7D0	4	Integer 32		
5328	ICP	Increments per Pulse	0x00	0x00	0x32	4	Integer 32		
5329	INH	Input Home Sensor	0x01	0x01	0x08	4	Integer 32		
5330	OVRD	Speed Override	0x64	0x00	0x64	4	Integer 32		
5331	PWRT	Phasing Rotative without HALL	0x00	0x00	0x01	4	Integer 32		
5332	SOA Out Activity	Set Output Activity	0xFF	0x00	0xFF	4	Integer 32		
5333	SOT Out Type	Set Output Type	0x5555	0x00	0xFFFF	4	Integer 32		
5334	SR	Synchronous Ratio	0x00	0xFFFFFC18	0x3E8	4	Integer 32		
5335	CAB CAN Baud	CAN Baud Rate	0x7A120	0x2710	0xF4240	4	Integer 32		
5336	ROID	Rotative Motor Identifier	0x00	0x00	0x7FFFFFFF	4	Integer 32		
5337	Reserviert		0x00	0x00	0x7FFFFFFF	4	Integer 32		

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5338	Reserviert		0x00	0x80000000	0x7FFFFFFF	4	Integer 32		
5339	SIFS SFS	Sector I_Force Start (FTM = 0) Sector Force Start (FTM = 1,2)	0x00	0x88CA6C00	0x77359400	4	Integer 32		
5340	SIFE SFE	Sector I_Force End (FTM = 0) Sector Force End (FTM = 1,2)	0x00	0x88CA6C00	0x77359400	4	Integer 32		
5341	IFL I_Force Low		0x00	0xFFFFF830	0x7D0	4	Integer 32		
5342	IFH I_Force High		0x00	0xFFFFF830	0x7D0	4	Integer 32		
5343	MLPN	Mechanical limit position negative	0x00	0x80000000	0x7FFFFFFF	4	Integer 32		
5344	MLPP	Mechanical limit position positive	0x00	0x80000000	0x7FFFFFFF	4	Integer 32		
5345	PGMSO	Preset Gantry Master Slave Offset	0x00	0x88CA6C00	0x77359400	4	Integer 32		
5346	BRKD	Break delay	0x64	0x01	0x3E8	4	Integer 32		
5347	Reserviert	Reserviert	0x00	0x00	0x02	4	Integer 32		
5348	LIF	Limit I_Force	0x00	0x00	0x7D0	4	Integer 32		
5349	TYIX	Type of Index	0x01	0x01	0x02	4	Integer 32		
5350	NSEC	Preselected Sector Number	0x01	0x01	0x0A	4	Integer 32		
5351	STCX	Sector Transition Configuration	0x00	0x00	0xFFFF	4	Integer 32		
5352	NDIF NDF	Preselected Drive I_Force Number (FTM = 0) Preselected Drive Force Number (FTM = 1,2)	0x01	0x01	0x0A	4	Integer 32		
5353	ADIF ADF	Acceleration of selected Drive I_Force (FTM = 0) Acceleration of selected Drive Force (FTM = 1,2)	0x3E8	0x02	0xF4240	4	Integer 32		
5354	SDIF SDF	Speed of selected Drive I_Force (FTM = 0) Speed of selected Drive Force (FTM = 1,2)	0x186A0	0x0A	0x5F5E100	4	Integer 32		
5355	IDIF FDF	I_Force Limit of selected Drive I_Force (FTM = 0) Force of selected Drive Force (FTM = 1,2)	0x01	0x01	0x30D40	4	Integer 32		
5356	DDIF DDF	Direction of selected Drive I_Force (FTM = 0) Direction of selected Drive Force (FTM = 1,2)	0x00	0x00	0x01	4	Integer 32		
5357	SSEC	Selected Sectors (binary notation)	0x01	0x00	0x3FF	4	Integer 32		
5358	SSO	Set Sector Offset	0x00	0x80000000	0x7FFFFFFF	4	Integer 32		
5359	ENCPD	ENCPD Encoder Plausibility Checking	0x00	0x00	0x01	4	Integer 32		
5360	SPAD	Set Point ACK disable	0x00	0x00	0x01	4	Integer 32		
5361	RXZP	Rotax Z-Mark Position	0x00	0x00	0x00	4	Integer 32		
5362	DRH	Dir. Home	0x01	0x01	0x02	4	Integer 32		
5363	DRZ	Dir. Z-Mark	0x01	0x01	0x03	4	Integer 32		
5364	FQS	Filter Quality Speed	0x1388	0x1F4	0x186A0	4	Integer 32		
5365	FFS	Filter Frequency Speed	0x00	0x00	0x7D0	4	Integer 32		
5366	EBMD	Enhanced Bandwidth Mode Disable	0x00	0x00	0x01	4	Integer 32		
5367	ACB	Reserved	0x0	0x0	0x3E8	4	Integer 32		
5368	AIXD	Acceleration of selected dynamically Index	0x3E8	0x2	0xF4240	4	Integer 32		
5369	SIXD	Speed of selected dynamically Index	0x186A0	0xA	0x5F5E100	4	Integer 32		
5370	DIXD	Distance of selected dynamically Index	0x0	0x88CA6C00	0x77359400	4	Integer 32		
5371	TYIXD	Type of dynamically Index	0x1	0x1	0x2	4	Integer 32		
5372	PPSD	Pole Placement Stability Dynamics	0x0	0xFFFFFCE	0x32	4	Integer 32		
5373	IFDCS	I_Force Drift Compensation Setting	0x3	0x0	0x7	4	Integer 32		
5374	PIFDC	Reserved	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5375	SORF	Swing Out Reduction Frequency	0x0	0x0	0x3E8	4	Integer 32		
5376	SORD	Swing Out Reduction Damping	0x0	0x0	0x32	4	Integer 32		
5377	CFF	Reserved	0x0	0x0	0x1	4	Integer 32		
5378	CEXD	Reserved	0x0	0x0	0x1	4	Integer 32		
5379	AVF	Filter Frequency for Current Shaper	0x0	0x0	0x7D0	4	Integer 32		
5380	AVD	Damping Ratio for Current Shaper	0x1	0x1	0x32	4	Integer 32		

Parameter Nr.	Name	Description	Default Value	Low Limit	High Limit	Data Length (Byte)	Data Type	Read only	Additional Notes
5381	NOF	Preselected output function	0x1	0x1	0x8	4	Integer 32		
5382	TYOF	Type of output function	0x0	0x0	0x15	4	Integer 32		
5383	NIF	Preselected input function	0x1	0x1	0x8	4	Integer 32		
5384	TYIF	Type of input function	0x0	0x0	0x16	4	Integer 32		
5385	PAIF	Parameter A of input function	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5386	PBIF	Parameter B of input function	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5387	PCIF	Parameter C of input function	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5388	CLF	Change Limit Force	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5389	FDF	Force Of Selected Drive Force	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5390	FH	Force High	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5391	FL	Force Low	0x0	0x80000000	0x7FFFFFFF	4	Integer 32		
5392	FTM	Forceteq Mode	0x0	0x0	0x2	4	Integer 32		
5393	SQBW	Signateq Bandwidth	0x1F4	0x64	0x1388	4	Integer 32		[100, 200, 300, 500, 1000, 2000, 3000, 5000]
5394	MM	Motor Manufacturer	0x0	0x0	0x2	4	Integer 32		
5395	AREF	Automatic Reference	0x0	0x0	0x1	4	Integer 32		
5396	EGMSO	Enable user defined gantry Master/Slave offset	0x0	0x0	0x1	4	Integer 32		
5397	VMTAE	Virtual multturn for rotative motors with absolute encoder	0x0	0x0	0x7FFFFFFF	4	Integer 32		
5401	POL Pole Pairs		0x00	0x00	0x64	4	Integer 32		
5402	ENC	Encoder Increments	0x5DC0	0x0A	0x989680	4	Integer 32		
5403	PHD Phase Direc.	Phase Direction	0x00	0x00	0x01	4	Integer 32		
5404	PHO Phase Off.	Phase Offset	0x00	0x00	0x167	4	Integer 32		
5405	MAMO Mass Motor	Mass Motor (Linax)	0x00	0x00	0x989680	4	Integer 32		
5406	FCM	Force Constant of Motor	0x00	0x00	0x5F5E100	4	Integer 32		
5407	LPH Inductivity	Inductivity Phase-Phase	0x00	0x00	0x186A0	4	Integer 32		
5408	RPH Resistance	Resistance Phase-Phase	0x00	0x00	0x186A0	4	Integer 32		
5409	FFDY	Frictional Force Dynamic	0x00	0x00	0x2710	4	Integer 32		
5410	FFST	Frictional Force Static	0x00	0x00	0x2710	4	Integer 32		
5411	DMLPP	Detected Mechanical Limit Position Pos.	0x00	0x00	0x7FFFFFFF	4	Integer 32		
5501	VERS	Version SMU	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5502	Timeout SLS	Timeout SLS	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5503	Speed SLS	Speed Limit SLS	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5504	Timeout Stop	Timeout Stop	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5505	Postition window	Postition window	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5506	SFTRD	SFTRD Input Configuration SMU	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5507	TESM	Tell SMU Error	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5508	Master Error Bit	SMU Master Error Bitfeld	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5509	Slave Error Bit	SMU Slave Error Bitfeld	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5510	Master Info Bit	SMU Master Info Bitfeld	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5511	Slave Info Bit	SMU Slave Info Bitfeld	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5512	SPC	Safety Parameter CRC	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5513	SPMAC	Safety Parameter and Mac Address CRC	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5601	EGW	EGW Set Gateway Address	0xC0A80201	0x80000000	0x7FFFFFFF	4	Integer 32		
5602	EIP	EIP Set IP Address	0xC0A80264	0x80000000	0x7FFFFFFF	4	Integer 32		
5603	ENM	ENM Set Net Mask	0xFFFFFC00	0x80000000	0x7FFFFFFF	4	Integer 32		
5604	EMAC 3 high Byte	EMAC Read MAC Address 3 high Bytes	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5605	EMAC 3 low Byte	EMAC Read MAC Address 3 low Bytes	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5606	EPRT	EPRT Set Port Number	0x2711	0x01	0x000FFFFF	4	Integer 32		
5607	LICR	LICR Show Installed Licences	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	

Parameter Nr.	Name	Description	Default Value	Low Limit	High Limit	Data Length (Byte)	Data Type	Read only	Additional Notes
5608	SERB	SERB Set Baud Rate on Serial Interface	0x1C200	0x2580	0x00054600	4	Integer 32		
5609	WebMotion Vers.	WebMotion Version Application	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
5610	WebMotion Boot	WebMotion Version Bootloader	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
6001	SQVER	Signateq Firmware Version	0x00	0x80000000	0x7FFFFFFF	4	Integer 32	x	
6002	SQBW	Signateq Bandwidth	0x1F4	0x64	0x1388	4	Integer 32		[100, 200, 300, 500, 1000, 2000, 3000, 5000]
6003	SQSNF	Signateq Sensor Nominal Force	0x00	0x00	0x30D40	4	Integer 32		
6004	SQMRP	Signateq Measurement Range Positive	0x00	0xFFFFCF2C0	0x30D40	4	Integer 32		
6005	SQMRN	Signateq Measurement Range Negative	0x00	0xFFFFCF2C0	0x30D40	4	Integer 32		
6006	SQSS	Signateq Sensor Sensitivity	0x00	0x00	0x17D7840	4	Integer 32		
6007	SQSFT	Signateq Sensor Force Type	0x00	0x00	0x02	4	Integer 32		
6008	SQOM	Signateq Operation Mode	0x00	0x00	0x02	4	Integer 32		
6009	SQFD	Signateq Force Direction	0x00	0x00	0x02	4	Integer 32		
6010	LFRMS	Limit Force Reached Maximum Speed	0x00	0x00	0x895440	4	Integer 32		
6011	CLFO	Clear Force Offset (Xvi 75V8S)	0x0	0x0	0x1	4	Integer 32		
6012	SQAC	Read Signateq Available Calibrations (Xvi 75V8S)	0x0	0x0	0x7	4	Integer 32	x	
6013	BWFP	Bandwidth for forceteq pro controller	0x32	0x1	0x3E8	4	Integer 32		
6014	FTPES	Forcteq Pro Elastic Spring Constant	0x3E8	0x1	0x989680	4	Integer 32		
6100	SQSMT	Signateq Sensor Model Type	none			30	Visible_String		
6200	SQSSN	Signateq Sensor Serial Number	none			30	Visible_String		
61000	NameOfStation	PROFINET Device Name	-	-	-	240	OctetString[240]		
61001	IpOfStation	PROFINET IP Adresse XENAX	-	-	-	4	Unsigned 32		
61002	MacOfStation	MAC Adresse PROFINET Busmodul	-	-	-	6	OctetString[6]		
61003	StandardGatewayOfStation	PROFINET Standard Gateway XENAX	-	-	-	4	Unsigned 32		
61004	SubnetMaskOfStation	PROFINET Subnet Mask XENAX	-	-	-	4	Unsigned 32		

Parameter Nr.	Name	Description	Default Value	Low Limit	High Limit	Data Length (Byte)	Data Type	Read only	Additional Notes
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Direct commands values

Ref/Power	
0x1000	Reference
0x1020	RSTO Limit stop, mechanical reference for Linux
0x1030	MLC Mechanical Limit Calibration
0x1040	reserved
0x1050	reserved
Power	
0x2000	PW Power On (for ROTAX® and third party motors only)
0x2010	PWC Power continues at actual position (linear motor axes, after error, or after PQ)
0x2020	PWR Power Reset (search electrical angle, phasing, for test only)
0x2030	PQ Power Quit
Motion	
0x3000	GP Go Position
0x3010	GW Go Way
0x3020	JP Jog Positive
0x3030	JP Jog Negative
0x3040	SM Stop Motion
0x3050	GZ Rotate to Z-Mark
0x3060	reserved
Force Calibration	
0x4000	FC Force Calibration (distance parameter is "WA" Parameter Nr. 5305)
0x4001	FCT1 Force Calibration Test Mode on (with activate compensation)
0x4002	FCT0 Force Calibration Test Mode off (position controller active)
0x4003	FCT2 Force Calibration Test Mode on (without active compensation)
0x4010	IFDCP Automatic I_Force Drift Compensation Drive in positive direction
0x4011	IFDCP Automatic I_Force Drift Compensation Drive in negative direction
Init	
0x5000	RES Reset
0x5001	RESM Reset Motor Specific Settings
0x5010	CLCP Clear all Captured Positions
0x5015	CP12 Captured Position Input 12 on (Xvi 75V8 or Xvi 75V8S / CP4 Captured Position Input 4 on (Xvi 48V8)
0x5016	CP12 Captured Position Input 12 off (Xvi 75V8 or Xvi 75V8S / CP4 Captured Position Input 4 off (Xvi 48V8)
0x5020	CLPO Clear position counter (only rotative motors)
0x5030	DMBUS Deactivate Motion Blocking by Unconfigured SMU
Force Control	
0x6000	Start force monitoring in cyclic synchronized position mode
0x6001	Finish force monitoring in cyclic synchronized position mode. Drive since last start command 0x6000 will be analysed, for example bit 7 in PSR (Force in Sector) gets valid value
0x6002	TPSO Take Position as Sector Offset
0x6010	CLFO Clear Force Offset