



ERS170 DDF			
Name	Bezeichnung	Value	Unit
p300	Motor type selection	2	
p301	Motor code number selection	0	
p305	Rated motor current	1,45	Aeff
p311	Rated motor speed	250,00	1/min
p314	Motor pole pair	15,00	
p316	Motor torque constant	3,60	Nm/Aeff
p322	Motor maximum speed	250,00	1/min
p323	Maximum motor current	5,98	Aeff
p338	Motor limit current	5,98	Aeff
p341	Motor moment of inertia	0,0038	kgm ²
p312	Rated motor torque	5,00	Nm
p318	Motor stall current	1,07	Aeff
p319	Motor stall torque	3,50	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	0,50	Aeff
p348	Speed at the start of field weakening Vdc = 600 V	3000,00	1/min
p391	Current controller adaptation starting point KP	2,30	Aeff
p392	Current controller adaptation starting point KP adapted	5,40	Aeff
p393	Current controller adaptation p gain adaptation	30,00	%
p350	Motor stator resistance cold	12,60	Ohm
p356	Motor stator leakage inductance	20,23	mH
p408	Rotary encoder pulse number	216	
p600	Motor temperature sensor for monitoring	1	
p601	Motor temperature sensor type	10	
p4601	Motor temperature sensor 2 sensor type	20	
p604	Mot_temp_mod 2/sensor alarm threshold	90,00	°C
p605	Mot_temp_mod 1/2 threshold	95,00	°C
p606	Mot_temp_mod 2/sensor timer	0,10	s
p611	I2t motor model thermal time constant	4,00	s
p612.0	Activate mot_temp_mod 1 (I2t)	1,00	
p615	Mot_temp_mod 1 (I2t) fault threshold	95,00	°C
p1980	PolID technique	1	
p1981	PolID distance max	30	°
p1982	PolID selection	1	