

MCT 10 Set-up Software

MCT 10 Set-up Software Projekt -- 779_MAINDRIVE_IE2_V3_Vector.ssp

Thursday, October 16, 2014

Group Folder: Projekt

Drive Name: 779_IE2_VectorControl

	Connected Drive Information	Database Information
Drive Series:	FC-302	FC-302
Drive Type:	3.00KW (P3K0) 380V-500V	3.00KW (P3K0) 380V-500V
SW Version:	05.55	05.55
Option A	No Option	No Option
Option B	No Option	No Option
Option C0/E0	No Option	No Option
Option C1/E1	No Option	No Option
Drive Address: 1		
Driver Name: USB 1		
Description		

Parameter Group: 0-** Operation / Display

ID	Name	Setup 1	Unit
001	Language	Deutsch	
002	Motor Speed Unit	Hz	
011	Edit Set-up	Set-up 1	
014	Readout: Edit Set-ups / ChanrAAAAA1AAhex		
041	[Off] Key on LCP	Disabled	

Parameter Group: 1-** Load and Motor

ID	Name	Setup 1	Unit
101	Motor Control Principle	Flux sensorless	
120	Motor Power [kW]	2.20	kW
121	Motor Power [HP]	2.95	hp
124	Motor Current	4.75	A
125	Motor Nominal Speed	1440	RPM
130	Stator Resistance (Rs)	3.1415	Ohm
131	Rotor Resistance (Rr)	1.6755	Ohm
133	Stator Leakage Reactance (Xl3.3470		Ohm
134	Rotor Leakage Reactance (Xl23.3470		Ohm
135	Main Reactance (Xh)	76.3200	Ohm
136	Iron Loss Resistance (Rfe)	1,803.904	Ohm
153	Model Shift Frequency	10.0	Hz
168	Minimum Inertia	0.0024	kgm ²
169	Maximum Inertia	0.0049	kgm ²
190	Motor Thermal Protection	Thermistor trip	
193	Thermistor Resource	Digital input 32	

Parameter Group: 2-** Brakes

ID	Name	Setup 1	Unit
202	DC Braking Time	0.1	s
211	Brake Resistor (ohm)	136	Ohm
216	AC brake Max. Current	200.0	%
217	Over-voltage Control	Enabled	

Parameter Group: 3-** Reference / Ramps

ID	Name	Setup 1	Unit
301	Reference/Feedback Unit	Hz	
303	Maximum Reference	60.000	RPM
341	Ramp 1 Ramp up Time	2.00	s

342	Ramp 1 Ramp Down Time	1.00	s
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Parameter Group: 4- Limits / Warnings**

ID	Name	Setup 1	Unit
416	Torque Limit Motor Mode	200.0	%
417	Torque Limit Generator Mode	200.0	%
418	Current Limit	200.0	%
458	Missing Motor Phase Function Trip	100 ms	

Parameter Group: 5- Digital In/Out**

ID	Name	Setup 1	Unit
501	Terminal 27 Mode	Output	
502	Terminal 29 Mode	Output	
511	Terminal 19 Digital Input	Reset	
519	Terminal 37 Safe Stop	Safe Stop Warning	
530	Terminal 27 Digital Output	Drive ready	
531	Terminal 29 Digital Output	Ready,no thermal W	
540.0	Function Relay	Safe stop active	
553	Term. 29 High Ref./Feedb. Va	50.000	RPM
558	Term. 33 High Ref./Feedb. Va	50.000	RPM

Parameter Group: 6- Analog In/Out**

ID	Name	Setup 1	Unit
615	Terminal 53 High Ref./Feedb.	50.000	RPM
625	Terminal 54 High Ref./Feedb.	50.000	RPM

Parameter Group: 7- Controllers**

ID	Name	Setup 1	Unit
703	Speed PID Integral Time	200.0	ms
704	Speed PID Differentiation Time	0.0	ms
750	Process PID Extended PID	Enabled	