



ERT50 with brake			
Name	Bezeichnung	Value	Unit
p300	Motor type selection	2	
p301	Motor code number selection	0	
p305	Rated motor current	2,44	Aeff
p311	Rated motor speed	350,00	1/min
p314	Motor pole pair	14,00	
p316	Motor torque constant	2,90	Nm/Aeff
p322	Motor maximum speed	350,00	1/min
p323	Maximum motor current	8,54	Aeff
p338	Motor limit current	8,54	Aeff
p341	Motor moment of inertia	0,0039	kgm ²
p312	Rated motor torque	7,04	Nm
p318	Motor stall current	2,44	Aeff
p319	Motor stall torque	7,04	Nm
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	6,00	Aeff
p348	Speed at the start of field weakening Vdc = 600 V	600,00	1/min
p391	Current controller adaptation starting point KP	2,44	Aeff
p392	Current controller adaptation starting point KP adapted	8,54	Aeff
p393	Current controller adaptation p gain adaptation	30,00	%
p350	Motor stator resistance cold	4,68	Ohm
p356	Motor stator leakage inductance	5,90	mH
p600	Motor temperature sensor for monitoring	1	
p601	Motor temperature sensor type	6	
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	0,10	s
p611	I2t motor model thermal time constant	5,00	s
p612.0	Activate mot_temp_mod 1 (I2t)	1	
p615	Mot_temp_mod 1 (I2t) fault threshold	90,00	°C
p1980	PolID technique	1	
p1981	PolID distance max	30	°