



25.03.2021

PPU-E55 Z-Axis (MSA111C-DQ)			
Name	Bezeichnung	Value	Unit
p300	Motor type selection	4	
p301	Motor code number selection	0	
p305	Rated motor current	4,70	Aeff
p311	Rated motor velocity	150,00	m/min
p315	Motor pole pair width	28,10	mm
p316	Motor force constant	112,00	N/Aeff
p322	Motor maximum velocity	300,00	m/min
p323	Maximum motor current	17,00	Aeff
p338	Motor limit current	17,00	Aeff
p341	Motor weight	10,40	kg
p312	Rated motor force	525,00	N
p317	Motor voltage constant	105,00	Veff s/m
p318	Motor stall current	4,70	Aeff
p319	Motor stall force	525,00	N
p320	Motor rated magnetizing current/short-circuit current	0,001	Aeff
p325	Motor pole position identification current 1st phase	0,000	
p326	Motor stall force correction factor	100,00	%
p327	Optimum motor load angle	90,00	°
p328	Motor reluctance force constant	0,00	mH
p329	Motor pole position identification current	12,00	Aeff
p348	Velocity at the start of field weakening Vdc = 600 V	300,00	m/min
p391	Current controller adaptation starting point KP	4,80	Aeff
p392	Current controller adaptation starting point KP adapted	17,00	Aeff
p393	Current controller adaptation p gain adaptation	30,00	%
p350	Motor stator resistance cold	4,30	Ohm
p356	Motor stator leakage inductance	48,00	mH
p604	Mot_temp_mod 2/sensor alarm threshold	85,00	°C
p605	Mot_temp_mod 1/2 threshold	90,00	°C
p606	Mot_temp_mod 2/sensor timer	1,00	s
p611	I2t model thermal time constant	30,00	s
p612.0	Activate mot_temp_mod 1 (I2t)	1,00	
p615	Mot_temp_mod 1 (I2t) fault threshold	90,00	°C
p1980	PolID technique	1	
p1981	PolID distance max	30	°