CFW-11 VECTRUE INVERTER

Software Version: 1.3X
Language: English
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Quick Parameter Reference

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0000	Access to Parameters	0 to 9999	0		-	-	5-2
P0001	Speed Reference	0 to 18000 rpm	-		RO	09	16-1
P0002	Motor Speed	0 to 18000 rpm	-		RO	09	16-1
P0003	Motor Current	0.0 to 4500.0 A	-		RO	09	16-2
P0004	DC Link Voltage (U_d)	0 to 2000 V	-		RO	09	16-2
P0005	Motor Frequency	0.0 to 300.0 Hz	-		RO	09	16-2
P0006	VFD Status	0 = Ready 1 = Run 2 = Undervoltage 3 = Fault 4 = Self-Tuning 5 = Configuration 6 = DC-Braking 7 = STO	-		RO	09	16-2
P0007	Motor Voltage	0 to 2000 V	-		RO	09	16-3
P0009	Motor Torque	-1000.0 to 1000.0 %	-		RO	09	16-3
P0010	Output Power	0.0 to 6553.5 kW	-		RO	09	16-4
P0012	DI8 to DI1 Status	Bit 0 = DI1 Bit 1 = DI2 Bit 2 = DI3 Bit 3 = DI4 Bit 4 = DI5 Bit 5 = DI6 Bit 6 = DI7 Bit 7 = DI8	-		RO	09, 40	13-11
P0013	DO5 to DO1 Status	Bit 0 = DO1 Bit 1 = DO2 Bit 2 = DO3 Bit 3 = DO4 Bit 4 = DO5	-		RO	09, 41	13-19
P0014	AO1 Value	0.00 to 100.00 %	-		RO	09, 39	13-6
P0015	AO2 Value	0.00 to 100.00 %	-		RO	09, 39	13-6
P0016	AO3 Value	-100.00 to 100.00 %	-		RO	09, 39	13-6
P0017	AO4 Value	-100.00 to 100.00 %	-		RO	09, 39	13-6
P0018	AI1 Value	-100.00 to 100.00 %	-		RO	09, 38, 95	13-1
P0019	AI2 Value	-100.00 to 100.00 %	-		RO	09, 38, 95	13-1
P0020	AI3 Value	-100.00 to 100.00 %	-		RO	09, 38, 95	13-1
P0021	AI4 Value	-100.00 to 100.00 %	-		RO	09, 38, 95	13-1
P0023	Software Version	0.00 to 655.35	-		RO	09, 42	6-2
P0027	Accessories Config. 1	0000h to FFFFh	-		RO	09, 42	6-2
P0028	Accessories Config. 2	0000h to FFFFh	-		RO	09, 42	6-2
P0029	Power Hardware Config	Bit 0 to 5 = Rated Current Bit 6 and 7 = Rated Voltage Bit 8 = EMC Filter Bit 9 = Safety Relay Bit 10 = (0)24V/(1) DC Link Bit 11 = (0)RST/(1) DC Link Bit 12 = Dyn.Brak. IGBT Bit 13 = Special Bit 14 and 15 = Reserved	-		RO	09, 42	6-4
P0030	IGBTs Temperature U	-20.0 to 150.0 °C	-		RO	09, 45	15-4

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P0031	IGBTs Temperature V	-20.0 to 150.0 °C	-		RO	09, 45	15-4
P0032	IGBTs Temperature W	-20.0 to 150.0 °C	-		RO	09, 45	15-4
P0033	Rectifier Temperature	-20.0 to 150.0 °C	-		RO	09, 45	15-4
P0034	Internal Air Temp.	-20.0 to 150.0 °C	-		RO	09, 45	15-4
P0036	Fan Heatsink Speed	0 to 15000 rpm	-		RO	09	16-5
P0037	Motor Overload Status	0 to 100 %	-		RO	09	16-5
P0038	Encoder Speed	0 to 65535 rpm	-		RO	09	16-6
P0039	Encoder Pulses Count	0 to 40000	0		RO	09	16-6
P0040	PID Process Variable	0.0 to 100.0 %	-		RO	09, 46	20-8
P0041	PID Setpoint Value	0.0 to 100.0 %	-		RO	09, 46	20-8
P0042	Time Powered	0 to 65535 h	-		RO	09	16-6
P0043	Time Enabled	0.0 to 6553.5 h	-		RO	09	16-7
P0044	kWh Output Energy	0 to 65535 kWh	-		RO	09	16-7
P0045	Fan Enabled Time	0 to 65535 h	-		RO	09	16-7
P0048	Present Alarm	0 to 999	-		RO	09	16-8
P0049	Present Fault	0 to 999	-		RO	09	16-8
P0050	Last Fault	0 to 999	-		RO	08	16-8
P0051	Last Fault Day/Month	00/00 to 31/12	-		RO	08	16-9
P0052	Last Fault Year	00 to 99	-		RO	08	16-10
P0053	Last Fault Time	00:00 to 23:59	-		RO	08	16-10
P0054	Second Fault	0 to 999	-		RO	08	16-8
P0055	Second Flt. Day/Month	00/00 to 31/12	-		RO	08	16-9
P0056	Second Fault Year	00 to 99	-		RO	08	16-10
P0057	Second Fault Time	00:00 to 23:59	-		RO	08	16-10
P0058	Third Fault	0 to 999	-		RO	08	16-8
P0059	Third Fault Day/Month	00/00 to 31/12	-		RO	08	16-9
P0060	Third Fault Year	00 to 99	-		RO	08	16-10
P0061	Third Fault Time	00:00 to 23:59	-		RO	08	16-10
P0062	Fourth Fault	0 to 999	-		RO	08	16-8
P0063	Fourth Flt. Day/Month	00/00 to 31/12	-		RO	08	16-9
P0064	Fourth Fault Year	00 to 99	-		RO	08	16-10
P0065	Fourth Fault Time	00:00 to 23:59	-		RO	08	16-10
P0066	Fifth Fault	0 to 999	-		RO	08	16-8
P0067	Fifth Fault Day/Month	00/00 to 31/12	-		RO	08	16-9
P0068	Fifth Fault Year	00 to 99	-		RO	08	16-10
P0069	Fifth Fault Time	00:00 to 23:59	-		RO	08	16-10
P0070	Sixth Fault	0 to 999	-		RO	08	16-8
P0071	Sixth Fault Day/Month	00/00 to 31/12	-		RO	08	16-9
P0072	Sixth Fault Year	00 to 99	-		RO	08	16-10
P0073	Sixth Fault Time	00:00 to 23:59	-		RO	08	16-10
P0074	Seventh Fault	0 to 999	-		RO	08	16-8
P0075	Seventh Flt.Day/Month	00/00 to 31/12	-		RO	08	16-9
P0076	Seventh Fault Year	00 to 99	-		RO	08	16-10
P0077	Seventh Fault Time	00:00 to 23:59	-		RO	08	16-10
P0078	Eighth Fault	0 to 999	-		RO	08	16-8
P0079	Eighth Flt. Day/Month	00/00 to 31/12	-		RO	08	16-9
P0080	Eighth Fault Year	00 to 99	-		RO	08	16-10
P0081	Eighth Fault Time	00:00 to 23:59	-		RO	08	16-10
P0082	Ninth Fault	0 to 999	-		RO	08	16-9
P0083	Ninth Fault Day/Month	00/00 to 31/12	-		RO	08	16-9
P0084	Ninth Fault Year	00 to 99	-		RO	08	16-10
P0085	Ninth Fault Time	00:00 to 23:59	-		RO	08	16-10
P0086	Tenth Fault	0 to 999	-		RO	08	16-9
P0087	Tenth Fault Day/Month	00/00 to 31/12	-		RO	08	16-9

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P0088	Tenth Fault Year	00 to 99	-		RO	08	16-10
P0089	Tenth Fault Time	00:00 to 23:59	-		RO	08	16-11
P0090	Current At Last Fault	0.0 to 4000.0 A	-		RO	08	16-11
P0091	DC Link At Last Fault	0 to 2000 V	-		RO	08	16-11
P0092	Speed At Last Fault	0 to 18000 rpm	-		RO	08	16-11
P0093	Reference Last Fault	0 to 18000 rpm	-		RO	08	16-12
P0094	Frequency Last Fault	0.0 to 300.0 Hz	-		RO	08	16-12
P0095	Motor Volt.Last Fault	0 to 2000 V	-		RO	08	16-12
P0096	DIx Status Last Fault	Bit 0 = DI1 Bit 1 = DI2 Bit 2 = DI3 Bit 3 = DI4 Bit 4 = DI5 Bit 5 = DI6 Bit 6 = DI7 Bit 7 = DI8	-		RO	08	16-12
P0097	DOx Status Last Fault	Bit 0 = DO1 Bit 1 = DO2 Bit 2 = DO3 Bit 3 = DO4 Bit 4 = DO5	-		RO	08	16-13
P0100	Acceleration Time	0.0 to 999.0 s	20.0 s		-	04, 20	12-1
P0101	Deceleration Time	0.0 to 999.0 s	20.0 s		-	04, 20	12-1
P0102	Acceleration Time 2	0.0 to 999.0 s	20.0 s		-	20	12-1
P0103	Deceleration Time 2	0.0 to 999.0 s	20.0 s		-	20	12-1
P0104	S Ramp	0 = Off 1 = 50% 2 = 100%	0 = Off		-	20	12-2
P0105	1st/2nd Ramp Select.	0 = 1st Ramp 1 = 2nd Ramp 2 = DIx 3 = Serial/USB 4 = Anybus-CC 5 = CANOpen/ DeviceNet 6 = SoftPLC 7 = PLC11	2 = DIx		CFG	20	12-3
P0120	Speed Ref. Backup	0 = Off 1 = On	1 = On		-	21	12-3
P0121	Keypad Reference	0 to 18000 rpm	90 rpm		-	21	12-4
P0122	JOG/JOG+ Reference	0 to 18000 rpm	150 (125) rpm		-	21	12-4
P0123	JOG- Reference	0 to 18000 rpm	150 (125) rpm		Vector	21	12-5
P0124	Multispeed Ref. 1	0 to 18000 rpm	90 (75) rpm		-	21, 36	12-7
P0125	Multispeed Ref. 2	0 to 18000 rpm	300 (250) rpm		-	21, 36	12-7
P0126	Multispeed Ref. 3	0 to 18000 rpm	600 (500) rpm		-	21, 36	12-7
P0127	Multispeed Ref. 4	0 to 18000 rpm	900 (750) rpm		-	21, 36	12-7
P0128	Multispeed Ref. 5	0 to 18000 rpm	1200 (1000) rpm		-	21, 36	12-7
P0129	Multispeed Ref. 6	0 to 18000 rpm	1500 (1250) rpm		-	21, 36	12-7
P0130	Multispeed Ref. 7	0 to 18000 rpm	1800 (1500) rpm		-	21, 36	12-7
P0131	Multispeed Ref. 8	0 to 18000 rpm	1650 (1375) rpm		-	21, 36	12-7
P0132	Max. Overspeed Level	0 to 100 %	10 %		CFG	22, 45	12-5
P0133	Minimum Speed	0 to 18000 rpm	90 (75) rpm		-	04, 22	12-6
P0134	Maximum Speed	0 to 18000 rpm	1800 (1500) rpm		-	04, 22	12-6
P0135	Max. Output Current	0.2 to $2xI_{nom-HD}$	$1.5xI_{nom-HD}$		V/f and VVW	04, 26	9-7
P0136	Manual Torque Boost	0 to 9	1		V/f	04, 23	9-2
P0137	Autom. Torque Boost	0.00 to 1.00	0.00		V/f	23	9-2

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0138	Slip Compensation	-10.0 to 10.0 %	0.0 %		V/f	23	9-3
P0139	Output Current Filter	0.0 to 16.0 s	0.2 s		V/f and VVW	23, 25	9-4
P0140	Dwell Time At Start	0.0 to 10.0 s	0.0 s		V/f and VVW	23, 25	9-5
P0141	Dwell Speed At Start	0 to 300 rpm	90 rpm		V/f and VVW	23, 25	9-5
P0142	Max. Output Voltage	0.0 to 100.0 %	100.0 %		CFG and Adj	24	9-6
P0143	Interm.Output Voltage	0.0 to 100.0 %	50.0 %		CFG and Adj	24	9-6
P0144	3Hz Output Voltage	0.0 to 100.0 %	8.0 %		CFG and Adj	24	9-6
P0145	Field Weakening Speed	0 to 18000 rpm	1800 rpm		CFG and Adj	24	9-6
P0146	Intermediate Speed	0 to 18000 rpm	900 rpm		CFG and Adj	24	9-6
P0150	DC Regul. Type V/f	0 = Ramp Hold 1 = Ramp Accel.	0 = Ramp Hold		CFG, V/f and VVW	27	9-12
P0151	DC Regul. Level V/f	339 to 400 V 585 to 800 V 585 to 800 V 585 to 800 V 585 to 800 V 809 to 1000 V 809 to 1000 V 924 to 1200 V 924 to 1200 V	400 V (P0296=0) 800 V (P0296=1) 800 V (P0296=2) 800 V (P0296=3) 800 V (P0296=4) 1000 V (P0296=5) 1000 V (P0296=6) 1000 V (P0296=7) 1200 V (P0296=8)		V/f and VVW	27	9-12
P0152	DC Link Regul. P Gain	0.00 to 9.99	1.50		V/f and VVW	27	9-13
P0153	Dyn. Braking Level	339 to 400 V 585 to 800 V 585 to 800 V 585 to 800 V 585 to 800 V 809 to 1000 V 809 to 1000 V 924 to 1200 V 924 to 1200 V	375 V (P0296=0) 618 V (P0296=1) 675 V (P0296=2) 748 V (P0296=3) 780 V (P0296=4) 893 V (P0296=5) 972 V (P0296=6) 972 V (P0296=7) 1174 V (P0296=8)		-	28	14-1
P0154	Dyn. Braking Resistor	0.0 to 500.0 ohm	0.0 ohm		-	28	14-2
P0155	Dyn. B. Resist. Power	0.02 to 650.00 kW	2.60 kW		-	28	14-3
P0156	Overl.Curr.100% Speed	0.1 to 1.5x$I_{nom\text{-}ND}$	1.05x$I_{nom\text{-}ND}$		-	45	15-4
P0157	Overl.Curr. 50% Speed	0.1 to 1.5x$I_{nom\text{-}ND}$	0.9x$I_{nom\text{-}ND}$		-	45	15-4
P0158	Overl.Curr. 5% Speed	0.1 to 1.5x$I_{nom\text{-}ND}$	0.5x$I_{nom\text{-}ND}$		-	45	15-5
P0159	Motor Thermal Class	0 = Class 5 1 = Class 10 2 = Class 15 3 = Class 20 4 = Class 25 5 = Class 30 6 = Class 35 7 = Class 40 8 = Class 45	1 = Class 10		CFG	45	15-6
P0160	Speed Regul. Optimiz.	0 = Normal 1 = Saturated	0 = Normal		CFG and Vector	90	11-15
P0161	Speed Prop. Gain	0.0 to 63.9	7.4		Vector	90	11-16
P0162	Speed Integral Gain	0.000 to 9.999	0.023		Vector	90	11-16
P0163	LOC Reference Offset	-999 to 999	0		Vector	90	11-17
P0164	REM Reference Offset	-999 to 999	0		Vector	90	11-17
P0165	Speed Filter	0.012 to 1.000 s	0.012 s		Vector	90	11-17
P0166	Speed Diff. Gain	0.00 to 7.99	0.00		Vector	90	11-17
P0167	Current Prop. Gain	0.00 to 1.99	0.50		Vector	91	11-18
P0168	Current Integral Gain	0.000 to 1.999	0.010		Vector	91	11-18
P0169	Max. CW Torque Curr.	0.0 to 650.0 %	125.0 %		Vector	95	11-26
P0170	Max. CCW Torque Curr.	0.0 to 650.0 %	125.0 %		Vector	95	11-26
P0171	CW Torque Cur at Nmax	0.0 to 650.0 %	125.0 %		Vector	95	11-27

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P0172	CCW TorqueCur at Nmax	0.0 to 650.0 %	125.0 %		Vector	95	11-27
P0173	Max Torque Curve Type	0 = Ramp 1 = Step	0 = Ramp		Vector	95	11-28
P0175	Flux Proport. Gain	0.0 to 31.9	2.0		Vector	92	11-18
P0176	Flux Integral Gain	0.000 to 9.999	0.020		Vector	92	11-19
P0178	Rated Flux	0 to 120 %	100 %		Vector	92	11-19
P0179	Maximum Flux	0 to 120 %	120 %		Vector	92	11-19
P0181	Magnetization Mode	0 = General Enable 1 = Run/Stop	0 = General Enable		CFG and Encoder	92	11-20
P0182	Speed for I/F Activ.	0 to 90 rpm	18 rpm		Sless	93	11-21
P0183	Current in I/F Mode	0 to 9	1		Sless	93	11-21
P0184	DC Link Regul. Mode	0 = With losses 1 = Without losses 2 = Enab/Disab DIx	1 = Without losses		CFG and Vector	96	11-28
P0185	DC Link Regul. Level	339 to 400 V 585 to 800 V 585 to 800 V 585 to 800 V 585 to 800 V 809 to 1000 V 809 to 1000 V 924 to 1200 V 924 to 1200 V	400 V (P0296=0) 800 V (P0296=1) 800 V (P0296=2) 800 V (P0296=3) 800 V (P0296=4) 1000 V (P0296=5) 1000 V (P0296=6) 1000 V (P0296=7) 1200 V (P0296=8)		Vector	96	11-29
P0186	DC Link Prop. Gain	0.0 to 63.9	18.0		Vector	96	11-30
P0187	DC Link Integral Gain	0.000 to 9.999	0.002		Vector	96	11-30
P0188	Voltage Proport. Gain	0.000 to 7.999	0.200		Vector	92	11-20
P0189	Voltage Integral Gain	0.000 to 7.999	0.001		Vector	92	11-20
P0190	Max. Output Voltage	0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V	209 V (P0296=0) 361 V (P0296=1) 380 V (P0296=2) 418 V (P0296=3) 456 V (P0296=4) 499 V (P0296=5) 546 V (P0296=6) 570 V (P0296=7) 656 V (P0296=8)		Vector	92	11-20
P0191	Encoder Zero Search	0=Off 1=On	0=Off		-		12-22
P0192	Status Encoder Zero Search	0=Off 1=Finished	0=Off		RO		12-22
P0193	Day of the Week	0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday	0 = Sunday			30	5-3
P0194	Day	01 to 31	01		-	30	5-3
P0195	Month	01 to 12	01		-	30	5-3
P0196	Year	00 to 99	06		-	30	5-3
P0197	Hour	00 to 23	00		-	30	5-3
P0198	Minutes	00 to 59	00		-	30	5-3
P0199	Seconds	00 to 59	00		-	30	5-3
P0200	Password	0 = Off 1 = On 2 = Change Pass.	1 = On		-	30	5-4

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P0201	Language	0 = Português 1 = English 2 = Español 3 = Deutsch	0 = Português		-	30	5-4
P0202	Type of Control	0 = V/f 60 Hz 1 = V/f 50 Hz 2 = V/f Adjustable 3 = Sensorless 4 = Encoder 5 = VVW	0 = V/f 60 Hz		CFG	05, 23, 24, 25, 90, 91, 92, 93, 94, 95, 96	9-5
P0203	Special Function Sel.	0 = None 1 = PID Regulator	0 = None		CFG	46	20-9
P0204	Load/Save Parameters	0 = Not Used 1 = Not Used 2 = Reset P0045 3 = Reset P0043 4 = Reset P0044 5 = Load 60Hz 6 = Load 50Hz 7 = Load User 1 8 = Load User 2 9 = Load User 3 10 = Save User 1 11 = Save User 2 12 = Save User 3	0 = Not Used		CFG	06	7-1
P0205	Read Parameter Sel. 1	0 = Not selected 1 = Speed Refer. # 2 = Motor Speed # 3 = MotorCurrent # 4 = DC Link Volt # 5 = Motor Freq. # 6 = MotorVoltage # 7 = Motor Torque # 8 = Output Power # 9 = Process Var. # 10 = Setpoint PID # 11 = Speed Refer. - 12 = Motor Speed - 13 = MotorCurrent - 14 = DC Link Volt - 15 = Motor Freq. - 16 = MotorVoltage - 17 = Motor Torque - 18 = Output Power - 19 = Process Var. - 20 = Setpoint PID -	2 = Motor Speed #		-	30	5-4
P0206	Read Parameter Sel. 2	See options in P0205	3 = Motor Current #		-	30	5-4
P0207	Read Parameter Sel. 3	See options in P0205	5 = Motor Freq. #		-	30	5-4
P0208	Ref. Scale Factor	1 to 18000	1800 (1500)		-	30	5-5
P0209	Ref. Eng. Unit 1	32 to 127	114		-	30	5-6
P0210	Ref. Eng. Unit 2	32 to 127	112		-	30	5-6
P0211	Ref. Eng. Unit 3	32 to 127	109		-	30	5-6
P0212	Ref. Decimal Point	0 = wxyz 1 = wxy.z 2 = wx.yz 3 = w.xyz	0 = wxyz		-	30	5-5
P0213	Full Scale Read 1	0.0 to 200.0 %	100.0 %		CFG	30	5-7
P0214	Full Scale Read 2	0.0 to 200.0 %	100.0 %		CFG	30	5-7

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P0215	Full Scale Read 3	0.0 to 200.0 %	100.0 %		CFG	30	5-7
P0216	HMI Display Contrast	0 to 37	27		-	30	5-7
P0217	Zero Speed Disable	0 = Off 1 = On	0 = Off		CFG	35, 46	12-10
P0218	Zero Speed Dis. Out	0 = Ref. or Speed 1 = Reference	0 = Ref. or Speed		-	35, 46	12-10
P0219	Zero Speed Time	0 to 999 s	0 s		-	35, 46	12-11
P0220	LOC/REM Selection Src	0 = Always LOC 1 = Always REM 2 = LR Key LOC 3 = LR Key REM 4 = DIx 5 = Serial/USB LOC 6 = Serial/USB REM 7 = Anybus-CC LOC 8 = Anybus-CC REM 9 = CANop/DNet LOC 10 = CANop/DNet REM 11 = SoftPLC LOC 12 = SoftPLC REM 13 = PLC11 LOC 14 = PLC11 REM	2 = LR Key LOC		CFG	31, 32, 33, 110	13-28
P0221	LOC Reference Sel.	0 = Keypad 1 = AI1 2 = AI2 3 = AI3 4 = AI4 5 = Sum AIs > 0 6 = Sum AIs 7 = E.P. 8 = Multispeed 9 = Serial/USB 10 = Anybus-CC 11 = CANop/DNet 12 = SoftPLC 13 = PLC11	0 = Keypad		CFG	31, 36, 37, 38, 110	13-28
P0222	REM Reference Sel.	See options in P0221	1 = AI1		CFG	32, 36, 37, 38, 110	13-28
P0223	LOC FWD/REV Selection	0 = Always FWD 1 = Always REV 2 = FR Key FWD 3 = FR Key REV 4 = DIx 5 = Serial/USB FWD 6 = Serial/USB REV 7 = Anybus-CC FWD 8 = Anybus-CC REV 9 = CANop/DNet FWD 10 = CANop/DNet REV 11 = AI4 Polarity 12 = SoftPLC FWD 13 = SoftPLC REV 14 = AI2 Polarity 15 = PLC11 FWD 16 = PLC11 REV	2 = FR Key FWD		CFG	31, 33, 110	13-29

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0224	LOC Run/Stop Sel.	0 = I,O Keys 1 = DIx 2 = Serial/USB 3 = Anybus-CC 4 = CANop/DNet 5 = SoftPLC 6 = PLC11	0 = I,O Keys		CFG	31, 33, 110	13-30
P0225	LOC JOG Selection	0 = Disable 1 = JOG Key 2 = DIx 3 = Serial/USB 4 = Anybus-CC 5 = CANop/DNet 6 = SoftPLC 7 = PLC11	1 = JOG Key		CFG	31, 110	13-30
P0226	REM FWD/REV Sel.	See options in P0223	4 = DIx		CFG	32, 33, 110	13-29
P0227	REM Run/Stop Sel.	See options in P0224	1 = DIx		CFG	32, 33, 110	13-30
P0228	REM JOG Selection	See options in P0225	2 = DIx		CFG	32, 110	13-30
P0229	Stop Mode Selection	0 = Ramp to Stop 1 = Coast to Stop 2 = Fast Stop	0 = Ramp to Stop		CFG	31, 32, 33, 34	13-30
P0230	Dead Zone (AIs)	0 = Off 1 = On	0 = Off		-	38	13-1
P0231	AI1 Signal Function	0 = Speed Ref. 1 = No Ramp Ref. 2 = Max.Torque Cur 3 = Process Var. 4 = PTC 5 = Not Used 6 = Not Used 7 = PLC Use	0 = Speed Ref.		CFG	38, 95	13-2
P0232	AI1 Gain	0.000 to 9.999	1.000		-	38, 95	13-3
P0233	AI1 Signal Type	0 = 0 to 10V/20mA 1 = 4 to 20 mA 2 = 10V/20mA to 0 3 = 20 to 4 mA	0 = 0 to 10V/20mA		CFG	38, 95	13-5
P0234	AI1 Offset	-100.00 to 100.00 %	0.00 %		-	38, 95	13-4
P0235	AI1 Filter	0.00 to 16.00 s	0.00 s		-	38, 95	13-4
P0236	AI2 Signal Function	See options in P0231	0 = Speed Ref.		CFG	38, 95	13-2
P0237	AI2 Gain	0.000 to 9.999	1.000		-	38, 95	13-3
P0238	AI2 Signal Type	0 = 0 to 10V/20mA 1 = 4 to 20 mA 2 = 10V/20mA to 0 3 = 20 to 4 mA 4 = -10 to +10V	0 = 0 to 10V/20mA		CFG	38, 95	13-5
P0239	AI2 Offset	-100.00 to 100.00 %	0.00 %		-	38, 95	13-4
P0240	AI2 Filter	0.00 to 16.00 s	0.00 s		-	38, 95	13-4
P0241	AI3 Signal Function	0 = Speed Ref. 1 = No Ramp Ref. 2 = Max.Torque Cur 3 = Process Var. 4 = PTC 5 = Not Used 6 = Not Used 7 = PLC Use	0 = Speed Ref.		CFG	38, 95	13-2
P0242	AI3 Gain	0.000 to 9.999	1.000		-	38, 95	13-4

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0243	AI3 Signal Type	0 = 0 to 10V/20mA 1 = 4 to 20 mA 2 = 10V/20mA to 0 3 = 20 to 4 mA	0 = 0 to 10V/20mA		CFG	38, 95	13-5
P0244	AI3 Offset	-100.00 to 100.00 %	0.00 %		-	38, 95	13-4
P0245	AI3 Filter	0.00 to 16.00 s	0.00 s		-	38, 95	13-4
P0246	AI4 Signal Function	0 = Speed Ref. 1 = No Ramp Ref. 2 = Max.Torque Cur 3 = Process Var. 4 = Not Used 5 = Not Used 6 = Not Used 7 = PLC Use	0 = Speed Ref.		CFG	38, 95	13-3
P0247	AI4 Gain	0.000 to 9.999	1.000		-	38, 95	13-4
P0248	AI4 Signal Type	0 = 0 to 10V/20mA 1 = 4 to 20 mA 2 = 10V/20mA to 0 3 = 20 to 4 mA 4 = -10 to +10 V	0 = 0 to 10V/20mA		CFG	38, 95	13-5
P0249	AI4 Offset	-100.00 to 100.00 %	0.00 %		-	38, 95	13-4
P0250	AI4 Filter	0.00 to 16.00 s	0.00 s		-	38, 95	13-4
P0251	AO1 Function	0 = Speed Ref. 1 = Total Ref. 2 = Real Speed 3 = Torque Cur.Ref 4 = Torque Current 5 = Output Current 6 = Process Var. 7 = Active Current 8 = Output Power 9 = PID Setpoint 10 = Torque Cur.> 0 11 = Motor Torque 12 = SoftPLC 13 = PTC 14 = Not Used 15 = Not Used 16 = Motor Ixt 17 = Encoder Speed 18 = P0696 Value 19 = P0697 Value 20 = P0698 Value 21 = P0699 Value 22 = PLC11 23 = Id* Current	2 = Real Speed		-	39	13-6
P0252	AO1 Gain	0.000 to 9.999	1.000		-	39	13-8
P0253	AO1 Signal Type	0 = 0 to 10V/20mA 1 = 4 to 20 mA 2 = 10V/20mA to 0 3 = 20 to 4 mA	0 = 0 to 10V/20mA		CFG	39	13-10
P0254	AO2 Function	See options in P0251	5 = Output Current		-	39	13-6
P0255	AO2 Gain	0.000 to 9.999	1.000		-	39	13-8
P0256	AO2 Signal Type	0 = 0 to 10V/20mA 1 = 4 to 20 mA 2 = 10V/20mA to 0 3 = 20 to 4 mA	0 = 0 to 10V/20mA		CFG	39	13-10

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0257	AO3 Function	0 = Speed Ref. 1 = Total Ref. 2 = Real Speed 3 = Torque Cur.Ref 4 = Torque Current 5 = Output Current 6 = Process Var. 7 = Active Current 8 = Output Power 9 = PID Setpoint 10 = Torque Cur.> 0 11 = Motor Torque 12 = SoftPLC 13 = Not Used 14 = Not Used 15 = Not Used 16 = Motor Ixt 17 = Encoder Speed 18 = P0696 Value 19 = P0697 Value 20 = P0698 Value 21 = P0699 Value 22 = Not Used 23 = Id* Current 24 to 71 = Exclusive WEG Use	2 = Real Speed		-	39	13-7
P0258	AO3 Gain	0.000 to 9.999	1.000		-	39	13-8
P0259	AO3 Signal Type	0 = 0 to 20 mA 1 = 4 to 20 mA 2 = 20 to 0 mA 3 = 20 to 4 mA 4 = 0 to 10 V 5 = 10 to 0 V 6 = -10 to +10V	4 = 0 to 10 V		CFG	39	13-10
P0260	AO4 Function	See options in P0257	5 = Output Current		-	39	13-7
P0261	AO4 Gain	0.000 to 9.999	1.000		-	39	13-8
P0262	AO4 Signal Type	0 = 0 to 20 mA 1 = 4 to 20 mA 2 = 20 to 0 mA 3 = 20 to 4 mA 4 = 0 to 10 V 5 = 10 to 0 V 6 = -10 to +10V	4 = 0 to 10 V		CFG	39	13-10

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0263	DI1 Function	0 = Not Used 1 = Run/Stop 2 = General Enable 3 = Fast Stop 4 = FWD Run 5 = REV Run 6 = 3-Wire Start 7 = 3-Wire Stop 8 = FWD/REV 9 = LOC/REM 10 = JOG 11 = Increase EP 12 = Decrease EP 13 = Not Used 14 = Ramp 2 15 = Speed/Torque 16 = JOG+ 17 = JOG- 18 = No Ext. Alarm 19 = No Ext. Fault 20 = Reset 21 = PLC Use 22 = Manual/Auto 23 = Not Used 24 = Disab.FlyStart 25 = DC Link Regul. 26 = Progr. Off 27 = Load User 1/2 28 = Load User 3 29 = DO2 Timer 30 = DO3 Timer 31 = Trace Function	1 = Run/Stop		CFG	20, 31, 32, 33, 34, 37, 40, 44, 46	13-12
P0264	DI2 Function	See options in P0263	8 = FWD/REV		CFG	20, 31, 32, 33, 34, 37, 40, 44, 46	13-12
P0265	DI3 Function	See options in P0263	0 = Not Used		CFG	20, 31, 32, 33, 34, 37, 40, 44, 45, 46	13-12

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0266	DI4 Function	0 = Not Used 1 = Run/Stop 2 = General Enable 3 = Fast Stop 4 = FWD Run 5 = REV Run 6 = 3-Wire Start 7 = 3-Wire Stop 8 = FWD/REV 9 = LOC/REM 10 = JOG 11 = Increase EP 12 = Decrease EP 13 = Multispeed 14 = Ramp 2 15 = Speed/Torque 16 = JOG+ 17 = JOG- 18 = No Ext. Alarm 19 = No Ext. Fault 20 = Reset 21 = PLC Use 22 = Manual/Auto 23 = Not Used 24 = Disab.FlyStart 25 = DC Link Regul. 26 = Progr. Off 27 = Load User 1/2 28 = Load User 3 29 = DO2 Timer 30 = DO3 Timer 31 = Trace Function	0 = Not Used		CFG	20, 31, 32, 33, 34, 36, 37, 40, 44, 45, 46	13-12
P0267	DI5 Function	See options in P0266	10 = JOG		CFG	20, 31, 32, 33, 34, 36, 37, 40, 44, 45, 46	13-12
P0268	DI6 Function	See options in P0266	14 = Ramp 2		CFG	20, 31, 32, 33, 34, 36, 37, 40, 44, 45, 46	13-12
P0269	DI7 Function	See options in P0263	0 = Not Used		CFG	20, 31, 32, 33, 34, 37, 40, 44, 45, 46	13-12

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0270	DI8 Function	0 = Not Used 1 = Run/Stop 2 = General Enable 3 = Fast Stop 4 = FWD Run 5 = REV Run 6 = 3-Wire Start 7 = 3-Wire Stop 8 = FWD/REV 9 = LOC/REM 10 = JOG 11 = Increase EP 12 = Decrease EP 13 = Not Used 14 = Ramp 2 15 = Speed/Torque 16 = JOG+ 17 = JOG- 18 = No Ext. Alarm 19 = No Ext. Fault 20 = Reset 21 = Not Used 22 = Manual/Auto 23 = Not Used 24 = Disab.FlyStart 25 = DC Link Regul. 26 = Parametriz.Off 27 = Load User 1/2 28 = Load User 3 29 = DO2 Timer 30 = DO3 Timer 31 = Trace Function	0 = Not Used		CFG	20, 31, 32, 33, 34, 37, 40, 44, 45, 46	13-12

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0275	DO1 Function (RL1)	0 = Not Used 1 = N* > Nx 2 = N > Nx 3 = N < Ny 4 = N = N* 5 = Zero Speed 6 = Is > Ix 7 = Is < Ix 8 = Torque > Tx 9 = Torque < Tx 10 = Remote 11 = Run 12 = Ready 13 = No Fault 14 = No F070 15 = No F071 16 = No F006/21/22 17 = No F051/54/57 18 = No F072 19 = 4-20mA OK 20 = P0695 Value 21 = Forward 22 = Proc. V. > PVx 23 = Proc. V. < PVy 24 = Ride-Through 25 = Pre-Charge OK 26 = Fault 27 = Time Enab > Hx 28 = SoftPLC 29 = Not Used 30 = N>Nx/Nt>Nx 31 = F > Fx (1) 32 = F > Fx (2) 33 = STO 34 = No F160 35 = No Alarm 36 = No Fault and No Alarm 37 = PLC11	13 = No Fault		CFG	41	13-19

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0276	DO2 Function (RL2)	0 = Not Used 1 = N* > Nx 2 = N > Nx 3 = N < Ny 4 = N = N* 5 = Zero Speed 6 = Is > Ix 7 = Is < Ix 8 = Torque > Tx 9 = Torque < Tx 10 = Remote 11 = Run 12 = Ready 13 = No Fault 14 = No F070 15 = No F071 16 = No F006/21/22 17 = No F051/54/57 18 = No F072 19 = 4-20mA OK 20 = P0695 Value 21 = Forward 22 = Proc. V. > PVx 23 = Proc. V. < PVy 24 = Ride-Through 25 = Pre-Charge OK 26 = Fault 27 = Time Enab > Hx 28 = SoftPLC 29 = Timer 30 = N>Nx/Nt>Nx 31 = F > Fx (1) 32 = F > Fx (2) 33 = STO 34 = No F160 35 = No Alarm 36 = No Fault and No Alarm 37 = PLC11	2 = N > Nx		CFG	41	13-19
P0277	DO3 Function (RL3)	See options in P0276	1 = N* > Nx		CFG	41	13-19

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0278	DO4 Function	0 = Not Used 1 = N* > Nx 2 = N > Nx 3 = N < Ny 4 = N = N* 5 = Zero Speed 6 = Is > Ix 7 = Is < Ix 8 = Torque > Tx 9 = Torque < Tx 10 = Remote 11 = Run 12 = Ready 13 = No Fault 14 = No F070 15 = No F071 16 = No F006/21/22 17 = No F051/54/57 18 = No F072 19 = 4-20mA OK 20 = P0695 Value 21 = Forward 22 = Proc. V. > PVx 23 = Proc. V. < PVy 24 = Ride-Through 25 = Pre-Charge OK 26 = Fault 27 = Time Enab > Hx 28 = SoftPLC 29 = Not Used 30 = N>Nx/N>Nx 31 = F > Fx (1) 32 = F > Fx (2) 33 = STO 34 = No F160 35 = No Alarm 36 = No Fault/Alarm 37 = Not Used	0 = Not Used		CFG	41	13-19
P0279	DO5 Function	See options in P0278	0 = Not Used		CFG	41	13-19
P0281	Fx Frequency	0.0 to 300.0 Hz	4.0 Hz		-	41	13-25
P0282	Fx Hysteresis	0.0 to 15.0 Hz	2.0 Hz		-	41	13-25
P0283	DO2 ON Time	0.0 to 300.0 s	0.0 s		-	41	13-25
P0284	DO2 OFF Time	0.0 to 300.0 s	0.0 s		-	41	13-25
P0285	DO3 ON Time	0.0 to 300.0 s	0.0 s		-	41	13-25
P0286	DO3 OFF Time	0.0 to 300.0 s	0.0 s		-	41	13-25
P0287	Nx/Ny Hysteresis	0 to 900 rpm	18 (15) rpm		-	41	13-26
P0288	Nx Speed	0 to 18000 rpm	120 (100) rpm		-	41	13-26
P0289	Ny Speed	0 to 18000 rpm	1800 (1500) rpm		-	41	13-26
P0290	Ix Current	0 to $2xI_{nom-ND}$	$1.0xI_{nom-ND}$		-	41	13-26
P0291	Zero Speed Zone	0 to 18000 rpm	18 (15) rpm		-	35, 41, 46	13-26
P0292	N = N* Band	0 to 18000 rpm	18 (15) rpm		-	41	13-27
P0293	Tx Torque	0 to 200 %	100 %		-	41	13-27
P0294	Hx Time	0 to 6553 h	4320 h		-	41	13-27

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0295	ND/HD VFD Rated Curr.	0 = 3.6A / 3.6A 1 = 5A / 5A 2 = 6A / 5A 3 = 7A / 5.5A 4 = 7A / 7A 5 = 10A / 8A 6 = 10A / 10A 7 = 13A / 11A 8 = 13.5A / 11A 9 = 16A / 13A 10 = 17A / 13.5A 11 = 24A / 19A 12 = 24A / 20A 13 = 28A / 24A 14 = 31A / 25A 15 = 33.5A / 28A 16 = 38A / 33A 17 = 45A / 36A 18 = 45A / 38A 19 = 54A / 45A 20 = 58.5A / 47A 21 = 70A / 56A 22 = 70.5A / 61A 23 = 86A / 70A 24 = 88A / 73A 25 = 105A / 86A 26 = 427A / 427A 27 = 470A / 470A 28 = 811A / 811A 29 = 893A / 893A 30 = 1216A / 1216A 31 = 1339A / 1339A 32 = 1622A / 1622A 33 = 1786A / 1786A 34 = 2028A / 2028A 35 = 2232A / 2232A 36 = 2A / 2A 37 = 527A / 527A 38 = 1000A / 1000A 39 = 1500A / 1500A 40 = 2000A / 2000A 41 = 2500A / 2500A 42 = 600A / 515A 43 = 1140A / 979A 44 = 1710A / 1468A 45 = 2280A / 1957A 46 = 2850A / 2446A 47 = 105A / 88 A 48 = 142A / 115A 49 = 180A / 142A 50 = 211A / 180A	-		RO	09, 42	6-6

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0296	Line Rated Voltage	0 = 200 - 240 V 1 = 380 V 2 = 400 - 415 V 3 = 440 - 460 V 4 = 480 V 5 = 500 - 525 V 6 = 550 - 575 V 7 = 600 V 8 = 660 - 690 V	According to inverter model		CFG	42	6-7
P0297	Switching Frequency	0 = 1.25 kHz 1 = 2.5 kHz 2 = 5.0 kHz 3 = 10.0 kHz	2 = 5.0 kHz		CFG	42	6-7
P0298	Application	0 = Normal Duty 1 = Heavy Duty	0 = Normal Duty		CFG	42	6-8
P0299	DC-Braking Start Time	0.0 to 15.0 s	0.0 s		V/f, VVW and Sless	47	12-18
P0300	DC-Braking Stop Time	0.0 to 15.0 s	0.0 s		V/f, VVW and Sless	47	12-19
P0301	DC-Braking Speed	0 to 450 rpm	30 rpm		V/f, VVW and Sless	47	12-20
P0302	DC-Braking Voltage	0.0 to 10.0 %	2.0 %		V/f and VVW	47	12-20
P0303	Skip Speed 1	0 to 18000 rpm	600 rpm		-	48	12-21
P0304	Skip Speed 2	0 to 18000 rpm	900 rpm		-	48	12-21
P0305	Skip Speed 3	0 to 18000 rpm	1200 rpm		-	48	12-21
P0306	Skip Band	0 to 750 rpm	0 rpm		-	48	12-21
P0308	Serial Address	1 to 247	1		CFG	113	17-1
P0310	Serial Baud Rate	0 = 9600 bits/s 1 = 19200 bits/s 2 = 38400 bits/s 3 = 57600 bits/s	0 = 9600 bits/s		CFG	113	17-1
P0311	Serial Bytes Config.	0 = 8 bits, no, 1 1 = 8 bits, even,1 2 = 8 bits, odd, 1 3 = 8 bits, no, 2 4 = 8 bits, even,2 5 = 8 bits, odd, 2	3 = 8 bits, no, 2		CFG	113	17-1
P0312	Serial Protocol	1 = TP 2 = Modbus RTU	2 = Modbus RTU		CFG	113	17-1
P0313	Comm. Error Action	0 = Off 1 = Ramp Stop 2 = General Disab. 3 = Go to LOC 4 = LOC Keep Enab. 5 = Cause Fault	0 = Off		-	111	17-3
P0314	Serial Watchdog	0.0 to 999.0 s	0.0 s		CFG	113	17-1
P0316	Serial Interf. Status	0 = Off 1 = On 2 = Watchdog Error	-		RO	09, 113	17-1
P0317	Oriented Start-up	0 = No 1 = Yes	0 = No		CFG	02	10-5
P0318	Copy Function MemCard	0 = Off 1 = VFD -> MemCard 2 = MemCard -> VFD	1 = VFD -> MemCard		CFG	06	7-2
P0319	Copy Function HMI	0 = Off 1 = VFD -> HMI 2 = HMI -> VFD	0 = Off		CFG	06	7-3

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0320	FlyStart/Ride-Through	0 = Off 1 = Flying Start 2 = FS / RT 3 = Ride-Through	0 = Off		CFG	44	12-11
P0321	DC Link Power Loss	178 to 282 V 308 to 616 V 308 to 616 V 308 to 616 V 308 to 616 V 425 to 737 V 425 to 737 V 486 to 885 V 486 to 885 V	252 V (P0296=0) 436 V (P0296=1) 459 V (P0296=2) 505 V (P0296=3) 551 V (P0296=4) 602 V (P0296=5) 660 V (P0296=6) 689 V (P0296=7) 792 V (P0296=8)		Vector	44	12-16
P0322	DC Link Ride-Through	178 to 282 V 308 to 616 V 308 to 616 V 308 to 616 V 308 to 616 V 425 to 737 V 425 to 737 V 486 to 885 V 486 to 885 V	245 V (P0296=0) 423 V (P0296=1) 446 V (P0296=2) 490 V (P0296=3) 535 V (P0296=4) 585 V (P0296=5) 640 V (P0296=6) 668 V (P0296=7) 768 V (P0296=8)		Vector	44	12-16
P0323	DC Link Power Back	178 to 282 V 308 to 616 V 308 to 616 V 308 to 616 V 308 to 616 V 425 to 737 V 425 to 737 V 486 to 885 V 486 to 885 V	267 V (P0296=0) 462 V (P0296=1) 486 V (P0296=2) 535 V (P0296=3) 583 V (P0296=4) 638 V (P0296=5) 699 V (P0296=6) 729 V (P0296=7) 838 V (P0296=8)		Vector	44	12-17
P0325	Ride-Through P Gain	0.0 to 63.9	22.8		Vector	44	12-17
P0326	Ride-Through I Gain	0.000 to 9.999	0.128		Vector	44	12-17
P0327	F.S. Current Ramp I/f	0.000 to 1.000 s	0.070 s		Sless	44	12-12
P0328	Flying Start Filter	0.000 to 1.000 s	0.085 s		Sless	44	12-12
P0329	Frequency Ramp F.S.	2.0 to 50.0	6.0		Sless	44	12-12
P0331	Voltage Ramp	0.2 to 60.0 s	2.0 s		V/f and VVW	44	12-14
P0332	Dead Time	0.1 to 10.0 s	1.0 s		V/f and VVW	44	12-14
P0340	Auto-Reset Time	0 to 255 s	0 s			45	15-8
P0342	Motor Unbal.Curr.Conf	0 = Off 1 = On	0 = Off		CFG	45	15-9
P0343	Ground Fault Config.	0 = Off 1 = On	1 = On		CFG	45	15-9
P0344	Current Lim. Conf.	0 = Hold - FL ON 1 = Decel. - FL ON 2 = Hold - FL OFF 3 = Decel.- FL OFF	1 = Decel. - FL ON		CFG, V/f and VVW	26	9-7
P0348	Motor Overload Conf.	0 = Off 1 = Fault/Alarm 2 = Fault 3 = Alarm	1 = Fault/Alarm		CFG	45	15-9
P0349	Ixt Alarm Level	70 to 100 %	85 %		CFG	45	15-10
P0350	IGBTs Overload Conf.	0 = F, w/ SF rd. 1 = F/A, w/ SF rd. 2 = F, no SF rd. 3 = F/A, no SF rd.	1 = F/A, w/ SF rd.		CFG	45	15-10

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0351	Motor Overtemp. Conf.	0 = Off 1 = Fault/Alarm 2 = Fault 3 = Alarm	1 = Fault/Alarm		CFG	45	15-11
P0352	Fan Control Config.	0 = HS-OFF,Int-OFF 1 = HS-ON,Int-ON 2 = HS-CT,Int-CT 3 = HS-CT,Int-OFF 4 = HS-CT,Int-ON 5 = HS-ON,Int-OFF 6 = HS-ON,Int-CT 7 = HS-OFF,Int-ON 8 = HS-OFF,Int-CT	2 = HS-CT,Int-CT		CFG	45	15-12
P0353	IGBTs/Air Overtmp.Cfg	0 = HS-F/A,Air-F/A 1 = HS-F/A, Air-F 2 = HS-F, Air-F/A 3 = HS-F, Air-F	0 = HS-F/A,Air-F/A		CFG	45	15-13
P0354	Fan Speed Config.	0 = Off 1 = Fault	1 = Fault		CFG	45	15-13
P0356	Dead Time Compens.	0 = Off 1 = On	1 = On		CFG	45	15-13
P0357	Line Phase Loss Time	0 to 60 s	3 s		-	45	15-14
P0359	Motor Current Stabil.	0 = Off 1 = On	0 = Off		V/f and VVW	45	15-14
P0372	DC-Braking Curr Sless	0.0 to 90.0 %	40.0 %		Sless	47	12-20
P0397	Slip Compens. Regen.	0 = Off 1 = On	1 = On		CFG and VVW	25	10-3
P0398	Motor Service Factor	1.00 to 1.50	1.00		CFG	05, 43, 94	11-10
P0399	Motor Rated Eff.	50.0 to 99.9 %	67.0 %		CFG and VVW	05, 43, 94	10-3
P0400	Motor Rated Voltage	0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V 0 to 690 V	220 V (P0296=0) 440 V (P0296=1) 440 V (P0296=2) 440 V (P0296=3) 440 V (P0296=4) 575 V (P0296=5) 575 V (P0296=6) 690 V (P0296=7) 690 V (P0296=8)		CFG	05, 43, 94	11-11
P0401	Motor Rated Current	0 to 1.3x$I_{nom\text{-}ND}$	1.0x$I_{nom\text{-}ND}$		CFG	05, 43, 94	11-11
P0402	Motor Rated Speed	0 to 18000 rpm	1750 (1458) rpm		CFG	05, 43, 94	11-11
P0403	Motor Rated Frequency	0 to 300 Hz	60 (50) Hz		CFG	05, 43, 94	11-12

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0404	Motor Rated Power	0 = 0.33hp 0.25kW 1 = 0.5hp 0.37kW 2 = 0.75hp 0.55kW 3 = 1hp 0.75kW 4 = 1.5hp 1.1kW 5 = 2hp 1.5kW 6 = 3hp 2.2kW 7 = 4hp 3kW 8 = 5hp 3.7kW 9 = 5.5hp 4kW 10 = 6hp 4.5kW 11 = 7.5hp 5.5kW 12 = 10hp 7.5kW 13 = 12.5hp 9kW 14 = 15hp 11kW 15 = 20hp 15kW 16 = 25hp 18.5kW 17 = 30hp 22kW 18 = 40hp 30kW 19 = 50hp 37kW 20 = 60hp 45kW 21 = 75hp 55kW 22 = 100hp 75kW 23 = 125hp 90kW 24 = 150hp 110kW 25 = 175hp 130kW 26 = 180hp 132kW 27 = 200hp 150kW 28 = 220hp 160kW 29 = 250hp 185kW 30 = 270hp 200kW 31 = 300hp 220kW 32 = 350hp 260kW 33 = 380hp 280kW 34 = 400hp 300kW 35 = 430hp 315kW 36 = 440hp 330kW 37 = 450hp 335kW 38 = 475hp 355kW 39 = 500hp 375kW 40 = 540hp 400kW 41 = 600hp 450kW 42 = 620hp 460kW 43 = 670hp 500kW 44 = 700hp 525kW 45 = 760hp 570kW 46 = 800hp 600kW 47 = 850hp 630kW 48 = 900hp 670kW 49 = 1000hp 736kW 50 = 1100hp 810kW 51 = 1250hp 920kW 52 = 1400hp 1030kW 53 = 1500hp 1110kW 54 = 1600hp 1180kW 55 = 1800hp 1330kW 56 = 2000hp 1480kW 57 = 2300hp 1700kW 58 = 2500hp 1840kW	$Motor_{max\text{-}ND}$		CFG	05, 43, 94	11-12

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0405	Encoder Pulses Number	100 to 9999 ppr	1024 ppr		CFG	05, 43, 94	11-13
P0406	Motor Ventilation	0 = Self-Vent. 1 = Separate Vent. 2 = Optimal Flux	0 = Self-Vent.		CFG	05, 43, 94	11-14
P0407	Motor Rated Power Fac	0.50 to 0.99	0.68		CFG and VVW	05, 43, 94	10-4
P0408	Run Self-Tuning	0 = No 1 = No Rotation 2 = Run for I_m 3 = Run for T_m 4 = Estimate T_m	0 = No		CFG, VVW and Vector	05, 43, 94	11-22
P0409	Stator Resistance	0.000 to 9.999 ohm	0.000 ohm		CFG, VVW and Vector	05, 43, 94	11-23
P0410	Magnetization Current	0 to 1.25xI_{nom-ND}	I_{mag-ND}		-	05, 43, 94	11-24
P0411	Leakage Inductance	0.00 to 99.99 mH	0.00 mH		CFG and Vector	05, 43, 94	11-24
P0412	T_r Time Constant	0.000 to 9.999 s	0.000 s		Vector	05, 43, 94	11-25
P0413	T_m Time Constant	0.00 to 99.99 s	0.00 s		Vector	05, 43, 94	11-26
P0520	PID Proportional Gain	0.000 to 7.999	1.000		-	46	20-9
P0521	PID Integral Gain	0.000 to 7.999	0.043		-	46	20-9
P0522	PID Differential Gain	0.000 to 3.499	0.000		-	46	20-9
P0523	PID Ramp Time	0.0 to 999.0 s	3.0 s		-	46	20-10
P0524	PID Feedback Sel.	0 = AI1 (P0231) 1 = AI2 (P0236) 2 = AI3 (P0241) 3 = AI4 (P0246)	1 = AI2 (P0236)		CFG	38, 46	20-10
P0525	Keypad PID Setpoint	0.0 to 100.0 %	0.0 %		-	46	20-11
P0527	PID Action Type	0 = Direct 1 = Reverse	0 = Direct		-	46	20-11
P0528	Proc. V. Scale Factor	1 to 9999	1000		-	46	20-11
P0529	Proc.V. Decimal Point	0 = wxyz 1 = wxy.z 2 = wx.yz 3 = w.xyz	1 = wxy.z		-	46	20-12
P0530	Proc. V. Eng. Unit 1	32 to 127	37		-	46	20-12
P0531	Proc. V. Eng. Unit 2	32 to 127	32		-	46	20-12
P0532	Proc. V. Eng. Unit 3	32 to 127	32		-	46	20-13
P0533	PVx Value	0.0 to 100.0 %	90.0 %		-	46	20-13
P0534	PVy Value	0.0 to 100.0 %	10.0 %		-	46	20-13
P0535	Wake Up Band	0 to 100 %	0 %		-	35, 46	20-13
P0536	P0525 Autom. Setting	0 = Off 1 = On	1 = On		CFG	46	20-14
P0550	Trigger Signal Source	0 = Not selected 1 = Speed Refer. 2 = Motor Speed 3 = Motor Current 4 = DC Link Volt. 5 = Motor Freq. 6 = Motor Voltage 7 = Motor Torque 8 = Process Var. 9 = Setpoint PID 10 = AI1 11 = AI2 12 = AI3 13 = AI4	0 = Not selected		-	52	19-1
P0551	Trigger Level	-100.0 to 340.0 %	0.0 %		-	52	19-1

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0552	Trigger Condition	0 = P0550* = P0551 1 = P0550* <>P0551 2 = P0550* > P0551 3 = P0550* < P0551 4 = Alarm 5 = Fault 6 = DIx	5 = Fault		-	52	19-2
P0553	Trace Sampling Period	1 to 65535	1		-	52	19-3
P0554	Trace Pre-Trigger	0 to 100 %	0 %		-	52	19-3
P0559	Trace Max. Memory	0 to 100 %	0 %		-	52	19-3
P0560	Trace Avail. Memory	0 to 100 %	-		RO	52	19-4
P0561	Trace Channel 1 (CH1)	0 = Not selected 1 = Speed Refer. 2 = Motor Speed 3 = Motor Current 4 = DC Link Volt. 5 = Motor Freq. 6 = Motor Voltage 7 = Motor Torque 8 = Process Var. 9 = Setpoint PID 10 = AI1 11 = AI2 12 = AI3 13 = AI4	1 = Speed Refer.		-	52	19-4
P0562	Trace Channel 2 (CH2)	See options in P0561	2 = Motor Speed		-	52	19-4
P0563	Trace Channel 3 (CH3)	See options in P0561	3 = Motor Current		-	52	19-4
P0564	Trace Channel 4 (CH4)	See options in P0561	0 = Not selected		-	52	19-4
P0571	Start Trace Function	0 = Off 1 = On	0 = Off		-	52	19-5
P0572	Trace Trig. Day/Month	00/00 to 31/12	-		RO	09, 52	19-5
P0573	Trace Trig. Year	00 to 99	-		RO	09, 52	19-5
P0574	Trace Trig. Time	00:00 to 23:59	-		RO	09, 52	19-5
P0575	Trace Trig. Seconds	00 to 59	-		RO	09, 52	19-5
P0576	Trace Function Status	0 = Off 1 = Waiting 2 = Trigger 3 = Concluded	-		RO	09, 52	19-6
P0680	Logical Status	Bit 0 to 4 = Not Used Bit 5 = 2nd Ramp Bit 6 = Config. Mode Bit 7 = Alarm Bit 8 = Running Bit 9 = Enabled Bit 10 = Forward Bit 11 = JOG Bit 12 = Remote Bit 13 = Subvoltage Bit 14 = Automatic(PID) Bit 15 = Fault	-		RO	09, 111	17-3
P0681	Speed in 13 bits	-32768 to 32767	-		RO	09, 111	17-3

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0682	Serial/USB Control	Bit 0 = Ramp Enable Bit 1 = General Enable Bit 2 = Run Forward Bit 3 = JOG Enable Bit 4 = Remote Bit 5 = 2nd Ramp Bit 6 = Reserved Bit 7 = Fault Reset Bit 8 to 15 = Reserved	-		RO	09, 111	17-1
P0683	Serial/USB Speed Ref.	-32768 to 32767	-		RO	09, 111	17-1
P0684	CANopen/DNet Control	See options in P0682	-		RO	09, 111	17-1
P0685	CANop./DNet Speed Ref	-32768 to 32767	-		RO	09, 111	17-1
P0686	Anybus-CC Control	See options in P0682	-		RO	09, 111	17-2
P0687	Anybus-CC Speed Ref.	-32768 to 32767	-		RO	09, 111	17-2
P0692	Operation Mode Status	Bit 0 = Orient.Startup Bit 1 = Not Used Bit 2 = Self Tuning Bit 3 = AutoGuided P318 Bit 4 = Copy Function Bit 5 = Copying MMF Bit 6 = Reprogram.Inv. Bit 7 = Aux Supply 24V Bit 8 = Incomp. Param. Bit 9 to 15 = Incomp. Code	-		RO	09, 111	17-3
P0693	Operation Mode Command	Bit 0 = Abort Startup Bit 1 = Not Used Bit 2 = Abort SelfTun. Bit 3 = Abort P0318 Bit 4 = Reserved Bit 5 = Abort MMF Copy Bit 6 and 7 = Reserved Bit 8 = Update Depend. Bit 9 to 15 = Reserved	-		RO	09, 111	17-3
P0695	DOx Value	Bit 0 = DO1 Bit 1 = DO2 Bit 2 = DO3 Bit 3 = DO4 Bit 4 = DO5	-		RO	09, 111	17-3
P0696	AOx Value 1	-32768 to 32767	-		RO	09, 111	17-3
P0697	AOx Value 2	-32768 to 32767	-		RO	09, 111	17-3
P0698	AOx Value 3	-32768 to 32767	-		RO	09, 111	17-3
P0699	AOx Value 4	-32768 to 32767	-		RO	09, 111	17-4
P0700	CAN Protocol	1 = CANopen 2 = DeviceNet	1 = CANopen		CFG	112	17-1
P0701	CAN Address	0 to 127	63		CFG	112	17-1

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0702	CAN Baud Rate	0 = 1 Mbit/s 1 = Reserved 2 = 500 Kbit/s 3 = 250 Kbit/s 4 = 125 Kbit/s 5 = 100 Kbit/s 6 = 50 Kbit/s 7 = 20 Kbit/s 8 = 10 Kbit/s	0 = 1 Mbit/s		CFG	112	17-1
P0703	Bus Off Reset	0 = Manual 1 = Automatic	1 = Automatic		CFG	112	17-1
P0705	CAN Controller Status	0 = Disabled 1 = Auto-baud 2 = CAN Enabled 3 = Warning 4 = Error Passive 5 = Bus Off 6 = No Bus Power	-		RO	09, 112	17-1
P0706	RX CAN Telegrams	0 to 65535	-		RO	09, 112	17-1
P0707	TX CAN Telegrams	0 to 65535	-		RO	09, 112	17-2
P0708	Bus Off Counter	0 to 65535	-		RO	09, 112	17-2
P0709	CAN Lost Messages	0 to 65535	-		RO	09, 112	17-2
P0710	DNet I/O instances	0 = ODVA Basic 2W 1 = ODVA Extend 2W 2 = Manuf.Spec. 2W 3 = Manuf.Spec. 3W 4 = Manuf.Spec. 4W 5 = Manuf.Spec. 5W 6 = Manuf.Spec. 6W	0 = ODVA Basic 2W		-	112	17-2
P0711	DNet Read Word #3	-1 to 1499	-1		-	112	17-2
P0712	DNet Read Word #4	-1 to 1499	-1		-	112	17-2
P0713	DNet Read Word #5	-1 to 1499	-1		-	112	17-2
P0714	DNet Read Word #6	-1 to 1499	-1		-	112	17-2
P0715	DNet Write Word #3	-1 to 1499	-1		-	112	17-2
P0716	DNet Write Word #4	-1 to 1499	-1		-	112	17-2
P0717	DNet Write Word #5	-1 to 1499	-1		-	112	17-2
P0718	DNet Write Word #6	-1 to 1499	-1		-	112	17-2
P0719	DNet Network Status	0 = Offline 1 = OnLine,NotConn 2 = OnLine,Conn 3 = Conn.Timed-out 4 = Link Failure 5 = Auto-Baud	-		RO	09, 112	17-2
P0720	DNet Master Status	0 = Run 1 = Idle	-		RO	09, 112	17-2
P0721	CANopen Comm. Status	0 = Disabled 1 = Reserved 2 = Comm. Enabled 3 = ErrorCtrl.Enab 4 = Guarding Error 5 = HeartbeatError	-		RO	09, 112	17-2
P0722	CANopen Node State	0 = Disabled 1 = Initialization 2 = Stopped 3 = Operational 4 = PreOperational	-		RO	09, 112	17-2

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0723	Anybus Identification	0 = Disabled 1 = RS232 2 = RS422 3 = USB 4 = Serial Server 5 = Bluetooth 6 = Zigbee 7 = Reserved 8 = Reserved 9 = Reserved 10 = RS485 11 = Reserved 12 = Reserved 13 = Reserved 14 = Reserved 15 = Reserved 16 = Profibus DP 17 = DeviceNet 18 = CANopen 19 = EtherNet/IP 20 = CC-Link 21 = Modbus-TCP 22 = Modbus-RTU 23 = Profinet IO 24 = Reserved 25 = Reserved	-		RO	09, 114	17-2
P0724	Anybus Comm. Status	0 = Disabled 1 = Not Supported 2 = Access Error 3 = Offline 4 = Online	-		RO	09, 114	17-2
P0725	Anybus Address	0 to 255	0		CFG	114	17-2
P0726	Anybus Baud Rate	0 to 3	0		CFG	114	17-2
P0727	Anybus I/O Words	2 = 2 Words 3 = 3 Words 4 = 4 Words 5 = 5 Words 6 = 6 Words 7 = 7 Words 8 = 8 Words 9 = PLC11 Board	2 = 2 Words		CFG	114	17-3
P0728	Anybus Read Word #3	0 to 1499	0		CFG	114	17-3
P0729	Anybus Read Word #4	0 to 1499	0		CFG	114	17-3
P0730	Anybus Read Word #5	0 to 1499	0		CFG	114	17-3
P0731	Anybus Read Word #6	0 to 1499	0		CFG	114	17-3
P0732	Anybus Read Word #7	0 to 1499	0		CFG	114	17-3
P0733	Anybus Read Word #8	0 to 1499	0		CFG	114	17-3
P0734	Anybus Write Word #3	0 to 1499	0		CFG	114	17-3
P0735	Anybus Write Word #4	0 to 1499	0		CFG	114	17-3
P0736	Anybus Write Word #5	0 to 1499	0		CFG	114	17-3
P0737	Anybus Write Word #6	0 to 1499	0		CFG	114	17-3
P0738	Anybus Write Word #7	0 to 1499	0		CFG	114	17-3
P0739	Anybus Write Word #8	0 to 1499	0		CFG	114	17-3
P0740	Profibus Comm. Status	0 = Disabled 1 = Not Supported 2 = Access Error 3 = Offline 4 = Online	-		RO	09, 115	-

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P0800	Phase U Book 1 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-13
P0801	Phase V Book 1 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-13
P0802	Phase W Book 1 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-13
P0803	Phase U Book 2 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-13
P0804	Phase V Book 2 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0805	Phase W Book 2 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0806	Phase U Book 3 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0807	Phase V Book 3 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0808	Phase W Book 3 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0809	Phase U Book 4 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0810	Phase V Book 4 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0811	Phase W Book 4 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0812	Phase U Book 5 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0813	Phase V Book 5 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0814	Phase W Book 5 Temper	-20.0 to 150.0 °C	-		CFW-11M and RO	09, 45	16-14
P0832	DIM1 Function	0 = Not Used 1 = Extern Fault 2 = Refrig. Fault 3 = Overtemp. Brk 4 = Overtemp. Ret. 5 = High Temp. Ret	0 = Not Used		CFW-11M	45, 40	15-15
P0833	DIM2 Function	See options in P0832	0 = Not Used		CFW-11M	45, 40	15-15
P0834	DIM1 DIM2 Status	Bit 0 = DIM1 Bit 1 = DIM2	-		CFW-11M and RO	09, 40	16-14
P1000	SoftPLC Status	0 = No Application 1 = Install. App. 2 = Incompat. App. 3 = App. Stopped 4 = App. Running	0 = No Application		RO	09, 50	18-1
P1001	SoftPLC Command	0 = Stop Program 1 = Run Program 2 = Delete Program	0 = Stop Program		CFG	50	18-1
P1002	Scan Cycle Time	0 to 65535 ms	-		RO	09, 50	18-1
P1010	SoftPLC Parameter 1	-32768 to 32767	0		CFG	50	18-1
P1011	SoftPLC Parameter 2	-32768 to 32767	0		CFG	50	18-1
P1012	SoftPLC Parameter 3	-32768 to 32767	0		CFG	50	18-1
P1013	SoftPLC Parameter 4	-32768 to 32767	0		CFG	50	18-1
P1014	SoftPLC Parameter 5	-32768 to 32767	0		CFG	50	18-1
P1015	SoftPLC Parameter 6	-32768 to 32767	0		CFG	50	18-1
P1016	SoftPLC Parameter 7	-32768 to 32767	0		CFG	50	18-1
P1017	SoftPLC Parameter 8	-32768 to 32767	0		CFG	50	18-1
P1018	SoftPLC Parameter 9	-32768 to 32767	0		CFG	50	18-1

Parameter	Function	Adjustable Range	Factory Setting	User Setting	Proprieties	Groups	Pag.
P1019	SoftPLC Parameter 10	-32768 to 32767	0		CFG	50	18-1
P1020	SoftPLC Parameter 11	-32768 to 32767	0		CFG	50	18-1
P1021	SoftPLC Parameter 12	-32768 to 32767	0		CFG	50	18-1
P1022	SoftPLC Parameter 13	-32768 to 32767	0		CFG	50	18-1
P1023	SoftPLC Parameter 14	-32768 to 32767	0		CFG	50	18-1
P1024	SoftPLC Parameter 15	-32768 to 32767	0		CFG	50	18-1
P1025	SoftPLC Parameter 16	-32768 to 32767	0		CFG	50	18-1
P1026	SoftPLC Parameter 17	-32768 to 32767	0		CFG	50	18-1
P1027	SoftPLC Parameter 18	-32768 to 32767	0		CFG	50	18-1
P1028	SoftPLC Parameter 19	-32768 to 32767	0		CFG	50	18-1
P1029	SoftPLC Parameter 20	-32768 to 32767	0		CFG	50	18-1
P1030	SoftPLC Parameter 21	-32768 to 32767	0		CFG	50	18-1
P1031	SoftPLC Parameter 22	-32768 to 32767	0		CFG	50	18-1
P1032	SoftPLC Parameter 23	-32768 to 32767	0		CFG	50	18-1
P1033	SoftPLC Parameter 24	-32768 to 32767	0		CFG	50	18-1
P1034	SoftPLC Parameter 25	-32768 to 32767	0		CFG	50	18-1
P1035	SoftPLC Parameter 26	-32768 to 32767	0		CFG	50	18-1
P1036	SoftPLC Parameter 27	-32768 to 32767	0		CFG	50	18-1
P1037	SoftPLC Parameter 28	-32768 to 32767	0		CFG	50	18-1
P1038	SoftPLC Parameter 29	-32768 to 32767	0		CFG	50	18-1
P1039	SoftPLC Parameter 30	-32768 to 32767	0		CFG	50	18-1
P1040	SoftPLC Parameter 31	-32768 to 32767	0		CFG	50	18-1
P1041	SoftPLC Parameter 32	-32768 to 32767	0		CFG	50	18-1
P1042	SoftPLC Parameter 33	-32768 to 32767	0		CFG	50	18-1
P1043	SoftPLC Parameter 34	-32768 to 32767	0		CFG	50	18-1
P1044	SoftPLC Parameter 35	-32768 to 32767	0		CFG	50	18-1
P1045	SoftPLC Parameter 36	-32768 to 32767	0		CFG	50	18-1
P1046	SoftPLC Parameter 37	-32768 to 32767	0		CFG	50	18-1
P1047	SoftPLC Parameter 38	-32768 to 32767	0		CFG	50	18-1
P1048	SoftPLC Parameter 39	-32768 to 32767	0		CFG	50	18-1
P1049	SoftPLC Parameter 40	-32768 to 32767	0		CFG	50	18-1

Notes:
RO = Read only parameter
rw = Read/write parameter
CFG = Configuration parameter, value can be programmed only with motor stopped
V/f = Available when V/f control mode is chosen
Adj = Available when adjustable V/f control mode is chosen
VVW = Available when VVW control mode is chosen
Vector = Available when a vector control mode is chosen
Sless = Available when sensorless control mode is chosen
Encoder = Available when vector control with encoder is chosen
CFW-11M = Available for Modular Drive models