

10247	0x2807	[Third Party Motor] Maximum Speed	0x2805	UINT	5000	1	60000	rpm	RW
10248	0x2808	[Third Party Motor] Inertia	0x2806	FP32	0.321	-	-	Kg	RW
10250	0x280A	[Third Party Motor] Torque Constant	0x2807	FP32	0.46	-	-	Kg.m2. 10-4	RW
10252	0x280C	[Third Party Motor] Phase Resistance	0x2808	FP32	0.82	-	-	ohm	RW
10254	0x280E	[Third Party Motor] Phase Inductance	0x2809	FP32	3.66	0	1000	Mh	RW
10256	0x2810	[Third Party Motor] TN Curve Data 1	0x280A	UINT	3000	1	60000	rpm	RW
10258	0x2812	[Third Party Motor] TN Curve Data 2	0x280B	FP32	100	-	-	%	RW
10260	0x2814	[Third Party Motor] Hall Offset	0x280C	UINT	0	0	360	deg	RW

Table 43. 3<sup>rd</sup> Party Motor Parameters

### 4.3.10 CiA402 Parameters

communication address		parameter name	parameter No.	Variable Format	Default Value	Min	Max	Unit	Accessibility
decimal	hexadecimal								
24576	0x6000	Error Code	0x603F	UINT	0	-	-	-	RO
24577	0x6001	Control word	0x6040	UINT	0	0	65535	-	RW
24578	0x6002	Status word	0x6041	UINT	-	-	-	-	RO
24579	0x6003	Quick Stop Option Code	0x605A	INT	2	0	4	-	RW
24580	0x6004	Shutdown Option Code	0x605B	INT	0	1	1	-	RW
24581	0x6005	Disable Operation Option Code	0x605C	INT	1	0	1	-	RW
24582	0x6006	Halt Option Code	0x605D	INT	0	0	4	-	RW
24583	0x6007	Fault Reaction Option Code	0x605E	INT	0	0	0	-	RW
24584	0x6008	Modes of Operation	0x6060	SINT	-1	-1	10	-	RW
24585	0x6009	Modes of Operation Display	0x6061	SINT	-	-	-	-	RO
24586	0x600A	Position Demand Value	0x6062	DINT	-	-	-	UU	RO
24588	0x600C	Position Actual Internal Value	0x6063	DINT	-	-	-	Pulse	RO
24590	0x600E	Position Actual Value	0x6064	DINT	-	-	-	UU	RO
24592	0x6010	Following Error Window	0x6065	UDINT	600000	0	1073741823	UU	RW
24594	0x6012	Following Error Timeout	0x6066	UINT	0	0	65535	ms	RW
24595	0x6013	Position Window	0x6067	UDINT	100	0	1073741823	UU	RW
24597	0x6015	Position Window Time	0x6068	UINT	0	0-	65535	ms	RW
24598	0x6016	Speed Demand Value	0x606B	DINT	-	-	-	UU/s	RO
24600	0x6018	Speed Actual Value	0x606C	DINT	-	-	-	UU/s	RO
24602	0x601A	Speed Window	0x606D	UINT	20000	0	65535	UU/s	RW
24603	0x601B	Speed Window Time	0x606E	UINT	0	0	65535	ms	RW
24604	0x601C	Target Torque	0x6071	INT	0	-5000	5000	0.1%	RW
24605	0x601D	Maximum Torque	0x6072	UINT	3000	0	5000	0.1%	RW
24606	0x601E	Torque Demand Value	0x6074	INT	-	-	-	0.1%	RO
24607	0x601F	Motor Rated Torque	0x6076	UDINT	-	-	-	mNm	RO



24609	0x6021	Torque Actual Value	0x6077	INT	-	-	-	0.1%	RO
24610	0x6022	Target Position	0x607A	DINT	0	21474 83648	2147483 647	UU	RW
24612	0x6024	Home Offset	0x607C	DINT	0	53687 0912	5368709 11	UU	RW
24616	0x6028	Software Position Limit (Min)	0x607D:01	DINT	2000000 0000	10737 41824	1073741 824	UU	RW
24618	0x602A	Software Position Limit (Max)	0x607D:02	DINT	2000000 0000	10737 41824	1073741 824	UU	RW
24620	0x602C	Max Profile Speed	0x607F	DINT	0x7FFFF FFF	0	0x7FFFF FFF	UU/s	RW
24622	0x602E	Profile Speed	0x6081	DINT	200000	0	0x7FFFF FFF	UU/s	RW
24624	0x6030	Profile Acceleration	0x6083	DINT	200000	0	0x7FFFF FFF	UU/s <sup>2</sup>	RW
24626	0x6032	Profile Deceleration	0x6084	DINT	200000	0	0x7FFFF FFF	UU/s <sup>2</sup>	RW
24628	0x6034	Quick Stop Deceleration	0x6085	DINT	2000	0	0x7FFFF FFF	UU/s <sup>2</sup>	RW
24630	0x6038	Torque Slope	0x6087	DINT	1000	0	0x7FFFF FFF	0.1%/s	RW
24634	0x603A	Gear Ratio (Motor revolutions)	0x6091:01	UDINT	1	0	0x40000 000	-	RW
24636	0x603C	Gear Ratio (Shaft revolutions)	0x6091:02	UDINT	1	0	0x40000 000	-	RW
24638	0x603E	Homing Method	0x6098	INT	34	-128	127	-	RW
24641	0x6041	Homing Speed (switch)	0x6099:01	DINT	500000	0	0x40000 000	UU/s	RW
24643	0x6043	Homing Speed (zero)	0x6099:02	DINT	100000	0	0x40000 000	UU/s	RW
24645	0x6045	Homing Acceleration	0x609A	UDINT	200000	0	0x40000 000	UU/s <sup>2</sup>	RW
24647	0x6047	Position Offset	0x60B0	DINT	0	21474 83648	2147483 648	UU	RW
24649	0x6049	Speed Offset	0x60B1	DINT	0	21474 83648	2147483 648	UU/s	RW
24651	0x604B	Torque Offset	0x60B2	INT	0	-5000	5000	0.1%	RW
24652	0x604C	Touch Probe Function	0x60B8	UINT	0x0033	0	0xFFFF	-	RW
24653	0x604D	Touch Probe Status	0x60B9	UINT	-	-	-	-	RO
24654	0x604E	Touch Prove 1 Positive Edge Position Value	0x60BA	DINT	-	-	-	UU	RO
24656	0x6050	Touch Prove 1 Negative Edge Position Value	0x60BB	DINT	-	-	-	UU	RO
24658	0x6052	Touch Prove 2 Positive Edge Position Value	0x60BC	DINT	-	-	-	UU	RO
24660	0x6054	Touch Prove 2 Negative Edge Position Value	0x60BD	DINT	-	-	-	UU	RO
24668	0x605C	Positive Torque Limit Value	0x60E0	UINT	1000	0	5000	0.1%	RW
24669	0x605D	Negative Torque Limit Value	0x60E1	UINT	1000	0	5000	0.1%	RW
24670	0x605E	Following Error Actual Value	0x60F4	DINT	-	-	-	UU	RO
24672	0x6060	Position Demand Internal Value	0x60FC	DINT	-	-	-	Pulse	RO
24674	0x6062	Digital Inputs	0x60FD	UDINT	-	-	-	-	RO
24678	0x6066	Digital Outputs (Physical)	0x60FE:01	DINT	0	0	0xFFFF FFFF	-	RW



24680	0x6068	Digital Outputs (Bit mask)	0x60FE:02	DINT	0	0	0xFFFF FFFF	-	RW
24682	0x606A	Target Speed	0x60FF	DINT	0	- 21474 83648	2147483 648	UU/s	RW
24683	0x606C	Supported Drive Modes	0x6502	UDINT	0x00000 3AD	-	-	-	RO

Table 44. CiA402 Parameters

### 4.3.11 Index Related Parameters

communication address		parameter name	parameter No.	Variable Format	Default Value	Min	Max	Unit	Accessibility
decimal	hexadecimal								
12288	0x3000	Control Mode	0x3000	UINT	0	0	1	-	RW
12289	0x3001	Coordinate Select	0x3001	UINT	0	0	1	-	RW
12290	0x3002	Baud Rate Select	0x3002	UINT	0	0	4	-	RW
12291	0x3003	Pulse Input Logic Select	0x3003	UINT	0	0	5	-	RW
12292	0x3004	Pulse Input Filter Select	0x3004	UINT	0	0	4	-	RW
12293	0x3005	PCLEAR Mode Select	0x3005	UINT	0	0	2	-	RW
12294	0x3006	Encoder Output Pulse	0x3006	UDINT	10000	0	2147483 647	-	RW
12296	0x3008	Encoder Output Mode	0x3007	UINT	0	0	1	-	RW
12297	0x3009	Start Index Number(0~63)	0x3008	UINT	0	0	63	-	RW
12298	0x300A	Index Buffer Mode	0x3009	UINT	0	0	1	-	RW
12544	0x3100	Index00	0x3100	-	-	-	-	-	RW
12562	0x3112	Index01	0x3101	-	-	-	-	-	RW
12580	0x3124	Index02	0x3102	-	-	-	-	-	RW
12598	0x3136	Index03	0x3103	-	-	-	-	-	RW
12616	0x3148	Index04	0x3104	-	-	-	-	-	RW
12634	0x315A	Index05	0x3105	-	-	-	-	-	RW
12652	0x316C	Index06	0x3106	-	-	-	-	-	RW
12670	0x317E	Index07	0x3107	-	-	-	-	-	RW
12688	0x3190	Index08	0x3108	-	-	-	-	-	RW
12706	0x31A2	Index09	0x3109	-	-	-	-	-	RW
12724	0x31B4	Index10	0x310A	-	-	-	-	-	RW
12742	0x31C6	Index11	0x310B	-	-	-	-	-	RW
12760	0x31D8	Index12	0x310C	-	-	-	-	-	RW
12778	0x31EA	Index13	0x310D	-	-	-	-	-	RW
12796	0x31FC	Index14	0x310E	-	-	-	-	-	RW
12814	0x320E	Index15	0x310F	-	-	-	-	-	RW
12832	0x3220	Index16	0x3110	-	-	-	-	-	RW
12850	0x3232	Index17	0x3111	-	-	-	-	-	RW
12868	0x3244	Index18	0x3112	-	-	-	-	-	RW
12886	0x3256	Index19	0x3113	-	-	-	-	-	RW
12904	0x3268	Index20	0x3114	-	-	-	-	-	RW
12922	0x327A	Index21	0x3115	-	-	-	-	-	RW
12940	0x328C	Index22	0x3116	-	-	-	-	-	RW
12958	0x329E	Index23	0x3117	-	-	-	-	-	RW
12976	0x32B0	Index24	0x3118	-	-	-	-	-	RW
12994	0x32C2	Index25	0x3119	-	-	-	-	-	RW
13012	0x32D4	Index26	0x311A	-	-	-	-	-	RW
13030	0x32E6	Index27	0x311B	-	-	-	-	-	RW
13048	0x32F8	Index28	0x311C	-	-	-	-	-	RW
13066	0x330A	Index29	0x311D	-	-	-	-	-	RW
13084	0x331C	Index30	0x311E	-	-	-	-	-	RW
13102	0x332E	Index31	0x311F	-	-	-	-	-	RW
13120	0x3340	Index32	0x3120	-	-	-	-	-	RW