

MICROMASTER_440.MICROMASTER_440

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MICROMASTER 440 V1.1x

engomadora

Expert list

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Parameter	Parameter text	Value MICROMASTER_440	Unit
r2	Drive state	Commissioning mode (P0010 != 0) (0)	-
p3	User access level	Expert: For expert use only. (3)	-
p4	Parameter filter	All parameters (0)	-
p5[0]	Display selection, 1st. Drive data set (DDS)	27	-
p6	Display mode	In all states just display P0005 (4)	-
p7	Backlight delay time	0	-
p10	Commissioning parameter filter	Ready (0)	-
p11	Lock for user defined parameter	0	-
p12	Key for user defined parameter	0	-
p13[0]	User defined parameter	0	-
r18	Firmware version	0.00	-
r19	CO/BO: BOP control word	0H	-
r20	CO: Act. frequency setpoint	0.00	Hz
r21	CO: Act. frequency	0.00	Hz
r22	Act. rotor speed	0	rpm
r24	CO: Act. output frequency	0.00	Hz
r25	CO: Act. output voltage	0	V
r26	CO: Act. DC-link voltage	0	V
r27	CO: Act. output current	0.00	A
r29	CO: Flux gen. current	0.00	A
r30	CO: Torque gen. current	0.00	A
r31	CO: Act. torque	0.00	Nm
r32	CO: Act. power	0.00	-
r35[0]	CO: Act. motor temperature	0	°C
r37[0]	CO: Inverter temperature [°C], Measured heat sink temperature	0	°C
r38	CO: Act. power factor	0.000	-
r39	CO: Energy consumpt. meter [kWh]	0.0	kWh
p40	Reset energy consumption meter	No reset (0)	-
r50	CO: Active command data set	1st. Command data set (CDS) (0)	-
r51[0]	CO: Active drive data set, Selected drive data set	1st. Drive data set (DDS) (0)	-
r52	CO/BO: Act. status word 1	0H	-
r53	CO/BO: Act. status word 2	0H	-
r54	CO/BO: Act. control word 1	0H	-
r55	CO/BO: Add. act. control word	0H	-
r56	CO/BO: Status of motor control	0H	-
r62	CO: Freq. setpoint	0.00	Hz
r63	CO: Act. frequency	0.00	Hz
r64	CO: Dev. frequency controller	0.00	Hz
r65	CO: Slip frequency	0.00	%
r66	CO: Act. output frequency	0.00	Hz
r67	CO: Act. output current limit	0.00	A
r68	CO: Output current	0.00	A
r70	CO: Act. DC-link voltage	0	V
r71	CO: Max. output voltage	0.0	V
r72	CO: Act. output voltage	0.0	V
r75	CO: Current setpoint Isd	0.00	A
r76	CO: Act. current Isd	0.00	A
r77	CO: Current setpoint Isq	0.00	A

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r78	CO: Act. current Isq	0.00	A	
r79	CO: Torque setpoint (total)	0.00	Nm	
r86	CO: Act. active current	0.00	A	
p95[0]	CI: Display PZD signals, 1st. PZD signal	0	-	
r96[0]	PZD signals, 1st. PZD signal	0.00	%	
p100	Europe / North America	North America [hp], frequency default 60 Hz (1)	-	
r200	Act. power stack code number	0	-	
p201	Power stack code number	66	-	
r203	Act. inverter type	MICROMASTER 440 (2)	-	
r204	Power stack features	0H	-	
p205	Inverter application	Variable torque (1)	-	
r206	Rated inverter power [kW] / [hp]	0.00	-	
r207	Rated inverter current	0.00	A	
r208	Rated inverter voltage	0	V	
r209	Maximum inverter current	0.00	A	
p210	Supply voltage	230	V	
r231[0]	Max. cable length, Max. allowed unscreened cable length	0	m	
p290	Inverter overload reaction	Reduce pulse frequency and output frequency (2)	-	
p292	Inverter overload warning	15	°C	
p295	Inverter fan off delay time	0	s	
p300[0]	Select motor type, 1st. Drive data set (DDS)	Asynchronous rotational motor (1)	-	
p304[0]	Rated motor voltage, 1st. Drive data set (DDS)	230	V	
p305[0]	Rated motor current, 1st. Drive data set (DDS)	36.00	A	
p307[0]	Rated motor power, 1st. Drive data set (DDS)	15.00	-	
p308[0]	Rated motor cosPhi, 1st. Drive data set (DDS)	0.000	-	
p309[0]	Rated motor efficiency, 1st. Drive data set (DDS)	86.5	%	
p310[0]	Rated motor frequency, 1st. Drive data set (DDS)	60.00	Hz	
p311[0]	Rated motor speed, 1st. Drive data set (DDS)	1735	rpm	
r313[0]	Motor pole pairs, 1st. Drive data set (DDS)	0	-	
p320[0]	Motor magnetizing current, 1st. Drive data set (DDS)	0.0	%	
r330[0]	Rated motor slip, 1st. Drive data set (DDS)	0.00	%	
r331[0]	Rated magnetization current, 1st. Drive data set (DDS)	0.000	A	
r332[0]	Rated power factor, 1st. Drive data set (DDS)	0.000	-	
r333[0]	Rated motor torque, 1st. Drive data set (DDS)	0.00	Nm	
p335[0]	Motor cooling, 1st. Drive data set (DDS)	Self-cooled: Using shaft mounted fan attached to motor (0)	-	
p340[0]	Calculation of motor parameters, 1st. Drive data set (DDS)	Complete parameterization (1)	-	
p341[0]	Motor inertia [kg*m^2], 1st. Drive data set (DDS)	0.06020	-	
p342[0]	Inertia ratio total/motor, 1st. Drive data set (DDS)	1.000	-	
p344[0]	Motor weight, 1st. Drive data set (DDS)	86.3	kg	
r345[0]	Motor start-up time, 1st. Drive data set (DDS)	0.000	s	
p346[0]	Magnetization time, 1st. Drive data set (DDS)	0.309	s	
p347[0]	Demagnetization time, 1st. Drive data set (DDS)	0.722	s	
p350[0]	Stator resistance (line-to-line), 1st. Drive data set (DDS)	0.34450	Ohm	
p352[0]	Cable resistance, 1st. Drive data set (DDS)	0.02870	Ohm	
r384[0]	Rotor time constant, 1st. Drive data set (DDS)	0	ms	
r395	CO: Total stator resistance [%]	0.00	%	
r396	CO: Act. rotor resistance	0.00	%	
p601[0]	Motor temperature sensor, 1st. Drive data set (DDS)	No sensor (0)	-	

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1	2	3	4
p604[0]	Threshold motor temperature, 1st. Drive data set (DDS)	130.0	°C
p610[0]	Motor I2t temperature reaction	Warning and trip (F0011) (2)	-
p625[0]	Ambient motor temperature, 1st. Drive data set (DDS)	35.0	°C
p640[0]	Motor overload factor [%], 1st. Drive data set (DDS)	150.0	%
p700[0]	Selection of command source, 1st. Command data set (CDS)	Terminal (2)	-
p701[0]	Function of digital input 1, 1st. Command data set (CDS)	ON/OFF1 (1)	-
p702[0]	Function of digital input 2, 1st. Command data set (CDS)	Enable BICO parameterization (99)	-
p703[0]	Function of digital input 3, 1st. Command data set (CDS)	Fault acknowledge (9)	-
p704[0]	Function of digital input 4, 1st. Command data set (CDS)	Digital input disabled (0)	-
p705[0]	Function of digital input 5, 1st. Command data set (CDS)	Digital input disabled (0)	-
p706[0]	Function of digital input 6, 1st. Command data set (CDS)	Digital input disabled (0)	-
p707[0]	Function of digital input 7, 1st. Command data set (CDS)	Digital input disabled (0)	-
p708[0]	Function of digital input 8, 1st. Command data set (CDS)	Digital input disabled (0)	-
p719[0]	Selection of cmd. freq. setp., 1st. Command data set (CDS)	Cmd = BICO parameter Setpoint = BICO parameter (0)	-
r720	Number of digital inputs	0	-
r722	CO/BO: Binary input values	0H	-
p724	Debounce time for digital inputs	12.3 ms debounce time (3)	-
p725	PNP / NPN digital inputs	PNP mode ==> high active (1)	-
r730	Number of digital outputs	0	-
p731[0]	BI: Function of digital output 1, 1st. Command data set (CDS)	r52.3	-
p732[0]	BI: Function of digital output 2, 1st. Command data set (CDS)	r52.7	-
p733[0]	BI: Function of digital output 3, 1st. Command data set (CDS)	0	-
r747	CO/BO: State of digital outputs	0H	-
p748	Invert digital outputs	0H	-
r750	Number of ADCs	0	-
r752[0]	Act. input of ADC [V] or [mA], Analog input 1 (ADC 1)	0.00	-
p753[0]	Smooth time ADC, Analog input 1 (ADC 1)	3	ms
r754[0]	Act. ADC value after scaling [%], Analog input 1 (ADC 1)	0.00	%
r755[0]	CO: Act. ADC after scal. [4000h], Analog input 1 (ADC 1)	0	-
p756[0]	Type of ADC, Analog input 1 (ADC 1)	Unipolar voltage input (0 to +10 V) (0)	-
p757[0]	Value x1 of ADC scaling [V / mA], Analog input 1 (ADC 1)	0.00	-
p758[0]	Value y1 of ADC scaling, Analog input 1 (ADC 1)	0.00	%
p759[0]	Value x2 of ADC scaling [V / mA], Analog input 1 (ADC 1)	0.20	-
p760[0]	Value y2 of ADC scaling, Analog input 1 (ADC 1)	2.00	%
p761[0]	Width of ADC deadband [V / mA], Analog input 1 (ADC 1)	0.00	-
p762[0]	Delay for loss of signal action, Analog input 1 (ADC 1)	10	ms
r770	Number of DACs	0	-
p771[0]	CI: DAC, Analog output 1 (DAC 1)	r21	-
p773[0]	Smooth time DAC, Analog output 1 (DAC 1)	2	ms

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r774[0]	Act. DAC value [V] or [mA], Analog output 1 (DAC 1)	0.00	-
p777[0]	Value x1 of DAC scaling, Analog output 1 (DAC 1)	0.00	%
p778[0]	Value y1 of DAC scaling, Analog output 1 (DAC 1)	0.00	-
p779[0]	Value x2 of DAC scaling, Analog output 1 (DAC 1)	100.00	%
p780[0]	Value y2 of DAC scaling, Analog output 1 (DAC 1)	20.00	-
p781[0]	Width of DAC deadband, Analog output 1 (DAC 1)	0.00	-
p800[0]	BI: Download parameter set 0, 1st. Command data set (CDS)	0	-
p801[0]	BI: Download parameter set 1, 1st. Command data set (CDS)	0	-
p809[0]	Copy Command Data Set, Copy from CDS	0	-
p809[1]	Copy Command Data Set, Copy to CDS	1	-
p809[2]	Copy Command Data Set, Start copy	1	-
p810	BI: CDS bit 0 (Local / Remote)	r722.1	-
p811	BI: CDS bit 1	0	-
p819[0]	Copy Drive Data Set, Copy from DDS	0	-
p820[0]	BI: DDS bit 0, 1st. Command data set (CDS)	0	-
p821[0]	BI: DDS bit 1, 1st. Command data set (CDS)	0	-
p840[0]	BI: ON/OFF1, 1st. Command data set (CDS)	r722.0	-
p842[0]	BI: ON/OFF1 reverse, 1st. Command data set (CDS)	0	-
p844[0]	BI: 1. OFF2, 1st. Command data set (CDS)	1	-
p845[0]	BI: 2. OFF2, 1st. Command data set (CDS)	r19.1	-
p848[0]	BI: 1. OFF3, 1st. Command data set (CDS)	1	-
p849[0]	BI: 2. OFF3, 1st. Command data set (CDS)	1	-
p852[0]	BI: Pulse enable, 1st. Command data set (CDS)	1	-
p852[1]	BI: Pulse enable, 2nd. Command data set (CDS)	1	-
p852[2]	BI: Pulse enable, 3rd. Command data set (CDS)	1	-
p918	CB address	3	-
p927	Parameter changeable via	FH	-
r947[0]	Last fault code, Recent fault trip --, fault 1	0	-
r948[0]	Fault time, Recent fault trip --, fault time seconds+minutes	0	-
p952	Total number of faults	0	-
r964[0]	Firmware version data, Company (Siemens = 42)	0	-
r965	Profibus profile	0	-
r967	Control word 1	0H	-
r968	Status word 1	0H	-
p970	Factory reset	Disabled (0)	-
p971	Transfer data from RAM to EEPROM	Disabled (0)	-
p1000[0]	Selection of frequency setpoint, 1st. Command data set (CDS)	Analog setpoint (2)	-
p1001[0]	Fixed frequency 1, 1st. Drive data set (DDS)	100.00	Hz
p1002[0]	Fixed frequency 2, 1st. Drive data set (DDS)	5.00	Hz
p1003[0]	Fixed frequency 3, 1st. Drive data set (DDS)	10.00	Hz
p1004[0]	Fixed frequency 4, 1st. Drive data set (DDS)	15.00	Hz
p1005[0]	Fixed frequency 5, 1st. Drive data set (DDS)	20.00	Hz
p1006[0]	Fixed frequency 6, 1st. Drive data set (DDS)	25.00	Hz
p1007[0]	Fixed frequency 7, 1st. Drive data set (DDS)	30.00	Hz
p1008[0]	Fixed frequency 8, 1st. Drive data set (DDS)	35.00	Hz
p1009[0]	Fixed frequency 9, 1st. Drive data set (DDS)	40.00	Hz

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p1010[0]	Fixed frequency 10, 1st. Drive data set (DDS)	45.00	Hz
p1011[0]	Fixed frequency 11, 1st. Drive data set (DDS)	50.00	Hz
p1012[0]	Fixed frequency 12, 1st. Drive data set (DDS)	55.00	Hz
p1013[0]	Fixed frequency 13, 1st. Drive data set (DDS)	60.00	Hz
p1014[0]	Fixed frequency 14, 1st. Drive data set (DDS)	65.00	Hz
p1015[0]	Fixed frequency 15, 1st. Drive data set (DDS)	65.00	Hz
p1016	Fixed frequency mode - Bit 0	Direct selection (1)	-
p1017	Fixed frequency mode - Bit 1	Direct selection (1)	-
p1018	Fixed frequency mode - Bit 2	Direct selection (1)	-
p1019	Fixed frequency mode - Bit 3	Direct selection (1)	-
p1020[0]	BI: Fixed freq. selection Bit 0, 1st. Command data set (CDS)	0	-
p1021[0]	BI: Fixed freq. selection Bit 1, 1st. Command data set (CDS)	0	-
p1022[0]	BI: Fixed freq. selection Bit 2, 1st. Command data set (CDS)	0	-
p1023[0]	BI: Fixed freq. selection Bit 3, 1st. Command data set (CDS)	r722.3	-
r1024	CO: Act. fixed frequency	0.00	Hz
p1025	Fixed frequency mode - Bit 4	Direct selection (1)	-
p1026[0]	BI: Fixed freq. selection Bit 4, 1st. Command data set (CDS)	r722.4	-
p1027	Fixed frequency mode - Bit 5	Direct selection (1)	-
p1028[0]	BI: Fixed freq. selection Bit 5, 1st. Command data set (CDS)	r722.5	-
p1031[0]	Setpoint memory of the MOP, 1st. Drive data set (DDS)	MOP setpoint will not be stored (0)	-
p1032	Inhibit reverse direction of MOP	Reserve direction inhibited (1)	-
p1035[0]	BI: Enable MOP (UP-command), 1st. Command data set (CDS)	r19.13	-
p1036[0]	BI: Enable MOP (DOWN-command), 1st. Command data set (CDS)	r19.14	-
p1040[0]	Setpoint of the MOP, 1st. Drive data set (DDS)	5.00	Hz
r1050	CO: Act. Output freq. of the MOP	0.00	Hz
p1055[0]	BI: Enable JOG right, 1st. Command data set (CDS)	0	-
p1056[0]	BI: Enable JOG left, 1st. Command data set (CDS)	0	-
p1058[0]	JOG frequency right, 1st. Drive data set (DDS)	5.00	Hz
p1059[0]	JOG frequency left, 1st. Drive data set (DDS)	5.00	Hz
p1060[0]	JOG ramp-up time, 1st. Drive data set (DDS)	10.00	s
p1061[0]	JOG ramp-down time, 1st. Drive data set (DDS)	10.00	s
p1070[0]	CI: Main setpoint, 1st. Command data set (CDS)	r755[0]	-
p1071[0]	CI: Main setpoint scaling, 1st. Command data set (CDS)	100%	-
p1074[0]	BI: Disable additional setpoint, 1st. Command data set (CDS)	0	-
p1075[0]	CI: Additional setpoint, 1st. Command data set (CDS)	0	-
p1076[0]	CI: Additional setpoint scaling, 1st. Command data set (CDS)	100%	-
r1078	CO: Total frequency setpoint	0.00	Hz
r1079	CO: Selected frequency setpoint	0.00	Hz
p1080[0]	Min. frequency, 1st. Drive data set (DDS)	50.00	Hz
p1082[0]	Max. frequency, 1st. Drive data set (DDS)	200.00	Hz
r1084	Max. frequency setpoint	0.00	Hz
p1091[0]	Skip frequency 1, 1st. Drive data set (DDS)	0.00	Hz
p1092[0]	Skip frequency 2, 1st. Drive data set (DDS)	0.00	Hz
p1093[0]	Skip frequency 3, 1st. Drive data set (DDS)	0.00	Hz

A
B
C
D
E
F

A
B
C
D
E
F

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p1094[0]	Skip frequency 4, 1st. Drive data set (DDS)	0.00	Hz
p1101[0]	Skip frequency bandwidth, 1st. Drive data set (DDS)	2.00	Hz
p1110[0]	BI: Inhibit neg. freq. setpoint, 1st. Command data set (CDS)	0	-
p1113[0]	BI: Reverse, 1st. Command data set (CDS)	0	-
r1114	CO: Freq. setp. after dir. ctrl.	0.00	Hz
r1119	CO: Freq. setpoint before RFG	0.00	Hz
p1120[0]	Ramp-up time, 1st. Drive data set (DDS)	4.00	s
p1121[0]	Ramp-down time, 1st. Drive data set (DDS)	10.00	s
p1124[0]	BI: Enable JOG ramp times, 1st. Command data set (CDS)	0	-
p1130[0]	Ramp-up initial rounding time, 1st. Drive data set (DDS)	0.00	s
p1131[0]	Ramp-up final rounding time, 1st. Drive data set (DDS)	0.00	s
p1132[0]	Ramp-down initial rounding time, 1st. Drive data set (DDS)	0.00	s
p1133[0]	Ramp-down final rounding time, 1st. Drive data set (DDS)	0.00	s
p1134[0]	Rounding type, 1st. Drive data set (DDS)	Continuous smoothing (0)	-
p1135[0]	OFF3 ramp-down time, 1st. Drive data set (DDS)	5.00	s
r1170	CO: Frequency setpoint after RFG	0.00	Hz
p1200	Flying start	Flying start disabled (0)	-
p1202[0]	Motor-current: Flying start, 1st. Drive data set (DDS)	100	%
p1203[0]	Search rate: Flying start, 1st. Drive data set (DDS)	100	%
r1205	Status flying-start on observer	0H	-
p1210	Automatic restart	Trip reset after power on: P1211 disabled (1)	-
p1211	Number of restart attempts	3	-
p1215	Holding brake enable	Motor holding brake disabled (0)	-
p1216	Holding brake release delay	1.0	s
p1217	Holding time after ramp down	1.0	s
p1230[0]	BI: Enable DC braking, 1st. Command data set (CDS)	0	-
p1232[0]	DC braking current, 1st. Drive data set (DDS)	100	%
p1233[0]	Duration of DC braking, 1st. Drive data set (DDS)	0	s
p1234[0]	DC braking start frequency, 1st. Drive data set (DDS)	650.00	Hz
p1236[0]	Compound braking current, 1st. Drive data set (DDS)	0	%
p1237	Dynamic braking	Disabled (0)	-
p1240[0]	Configuration of Vdc controller, 1st. Drive data set (DDS)	Vdc-max controller enabled (1)	-
r1242	CO: Switch-on level of Vdc-max	0.0	V
p1243[0]	Dynamic factor of Vdc-max, 1st. Drive data set (DDS)	100	%
p1245[0]	Switch on level kin. buffering, 1st. Drive data set (DDS)	76	%
p1247[0]	Dyn. factor of kinetic buffering, 1st. Drive data set (DDS)	100	%
p1253[0]	Vdc-controller output limitation, 1st. Drive data set (DDS)	20.00	Hz
p1254	Auto detect Vdc switch-on levels	Enabled (1)	-
p1300[0]	Control mode, 1st. Drive data set (DDS)	Sensorless vector torque-control (22)	-
p1310[0]	Continuous boost, 1st. Drive data set (DDS)	50.0	%
p1311[0]	Acceleration boost, 1st. Drive data set (DDS)	0.0	%
p1312[0]	Starting boost, 1st. Drive data set (DDS)	0.0	%

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p1316[0]	Boost end frequency, 1st. Drive data set (DDS)	14.0	%
p1320[0]	Programmable V/f freq. coord. 1, 1st. Drive data set (DDS)	0.00	Hz
p1321[0]	Programmable V/f volt. coord. 1, 1st. Drive data set (DDS)	0.0	V
p1322[0]	Programmable V/f freq. coord. 2, 1st. Drive data set (DDS)	0.00	Hz
p1323[0]	Programmable V/f volt. coord. 2, 1st. Drive data set (DDS)	0.0	V
p1324[0]	Programmable V/f freq. coord. 3, 1st. Drive data set (DDS)	0.00	Hz
p1325[0]	Programmable V/f volt. coord. 3, 1st. Drive data set (DDS)	0.0	V
p1330[0]	CI: Voltage setpoint, 1st. Command data set (CDS)	0	-
p1333[0]	Start frequency for FCC, 1st. Drive data set (DDS)	5.0	%
p1335[0]	Slip compensation, 1st. Drive data set (DDS)	0.0	%
p1336[0]	Slip limit, 1st. Drive data set (DDS)	250	%
r1337	CO: V/f slip frequency	0.00	%
p1338[0]	Resonance damping gain V/f, 1st. Drive data set (DDS)	0.00	-
p1340[0]	I _{max} controller prop. gain, 1st. Drive data set (DDS)	0.000	-
p1341[0]	I _{max} controller integral time, 1st. Drive data set (DDS)	0.300	s
r1343	CO: I _{max} controller freq. output	0.00	Hz
r1344	CO: I _{max} controller volt. output	0.0	V
p1345[0]	I _{max} controller prop. gain, 1st. Drive data set (DDS)	0.198	-
p1346[0]	I _{max} controller integral time, 1st. Drive data set (DDS)	0.030	s
p1350[0]	Voltage soft start, 1st. Drive data set (DDS)	OFF (0)	-
p1400[0]	Configuration of speed control, 1st. Drive data set (DDS)	1H	-
r1407	CO/BO: Status 2 of motor control	0H	-
r1438	CO: Freq. setpoint to controller	0.00	Hz
p1452[0]	Filter time for act.speed (SLVC), 1st. Drive data set (DDS)	2	ms
p1470[0]	Gain speed controller (SLVC), 1st. Drive data set (DDS)	4.1	-
p1472[0]	Integral time n-ctrl. (SLVC), 1st. Drive data set (DDS)	400	ms
p1477[0]	BI: Set integrator of n-ctrl., 1st. Command data set (CDS)	0	-
p1478[0]	CI: Set integrator value n-ctrl., 1st. Command data set (CDS)	0	-
r1482	CO: Integral output of n-ctrl.	0.00	Nm
p1488[0]	Droop input source, 1st. Drive data set (DDS)	Droop input disabled (0)	-
p1489[0]	Droop scaling, 1st. Drive data set (DDS)	0.0	-
r1490	CO: Droop frequency	0.00	Hz
p1492[0]	Enable droop, 1st. Drive data set (DDS)	Disabled (0)	-
p1496[0]	Scaling accel. precontrol, 1st. Drive data set (DDS)	0.0	%
p1499[0]	Scaling accel. torque control, 1st. Drive data set (DDS)	200.0	%
p1500[0]	Selection of torque setpoint, 1st. Command data set (CDS)	Analog setpoint (2)	-
p1501[0]	BI: Change to torque control, 1st. Command data set (CDS)	0	-
p1503[0]	CI: Torque setpoint, 1st. Command data set (CDS)	r755[0]	-

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r1508	CO: Torque setpoint	0.00	Nm
p1511[0]	CI: Additional torque setpoint, 1st. Command data set (CDS)	0	-
r1515	CO: Additional torque setpoint	0.00	Nm
r1518	CO: Acceleration torque	0.00	Nm
p1520[0]	CO: Upper torque limit, 1st. Drive data set (DDS)	92.34	Nm
p1521[0]	CO: Lower torque limit, 1st. Drive data set (DDS)	-92.34	Nm
p1522[0]	CI: Upper torque limit, 1st. Command data set (CDS)	p1520[0]	-
p1523[0]	CI: Lower torque limit, 1st. Command data set (CDS)	p1521[0]	-
p1525[0]	Scaling lower torque limit, 1st. Drive data set (DDS)	100.0	%
r1526	CO: Upper torque limitation	0.00	Nm
r1527	CO: Lower torque limitation	0.00	Nm
p1530[0]	Motoring power limitation, 1st. Drive data set (DDS)	37.50	-
p1531[0]	Regenerative power limitation, 1st. Drive data set (DDS)	-37.50	-
r1538	CO: Upper torque limit (total)	0.00	Nm
r1539	CO: Lower torque limit (total)	0.00	Nm
p1570[0]	CO: Fixed value flux setpoint, 1st. Drive data set (DDS)	100.0	%
p1574[0]	Dynamic voltage headroom, 1st. Drive data set (DDS)	20	V
p1580[0]	Efficiency optimization, 1st. Drive data set (DDS)	0	%
p1582[0]	Smooth time for flux setpoint, 1st. Drive data set (DDS)	15	ms
p1596[0]	Int. time field weak. controller, 1st. Drive data set (DDS)	50	ms
r1598	CO: Flux setpoint (total)	0.0	%
p1610[0]	Continuous torque boost (SLVC), 1st. Drive data set (DDS)	150.0	%
p1611[0]	Acc. torque boost (SLVC), 1st. Drive data set (DDS)	0.0	%
p1740	Gain for oscillation damping	0.000	-
p1750[0]	Control word of motor model, 1st. Drive data set (DDS)	1H	-
r1751	Status word of motor model	0H	-
r1770	CO: Prop. output of n-adaption	0.00	Hz
r1771	CO: Int. output of n-adaption	0.00	Hz
p1780[0]	Control word of Rs/Rr-adaption, 1st. Drive data set (DDS)	3H	-
r1782	Output of Rs-adaptation	0.00	%
r1787	Output of Xm-adaption	0.00	%
p1800	Pulse frequency	4	kHz
r1801	CO: Act. switching frequency	0	kHz
p1802	Modulator mode	SVM/ASVM automatic mode (0)	-
p1820[0]	Reverse output phase sequence, 1st. Drive data set (DDS)	OFF (0)	-
p1910	Select motor data identification	Disabled (0)	-
p1911	No. of phase to be identified	3	-
r1912[0]	Identified stator resistance, U_phase	0.00000	Ohm
r1913[0]	Identified rotor time constant, U_phase	0.00000	ms
r1914[0]	Ident. total leakage inductance, U_phase	0.00000	-
r1915[0]	Ident. nom. stator inductance, U_phase	0.00000	-
r1916[0]	Identified stator inductance 1, U_phase	0.00000	-
r1917[0]	Identified stator inductance 2, U_phase	0.00000	-

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r1918[0]	Identified stator inductance 3, U_phase	0.00000	-
r1919[0]	Identified stator inductance 4, U_phase	0.00000	-
r1920[0]	Identified dyn.leak.induct., U_phase	0.00000	-
r1925	Identified on-state voltage	0.0	V
r1926	Ident. gating unit dead time	0.00	µs
p2000[0]	Reference frequency, 1st. Drive data set (DDS)	60.00	Hz
p2001[0]	Reference voltage, 1st. Drive data set (DDS)	1000	V
p2002[0]	Reference current, 1st. Drive data set (DDS)	72.00	A
p2003[0]	Reference torque, 1st. Drive data set (DDS)	123.12	Nm
r2004[0]	Reference power, 1st. Drive data set (DDS)	0.00	-
p2009[0]	USS normalization, Serial interface COM link	Disabled (0)	-
p2010[0]	USS baudrate, Serial interface COM link	9600 baud (6)	-
p2011[0]	USS address, Serial interface COM link	0	-
p2012[0]	USS PZD length, Serial interface COM link	2	-
p2013[0]	USS PKW length, Serial interface COM link	Variable (127)	-
p2014[0]	USS telegram off time, Serial interface COM link	0	ms
r2015[0]	CO: PZD from BOP link (USS), Received word 0	0	-
p2016[0]	CI: PZD to BOP link (USS), Transmitted word 0	r52	-
r2018[0]	CO: PZD from COM link (USS), Received word 0	0	-
p2019[0]	CI: PZD to COM link (USS), Transmitted word 0	r52	-
r2024[0]	USS error-free telegrams, Serial interface COM link	0	-
r2025[0]	USS rejected telegrams, Serial interface COM link	0	-
r2026[0]	USS character frame error, Serial interface COM link	0	-
r2027[0]	USS overrun error, Serial interface COM link	0	-
r2028[0]	USS parity error, Serial interface COM link	0	-
r2029[0]	USS start not identified, Serial interface COM link	0	-
r2030[0]	USS BCC error, Serial interface COM link	0	-
r2031[0]	USS length error, Serial interface COM link	0	-
r2032	BO: CtrlWrd1 from BOP link (USS)	0H	-
r2033	BO: CtrlWrd2 from BOP link (USS)	0H	-
r2036	BO: CtrlWrd1 from COM link (USS)	0H	-
r2037	BO: CtrlWrd2 from COM link (USS)	0H	-
p2040	CB telegram off time	20	ms
p2041[0]	CB parameter, CB parameter 0	0	-
r2050[0]	CO: PZD from CB, Received word 0	0	-
p2051[0]	CI: PZD to CB, Transmitted word 0	r52	-
r2053[0]	CB identification, CB type (PROFIBUS = 1)	No CB option board (0)	-
r2054[0]	CB diagnosis, CB diagnosis 0	0	-
r2090	BO: Control word 1 from CB	0H	-
r2091	BO: Control word 2 from CB	0H	-
p2100[0]	Alarm number selection	0	-
p2101[0]	Stop reaction value	No reaction, no display (0)	-
p2103[0]	BI: 1. Faults acknowledgement, 1st. Command data set (CDS)	r722.2	-
p2104[0]	BI: 2. Faults acknowledgement, 1st. Command data set (CDS)	0	-
p2106[0]	BI: External fault, 1st. Command data set (CDS)	1	-
r2110[0]	Warning number, Recent Warnings --, warning 1	0	-
p2111	Total number of warnings	0	-
r2114[0]	Run time counter	0	-
p2115[0]	AOP real time clock	0	-
p2150[0]	Hysteresis frequency f_hys, 1st. Drive data set (DDS)	3.00	Hz

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p2188[0]	Lower torque threshold 2, 1st. Drive data set (DDS)	0.00	Nm
p2189[0]	Upper torque threshold 3, 1st. Drive data set (DDS)	61.56	Nm
p2190[0]	Lower torque threshold 3, 1st. Drive data set (DDS)	0.00	Nm
p2191[0]	Belt failure speed tolerance, 1st. Drive data set (DDS)	3.00	Hz
p2192[0]	Time delay for belt failure, 1st. Drive data set (DDS)	10	s
r2197	CO/BO: Monitoring word 1	0H	-
r2198	CO/BO: Monitoring word 2	0H	-
p2200[0]	BI: Enable PID controller, 1st. Command data set (CDS)	0	-
p2200[1]	BI: Enable PID controller, 2nd. Command data set (CDS)	1	-
p2200[2]	BI: Enable PID controller, 3rd. Command data set (CDS)	0	-
p2201[0]	Fixed PID setpoint 1, 1st. Drive data set (DDS)	0.00	%
p2202[0]	Fixed PID setpoint 2, 1st. Drive data set (DDS)	10.00	%
p2203[0]	Fixed PID setpoint 3, 1st. Drive data set (DDS)	20.00	%
p2204[0]	Fixed PID setpoint 4, 1st. Drive data set (DDS)	30.00	%
p2205[0]	Fixed PID setpoint 5, 1st. Drive data set (DDS)	40.00	%
p2206[0]	Fixed PID setpoint 6, 1st. Drive data set (DDS)	50.00	%
p2207[0]	Fixed PID setpoint 7, 1st. Drive data set (DDS)	60.00	%
p2208[0]	Fixed PID setpoint 8, 1st. Drive data set (DDS)	70.00	%
p2209[0]	Fixed PID setpoint 9, 1st. Drive data set (DDS)	80.00	%
p2210[0]	Fixed PID setpoint 10, 1st. Drive data set (DDS)	90.00	%
p2211[0]	Fixed PID setpoint 11, 1st. Drive data set (DDS)	100.00	%
p2212[0]	Fixed PID setpoint 12, 1st. Drive data set (DDS)	110.00	%
p2213[0]	Fixed PID setpoint 13, 1st. Drive data set (DDS)	120.00	%
p2214[0]	Fixed PID setpoint 14, 1st. Drive data set (DDS)	130.00	%
p2215[0]	Fixed PID setpoint 15, 1st. Drive data set (DDS)	130.00	%
p2216	Fixed PID setpoint mode - Bit 0	Direct selection (1)	-
p2217	Fixed PID setpoint mode - Bit 1	Direct selection (1)	-
p2218	Fixed PID setpoint mode - Bit 2	Direct selection (1)	-
p2219	Fixed PID setpoint mode - Bit 3	Direct selection (1)	-
p2220[0]	BI: Fixed PID setp. select Bit 0, 1st. Command data set (CDS)	0	-
p2221[0]	BI: Fixed PID setp. select Bit 1, 1st. Command data set (CDS)	0	-
p2222[0]	BI: Fixed PID setp. select Bit 2, 1st. Command data set (CDS)	0	-
p2223[0]	BI: Fixed PID setp. select Bit 3, 1st. Command data set (CDS)	r722.3	-
r2224	CO: Act. fixed PID setpoint	0.00	%
p2225	Fixed PID setpoint mode - Bit 4	Direct selection (1)	-
p2226[0]	BI: Fixed PID setp. select Bit 4, 1st. Command data set (CDS)	r722.4	-
p2227	Fixed PID setpoint mode - Bit 5	Direct selection (1)	-
p2228[0]	BI: Fixed PID setp. select Bit 5, 1st. Command data set (CDS)	r722.5	-
p2231[0]	Setpoint memory of PID-MOP, 1st. Drive data set (DDS)	PID-MOP setpoint will not be stored (0)	-
p2232	Inhibit rev. direct. of PID-MOP	Reserve direction inhibited (1)	-
p2235[0]	BI: Enable PID-MOP (UP-cmd), 1st. Command data set (CDS)	r19.13	-
p2236[0]	BI: Enable PID-MOP (DOWN-cmd), 1st. Command data set (CDS)	r19.14	-
p2240[0]	Setpoint of PID-MOP, 1st. Drive data set (DDS)	10.00	%

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r2250	CO: Output setpoint of PID-MOP	0.00	%
p2253[0]	CI: PID setpoint, 1st. Command data set (CDS)	0	-
p2254[0]	CI: PID trim source, 1st. Command data set (CDS)	0	-
p2255	PID setpoint gain factor	100.00	-
p2256	PID trim gain factor	100.00	-
p2257	Ramp-up time for PID setpoint	1.00	s
p2258	Ramp-down time for PID setpoint	1.00	s
r2260	CO: Act. PID setpoint	0.00	%
p2261	PID setpoint filter timeconstant	0.00	s
r2262	CO: Act. PID filtered setpoint	0.00	%
p2263	PID controller type	D component on feedback signal (0)	-
p2264[0]	CI: PID feedback, 1st. Command data set (CDS)	r755[0]	-
p2265	PID feedback filter timeconstant	0.00	s
r2266	CO: PID filtered feedback	0.00	%
p2267	Max. value for PID feedback	100.00	%
p2268	Min. value for PID feedback	0.00	%
p2269	Gain applied to PID feedback	100.00	-
p2270	PID feedback function selector	Disabled (0)	-
p2271	PID transducer type	Inversion of PID feedback signal (1)	-
r2272	CO: PID scaled feedback	0.00	%
r2273	CO: PID error	0.00	%
p2274	PID derivative time	0.000	s
p2280	PID proportional gain	3.000	-
p2285	PID integral time	0.000	s
p2291	PID output upper limit	100.00	%
p2292	PID output lower limit	0.00	%
p2293	Ramp-up /-down time of PID limit	1.00	s
r2294	CO: Act. PID output	0.00	%
p2350	PID autotune enable	PID Autotuning Disabled (0)	-
p2354	PID tuning timeout length	240	s
p2355	PID tuning offset	5.00	%
p3900	End of quick commissioning	No quick commissioning (0)	-

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