



12.03.2025

PPU-E55 Y-Axis (MSA111C-DQ)			
Name	Bezeichnung	Value	Unit
p300	Motor type selection	4	
p301	Motor code number selection	0	
p305	Rated motor current	2,00	Aeff
p311	Rated motor velocity	150,00	m/min
p315	Motor pole pair width	28,10	mm
p316	Motor force constant	82,00	N/Aeff
p322	Motor maximum velocity	300,00	m/min
p323	Maximum motor current	8,00	Aeff
p338	Motor limit current	8,00	Aeff
p341	Motor weight	5,00	kg
p312	Rated motor force	160,00	N
p317	Motor voltage constant	75,00	Veff s/m
p318	Motor stall current	2,00	Aeff
p319	Motor stall force	160,00	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	4,00	Aeff
p348	Velocity at the start of field weakening Vdc = 600 V	300,00	m/min
p391	Current controller adaptation starting point KP	2,40	Aeff
p392	Current controller adaptation starting point KP adapted	8,00	Aeff
p393	Current controller adaptation p gain adaptation	30,00	%
p350	Motor stator resistance cold	28,10	Ohm
p356	Motor stator leakage inductance	345,00	mH
p604	Mot_temp_mod 2: sensor alarm threshold	85,00	°C
p605	Mot_temp_mod 1/2 sensor threshold and temperature value	90,00	°C
p606	Mot_temp_mod 2: sensor timer	1,00	s
p611	I2t motor 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	
p1752	Motor model changeover speed operation with encoder	1	m/min
p1980	PolID technique	30	
p1981	PolID distance max	0	°