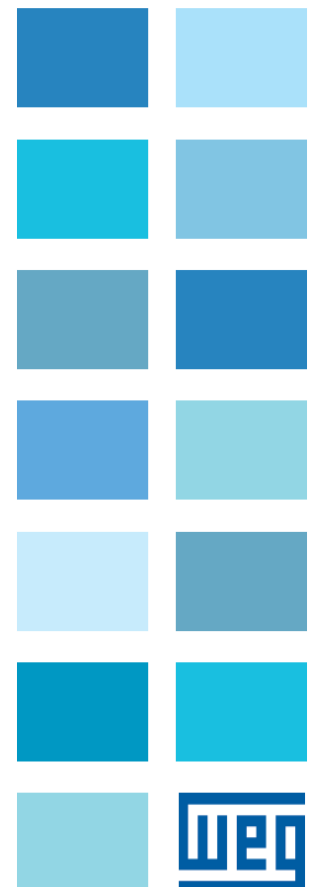


Medium Voltage Frequency Inverter

MVW3000

COMMUNICATION TABLE





COMMUNICATION TABLE

Series: MVW3000
Language: English
Document: 10008324298 / 00

Date: 02/12/2021

Revision	Description	Date	Designed by	Approved by
00	Initial Version	12/02/2021	JRS	GAP

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
P0000	Parameter access password			0	1 Word	integer	0	999			
P0001	Motor speed reference	Read-only		1	1 Word	integer	-32768	32767			rpm
P0002	Motor speed	Read-only		2	1 Word	integer	-32768	32767			rpm
P0003	Motor current	Read-only		3	1 Word	unsigned integer	0	65535	0.0	6553.5	A
P0005	Motor frequency	Read-only		5	1 Word	integer	-32768	32767	-3276.8	3276.7	Hz
P0006	VFD status	Read-only		6	1 Word	integer	0	30			
	0 = Booting										
	1 = Sub										
	2 = Inverter ready										
	3 = Motor Mag.										
	4 = Motor ready										
	5 = Ramp Up										
	6 = Ramp Down										
	7 = In reference										
	8 = Reserved										
	9 = Coast										
	10 = Ride-Through										
	11 = Flying Start										
	12 = Test Mode										
	13 = Invertes test state										
	14 = Reserved										
	15 = Reserved										
	16 = Fault										
	17 = Alarm										
	18 = Calibration process										
	19 = Hold										
	20 = I Limit										
	21 = Fast current limitation										
	22 = Ride-Through without interruption										
	23 = Hold 2										
	24 = Sync Run										
	25 = Fast disable										
	26 = Sync OK										
	27 = Reserved										
	28 = Reserved										
	29 = Bypass										
	30 = Bypass										
P0009	Motor torque	Read-only		9	1 Word	integer	-32768	32767	-3276.8	3276.7	%
P0010	Inverter output power	Read-only		10	1 Word	integer	-32768	32767			kW
P0012	Digital inputs DI1 to DI10 status	Read-only		12	1 Word	unsigned integer	0	65535			
	Bit 0 = DI8										
	Bit 1 = DI7										
	Bit 2 = DI6										
	Bit 3 = DI5										
	Bit 4 = DI4										
	Bit 5 = DI3										
	Bit 6 = DI2										
	Bit 7 = DI1										
	Bit 8 = DI9										
	Bit 9 = DI10										
P0013	Digital outputs DO1 to RL5 status	Read-only		13	1 Word	unsigned integer	0	65535			
	Bit 1 = RL5										
	Bit 2 = RL4										
	Bit 3 = RL3										
	Bit 4 = RL2										
	Bit 5 = RL1										
	Bit 6 = DO2										
	Bit 7 = DO1										
P0018	Value of analog input AI1	Read-only		18	1 Word	integer	-32768	32767	-3276.8	3276.7	%
P0019	Value of analog input AI2	Read-only		19	1 Word	integer	-32768	32767	-3276.8	3276.7	%
P0020	Value of analog input AI3	Read-only		20	1 Word	integer	-32768	32767	-3276.8	3276.7	%
P0021	Value of analog input AI4	Read-only		21	1 Word	integer	-32768	32767	-3276.8	3276.7	%

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
Data Transmission		Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
P0022	Temperature on MVC3 board	Read-only		22	1 Word	integer	-32768	32767	-3276.8	3276.7	°C
P0023	MVC4 board software version	Read-only		23	1 Word	integer	-32768	32767	-327.68	327.67	
P0025	Iv current	Read-only		25	1 Word	integer	-32768	32767	-3276.8	3276.7	A
P0026	Iw current	Read-only		26	1 Word	integer	-32768	32767	-3276.8	3276.7	A
P0027	Iu current	Read-only		27	1 Word	integer	-32768	32767	-3276.8	3276.7	A
P0028	Value of analog input AI5	Read-only		28	1 Word	integer	-32768	32767	-3276.8	3276.7	%
P0030	Temperature register channel 1	Read-only		30	1 Word	integer	-32768	32767			°C
P0031	Temperature register channel 2	Read-only		31	1 Word	integer	-32768	32767			°C
P0032	Temperature register channel 3	Read-only		32	1 Word	integer	-32768	32767			°C
P0033	Temperature register channel 4	Read-only		33	1 Word	integer	-32768	32767			°C
P0034	Temperature register channel 5	Read-only		34	1 Word	integer	-32768	32767			°C
P0035	Temperature register channel 6	Read-only		35	1 Word	integer	-32768	32767			°C
P0036	Temperature register channel 7	Read-only		36	1 Word	integer	-32768	32767			°C
P0037	Temperature register channel 8	Read-only		37	1 Word	integer	-32768	32767			°C
P0038	Encoder speed	Read-only		38	1 Word	integer	-32768	32767			rpm
P0040	Value of process variable (PID)	Read-only		40	1 Word	integer	-32768	32767	-3276.8	3276.7	%
P0041	Active redundant ventilation set	Read-only		41	1 Word	integer	0	7			
	0 = Set A is active										
	1 = Set B is active										
	2 = Set A is active - Set B has failed										
	3 = Set B is active - Set A has failed										
	4 = Set A is active - Sets A and B have failed										
	5 = Set B is active - Sets A and B have failed										
	6 = Set A automatic test										
	7 = Set B automatic test										
P0042	Time powered counter	Read-only		42	1 Word	unsigned integer	0	65535			h
P0043	Time enabled counter	Read-only		43	1 Word	unsigned integer	0	65535	0.0	6553.5	h
P0045	HMI software version	Read-only		45	1 Word	integer	-32768	32767	-327.68	327.67	
P0066	MVC3 board software version	Read-only		66	1 Word	integer	-32768	32767	-327.68	327.67	
P0067	Error Register			67	1 Word	integer	1	100			
P0068	Present Error	Read-only		68	1 Word	integer	-32768	32767			
P0070	Status of the MVC3 board digital inputs DI1, DI2, ..., DI16	Read-only		70	1 Word	unsigned integer	0	65535			
	Bit 0 = DI16 - State of mechanically locked doors										
	Bit 1 = DI15 - Not used										
	Bit 2 = DI14 - Not used										
	Bit 3 = DI13 - General enable										
	Bit 4 = DI12 - Inverter main transformer fault										
	Bit 5 = DI11 - Inverter main transformer alarm										
	Bit 6 = DI10 - Cooling system supply fault										
	Bit 7 = DI9 - Not used										
	Bit 8 = DI8 - Not used										
	Bit 9 = DI7 - Pre-charge supply fault										
	Bit 10 = DI6 - See P1739 (RL8 Function MVC3)										
	Bit 11 = DI5 - Enabling of the input protection										
	Bit 12 = DI4 - Circuit breaker OFF state										
	Bit 13 = DI3 - Circuit breaker ON state										
	Bit 14 = DI2 - Circuit breaker Ready										
	Bit 15 = DI1 - Power ON (Starts pre-charge)										
P0071	Status of MVC3 board relay digital outputs RL1 to RL8	Read-only		71	1 Word	unsigned integer	0	65535			
	Bit 0 = RL8 - Refer to P1739 (RL8 Function MVC3)										
	Bit 1 = RL7 - Turns on the inverter ventilation										
	Bit 2 = RL6 - Circuit break ON										
	Bit 3 = RL5 - 2nd stage pre-charge										
	Bit 4 = RL4 - Turns off input circuit breaker										
	Bit 5 = RL3 - Closes input circuit breaker										
	Bit 6 = RL2 - 1st stage pre-charge										
	Bit 7 = RL1 - Inverter Ready										
P0076	i x t Overload	Read-only		76	1 Word	integer	-32768	32767	-3276.8	3276.7	%
P0077	Motor field current	Read-only		77	1 Word	integer	-32768	32767	-3276.8	3276.7	A
P0078	Brushless synchronous motor voltage	Read-only		78	1 Word	integer	-32768	32767			V
P0079	Synchronous motor shaft position	Read-only		79	1 Word	integer	-32768	32767			°
P0080	Date (dd/mm/yy)	Read-only		80	1 Word	integer	-32768	32767			

COMMUNICATION TABLE
MVW3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:										
Equipment	Customer DCS	WEG VSD		Field:	Explanation:	Field:	Explanation:							
Protocol	Modbus-RTU	Modbus-RTU		Tag	Short name of the signal.	Register values:	Real data transferred							
Configuration file (GSD, EDS...)	-	-		Description	Description of the signal.	Low	Lowest value in the register							
HW interface		MVC4:XC7 MVC4:XC9		Register master	Location of the signal in master device memory.	High	Highest value in the register							
Baud rate		P0312 - Serial protocol		Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value							
Bus address/Device Name		P0308 - VFD address		Data length	Length of data in specified units.	Low	Lowest engineering value							
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value							
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.							
				Master to slave	Master device sends signal to slave device.									
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit			
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High				
P0081	Hour (24hs)	Read-only		81	1 Word	integer	-32768	32767						
P0100	Acceleration time			100	1 Word	integer	0	9990	0.0	999.0	s			
P0101	Deceleration time			101	1 Word	integer	0	9990	0.0	999.0	s			
P0102	Acceleration time 2nd ramp			102	1 Word	integer	0	9990	0.0	999.0	s			
P0103	Deceleration time 2nd ramp			103	1 Word	integer	0	9990	0.0	999.0	s			
P0104	S Ramp			104	1 Word	integer	0	1000	0.0	100.0	%			
P0119	Reactive power reference for the power factor control			119	1 Word	integer	-9999	9999	-99.99	99.99	%			
P0120	Reference Backup			120	1 Word	integer	0	1						
	0 = Inactive 1 = Active													
P0121	HMI speed reference			121	1 Word	integer	0	7200			rpm			
P0122	Speed reference for JOG or JOG+			122	1 Word	integer	0	8192			rpm			
P0123	Speed reference for JOG-			123	1 Word	integer	0	8192			rpm			
P0124	Multispeed reference 1			124	1 Word	integer	0	4095			rpm			
P0125	Multispeed reference 2			125	1 Word	integer	0	4095			rpm			
P0126	Multispeed reference 3			126	1 Word	integer	0	4095			rpm			
P0127	Multispeed reference 4			127	1 Word	integer	0	4095			rpm			
P0128	Multispeed reference 5			128	1 Word	integer	0	4095			rpm			
P0129	Multispeed reference 6			129	1 Word	integer	0	4095			rpm			
P0130	Multispeed reference 7			130	1 Word	integer	0	4095			rpm			
P0131	Multispeed reference 8			131	1 Word	integer	0	4095			rpm			
P0132	Maximum overspeed level			132	1 Word	integer	0	100			%			
P0133	Minimum speed reference			133	1 Word	integer	0	7200			rpm			
P0134	Maximum speed reference			134	1 Word	integer	0	7200			rpm			
P0136	Addition on the manual torque curve (IxR)			136	1 Word	integer	0	100						
P0137	Addition on the automatic torque curve			137	1 Word	integer	0	1000						
P0138	Rated slip			138	1 Word	integer	-1000	1000	-10.00	10.00	%			
P0139	Output current filter			139	1 Word	integer	0	160	0.0	16.0	s			
P0141	Number of hours for alternating ventilation set			141	1 Word	integer	1	9999			h			
P0142	Maximum Voltage			142	1 Word	integer	0	1000	0.0	100.0	%			
P0143	Intermediate output voltage			143	1 Word	integer	0	1000	0.0	100.0	%			
P0144	Output voltage at 3 Hz			144	1 Word	integer	0	1000	0.0	100.0	%			
P0145	Field weakening speed			145	1 Word	integer	0	7200			rpm			
P0146	Intermediate speed			146	1 Word	integer	90	7200			rpm			
P0151	DC Link voltage regulation actuation level			151	1 Word	integer	1071	1200			V			
P0152	Proportional gain of the DC link voltage regulator			152	1 Word	integer	0	999	0.00	9.99				
P0156	Overload current at 100 %			156	1 Word	unsigned integer	0	10800	0.0	1080.0	A			
P0157	Overload current at 50 %			157	1 Word	unsigned integer	0	10800	0.0	1080.0	A			
P0158	Overload current at 5 %			158	1 Word	unsigned integer	0	10800	0.0	1080.0	A			
P0159	Temperature alarm I x t			159	1 Word	integer	0	100			%			
P0161	Speed regulator proportional gain			161	1 Word	integer	0	2000	0.0	200.0				
P0162	Integration constant of the speed regulator			162	1 Word	integer	1	9999						
P0163	Local reference offset			163	1 Word	integer	-999	999						
P0164	Remote reference offset			164	1 Word	integer	-999	999						
P0165	Time constant of the measured speed filter			165	1 Word	integer	1	1000	0.001	1.000	s			
P0167	Current regulator proportional gain			167	1 Word	integer	0	9999	0.000	9.999				
P0168	Current regulator Integral gain			168	1 Word	integer	1	9999	0.1	999.9				
P0169	Maximum output current			169	1 Word	unsigned integer	0	13500	0.0	1350.0	A			
P0170	Maximum reverse torque current			170	1 Word	integer	0	250			%			
P0171	Maximum current of forward torque			171	1 Word	integer	0	250			%			
P0175	Flux regulator proportional gain on the motor			175	1 Word	integer	0	9999	0.0	999.9				
P0176	Integration constant of the flux regulator on the motor			176	1 Word	integer	1	9999						
P0178	Rated flux on the motor			178	1 Word	integer	0	120			%			
P0179	Maximum flux on the motor			179	1 Word	integer	0	200			%			
P0180	Starting point of the field weakening			180	1 Word	integer	0	120			%			
P0181	Magnetization mode			181	1 Word	integer	0	1						
	0 = General enable 1 = Start/Stop													
P0182	Flux reference regulator proportional gain on the motor			182	1 Word	integer	0	9999	0.00	99.99				
P0183	Flux reference regulator integral gain on the motor			183	1 Word	integer	1	9999						
P0200	Password			200	1 Word	integer	0	1						
	0 = Inactive													

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:									
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:						
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred						
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register						
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register						
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value						
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value						
	Data Transmission		Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value						
			Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.						
			Consistency blocks:	Master to slave	Master device sends signal to slave device.								
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit		
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High			
P0201	1 = Active Language selection 0 = Português 1 = English 2 = Español 3 = Deutsch 4 = Français			201	1 Word	integer	0	4					
P0202	Control Type 0 = V/F 60 Hz 1 = V/F 50 Hz 2 = Adjustable V/F (refer to P0142 to P0146) 3 = Sensorless Vector 4 = Vector with Encoder			202	1 Word	integer	0	4					
P0203	Special function selection 0 = None 1 = PID regulator			203	1 Word	integer	0	1					
P0204	Load/Save Parameters 0 = Not Used 1 = Reserved 2 = Reserved 3 = Reset P0043: It resets the enabled time counter. 4 = Reset P0044: It resets the MWh counter. 5 = Load WEG 60 Hz: It reset all the parameters to the 60 Hz factory			204	1 Word	integer	0	5					
P0206	Auto-reset time after fault			206	1 Word	integer	0	255			s		
P0208	Reference scale factor			208	1 Word	integer	1	18000					
P0209	Motor phase loss detection 0 = Inactive 1 = Active			209	1 Word	integer	0	1					
P0211	Disable by zero speed (Stop Logic) 0 = Inactive 1 = Active			211	1 Word	integer	0	1					
P0212	Condition for disabable output by zero speed 0 = P0001 (N*) > P0291 or P0002 (N) > P0291 1 = P0001 (N*) > 0			212	1 Word	integer	0	1					
P0213	Time delay for zero speed disable			213	1 Word	integer	0	999			s		
P0214	Line phase loss detection 0 = Inactive 1 = Active			214	1 Word	integer	0	1					
P0220	LOCAL/REMOTE selection source 0 = Always LOCAL 1 = Always REMOTE 2 = HMI LOC/REM key (LOCAL default) 3 = HMI LOC/REM key (REMOTE default) 4 = Digital Inputs DI2...DI10 (P0264...P0272) 5 = Serial (LOCAL Default) 6 = Serial (REMOTE Default) 7 = Fieldbus (LOCAL Default) 8 = Fieldbus (REMOTE Default) 9 = LOCAL PLC 10 = REMOTE PLC 11 = Graphic HMI LOC/REM key (LOCAL Default) 12 = Graphic HMI LOC/REM key (REMOTE Default)			220	1 Word	integer	0	12					
P0221	Speed reference selection LOCAL situation 0 = Key UP and DOWN of service HMI 1 = Analog Input AI1' (P0234 to P0236) 2 = Analog Input AI2' (P0237 to P0240 and P0248) 3 = Analog Input AI3' (P0241 to P0244) 4 = Analog Input AI4' (P0245 to P0247) 5 = Sum of Analog Inputs (AI1' + AI2') > 0 (Negative values are zeroed) 6 = Sum of Analog Inputs (AI1' + AI2') 7 = Electronic Potentiometer (E.P.) 8 = Multispeed (P0124 to P0131)			221	1 Word	integer	0	13					

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MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	9 = Serial										
	10 = Fieldbus										
	11 = Analog Input AI5' (P0721 to P0724)										
	12 = PLC										
	13 = Graphic HMI UP and DOWN key										
P0222	Speed reference selection REMOTE situation			222	1 Word	integer	0	13			
	0 = Key UP and DOWN of service HMI										
	1 = Analog Input AI1' (P0234 to P0236)										
	2 = Analog Input AI2' (P0237 to P0240 and P0248)										
	3 = Analog Input AI3' (P0241 to P0244)										
	4 = Analog Input AI4' (P0245 to P0247)										
	5 = Sum of Analog Inputs (AI1' + AI2') > 0 (Negative values are zeroed)										
	6 = Sum of Analog Inputs (AI1' + AI2')										
	7 = Electronic Potentiometer (E.P.)										
	8 = Multispeed (P0124 to P0131)										
	9 = Serial										
	10 = Fieldbus										
	11 = Analog Input AI5' (P0721 to P0724)										
	12 = PLC										
	13 = Graphic HMI UP and DOWN key										
P0223	Forward/Reverse Selection LOCAL Situation			223	1 Word	integer	0	13			
	0 = Always forward										
	1 = Always reverse										
	2 = HMI (H) key (Forward default)										
	3 = HMI (H) key (Reverse default)										
	4 = Digital Input DI2 (P0264 = 0)										
	5 = Serial (Forward default)										
	6 = Serial (Reverse default)										
	7 = Fieldbus (Forward default)										
	8 = Fieldbus (Reverse default)										
	9 = AI4 Polarity										
	10 = Forward PLC										
	11 = Reverse PLC										
	12 = Graphic HMI (H) key (Forward)										
	13 = Graphic HMI (H) key (Reverse)										
P0224	Start/Stop Selection LOCAL Situation			224	1 Word	integer	0	5			
	0 = HMI RUN and STOP keys										
	1 = Digital input DIx										
	2 = Serial										
	3 = Fieldbus										
	4 = PLC										
	5 = Graphic HMI RUN and STOP key										
P0225	Selection of JOG Source LOCAL Situation			225	1 Word	integer	0	6			
	0 = Disable										
	1 = HMI JOG key										
	2 = Digital inputs DI3 to DI10 (P0265 to P0272)										
	3 = Serial										
	4 = Fieldbus										
	5 = PLC										
	6 = Graphic HMI JOG key										
P0226	Selection of Direction of ROTATION REMOTE Situation			226	1 Word	integer	0	13			
	0 = Always forward										
	1 = Always reverse										
	2 = HMI (H) key (Forward default)										
	3 = HMI (H) key (Reverse default)										
	4 = Digital Input DI2 (P0264 = 0)										
	5 = Serial (Forward default)										
	6 = Serial (Reverse default)										
	7 = Fieldbus (Forward default)										
	8 = Fieldbus (Reverse default)										
	9 = AI4 Polarity										
	10 = Forward PLC										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	11 = Reverse PLC										
	12 = Graphic HMI (H) key (Forward)										
	13 = Graphic HMI (H) key (Reverse)										
P0227	Start/Stop Selection REMOTE Situation				227	1 Word	integer	0	5		
	0 = HMI RUN and STOP keys										
	1 = Digital input Dlx										
	2 = Serial										
	3 = Fieldbus										
	4 = PLC										
	5 = Graphic HMI RUN and STOP key										
P0228	JOG Selection - REMOTE Situation				228	1 Word	integer	0	6		
	0 = Disable										
	1 = HMI JOG key										
	2 = Digital inputs DI3 to DI10 (P0265 to P0272)										
	3 = Serial										
	4 = Fieldbus										
	5 = PLC										
	6 = Graphic HMI JOG key										
P0231	Actuation in the transition between Local and Remote for the HMIG				231	1 Word	integer	0	2		
	0 = It keeps the motor state										
	1 = It keeps the HMI state										
	2 = It turns off the motor										
P0232	Stop Selection				232	1 Word	integer	0	1		
	0 = Run/Stop										
	1 = General disable										
P0233	Dead Zone				233	1 Word	integer	0	1		
	0 = Inactive										
	1 = Active										
P0234	Analog input AI1 gain				234	1 Word	integer	0	9999	0.000	
P0235	AI1 Signal Type				235	1 Word	integer	0	3		
	0 = (0 to 10) V/(0 to 20) mA										
	1 = (4 to 20) mA										
	2 = (10 to 0) V/(20 to 0) mA										
	3 = (20 to 4) mA										
P0236	Analog input AI1 offset				236	1 Word	integer	-1000	1000	-100.0	
P0237	AI2 signal function				237	1 Word	integer	0	3		
	0 = P0221/P0222										
	1 = Not Used										
	2 = Maximum torque current										
	3 = PID process variable										
P0238	Analog input AI2 gain				238	1 Word	integer	0	9999	0.000	
P0239	AI2 Signal Type				239	1 Word	integer	0	4		
	0 = (0 to 10) V/(0 to 20) mA										
	1 = (4 to 20) mA										
	2 = (10 to 0) V/(20 to 0) mA										
	3 = (20 to 4) mA										
	4 = (-10 to +10) V										
P0240	Analog input AI2 offset (bipolar MVC4 board)				240	1 Word	integer	-1000	1000	-100.0	
P0241	AI3 signal function				241	1 Word	integer	0	3		
	0 = P0221/P0222										
	1 = Not Used										
	2 = Maximum torque current										
	3 = PID process variable										
P0242	Analog input AI3 gain				242	1 Word	integer	0	9999	0.000	
P0243	AI3 Signal Type				243	1 Word	integer	0	3		
	0 = (0 to 10) V/(0 to 20) mA										
	1 = (4 to 20) mA										
	2 = (10 to 0) V/(20 to 0) mA										
	3 = (20 to 4) mA										
P0244	Analog input AI3 offset				244	1 Word	integer	-1000	1000	-100.0	
P0245	Analog input AI4 gain				245	1 Word	integer	0	9999	0.000	
P0246	AI4 Signal Type				246	1 Word	integer	0	4		

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:								
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:					
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred					
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register					
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register					
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value					
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value					
Data Transmission		Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value					
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.					
				Master to slave	Master device sends signal to slave device.							
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit	
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High		
	0 = (0 to 10) V/(0 to 20) mA											
	1 = (4 to 20) mA											
	2 = (10 to 0) V/(20 to 0) mA											
	3 = (20 to 4) mA											
	4 = (-10 to +10) V											
P0247	Analog input AI4 offset				247	1 Word	integer	-1000	1000	-100.0	100.0	%
P0248	Analog input AI2 filter				248	1 Word	integer	0	160	0.0	16.0	s
P0251	AO1 Function				251	1 Word	integer	0	21			
	0 = Motor speed reference											
	1 = Total Reference											
	2 = Motor speed											
	3 = Reserved											
	4 = Reserved											
	5 = Motor current											
	6 = Value of process variable (PID)											
	7 = Output Active Current											
	8 = Inverter output power											
	9 = PID Reference											
	10 = Reserved											
	11 = CH4: Parameter											
	12 = CH4: Mask											
	13 = CH5: Parameter											
	14 = CH5: Mask											
	15 = CH6: Parameter											
	16 = CH6: Mask											
	17 = CH7: Parameter											
	18 = CH7: Mask											
	19 = Inverter Temperature											
	20 = PLC											
	21 = Output voltage											
P0252	Analog output AO1 gain				252	1 Word	integer	0	9999	0.000	9.999	
P0253	AO2 Function				253	1 Word	integer	0	21			
	0 = Motor speed reference											
	1 = Total Reference											
	2 = Motor speed											
	3 = Reserved											
	4 = Reserved											
	5 = Motor current											
	6 = Value of process variable (PID)											
	7 = Output Active Current											
	8 = Inverter output power											
	9 = PID Reference											
	10 = Reserved											
	11 = CH4: Parameter											
	12 = CH4: Mask											
	13 = CH5: Parameter											
	14 = CH5: Mask											
	15 = CH6: Parameter											
	16 = CH6: Mask											
	17 = CH7: Parameter											
	18 = CH7: Mask											
	19 = Inverter Temperature											
	20 = PLC											
	21 = Output voltage											
P0254	Analog output AO2 gain				254	1 Word	integer	0	9999	0.000	9.999	
P0255	AO3 Function				255	1 Word	integer	0	21			
	0 = Motor speed reference											
	1 = Total Reference											
	2 = Motor speed											
	3 = Reserved											
	4 = Reserved											
	5 = Motor current											

COMMUNICATION TABLE
 MWV3000 - Medium Voltage Frequency Inverter



Communication details	Master/Client device	Slave/Server device	Glossary:			
Equipment	Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:
Protocol	Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred
Configuration file (GSD, EDS...)	-	-	Description	Description of the signal.	Low	Lowest value in the register
HW interface		MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register
Baud rate		P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value
Bus address/Device Name		P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value
	Data Transmission	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value
		Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.
			Master to slave	Master device sends signal to slave device.		

Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	6 = Value of process variable (PID)										
	7 = Output Active Current										
	8 = Inverter output power										
	9 = PID Reference										
	10 = Reserved										
	11 = CH4: Parameter										
	12 = CH4: Mask										
	13 = CH5: Parameter										
	14 = CH5: Mask										
	15 = CH6: Parameter										
	16 = CH6: Mask										
	17 = CH7: Parameter										
	18 = CH7: Mask										
	19 = Inverter Temperature										
	20 = PLC										
	21 = Output voltage										
P0256	Analog output AO3 gain			256	1 Word	integer	0	9999	0.000	9.999	
P0257	AO4 Function			257	1 Word	integer	0	21			
	0 = Motor speed reference										
	1 = Total Reference										
	2 = Motor speed										
	3 = Reserved										
	4 = Reserved										
	5 = Motor current										
	6 = Value of process variable (PID)										
	7 = Output Active Current										
	8 = Inverter output power										
	9 = PID Reference										
	10 = Reserved										
	11 = CH4: Parameter										
	12 = CH4: Mask										
	13 = CH5: Parameter										
	14 = CH5: Mask										
	15 = CH6: Parameter										
	16 = CH6: Mask										
	17 = CH7: Parameter										
	18 = CH7: Mask										
	19 = Inverter Temperature										
	20 = PLC										
	21 = Output voltage										
P0258	Analog output AO4 gain			258	1 Word	integer	0	9999	0.000	9.999	
P0259	AO5 Function			259	1 Word	integer	0	21			
	0 = Motor speed reference										
	1 = Total Reference										
	2 = Motor speed										
	3 = Reserved										
	4 = Reserved										
	5 = Motor current										
	6 = Value of process variable (PID)										
	7 = Output Active Current										
	8 = Inverter output power										
	9 = PID Reference										
	10 = Reserved										
	11 = CH4: Parameter										
	12 = CH4: Mask										
	13 = CH5: Parameter										
	14 = CH5: Mask										
	15 = CH6: Parameter										
	16 = CH6: Mask										
	17 = CH7: Parameter										
	18 = CH7: Mask										
	19 = Inverter Temperature										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	20 = PLC										
	21 = Output voltage										
P0260	Analog output AO5 gain			260	1 Word	integer	0	9999	0.000	9.999	
P0261	AO6 Function			261	1 Word	integer	0	21			
	0 = Motor speed reference										
	1 = Total Reference										
	2 = Motor speed										
	3 = Reserved										
	4 = Reserved										
	5 = Motor current										
	6 = Value of process variable (PID)										
	7 = Output Active Current										
	8 = Inverter output power										
	9 = PID Reference										
	10 = Reserved										
	11 = CH4: Parameter										
	12 = CH4: Mask										
	13 = CH5: Parameter										
	14 = CH5: Mask										
	15 = CH6: Parameter										
	16 = CH6: Mask										
	17 = CH7: Parameter										
	18 = CH7: Mask										
	19 = Inverter Temperature										
	20 = PLC										
	21 = Output voltage										
P0262	Analog output AO6 gain			262	1 Word	integer	0	9999	0.000	9.999	
P0263	DI1 Function			263	1 Word	integer	0	3			
	0 = Not Used										
	1 = Start/Stop										
	2 = General Enable										
	3 = Stop										
P0264	DI2 Function			264	1 Word	integer	0	1			
	0 = Forward/Reverse										
	1 = Local/Remote										
P0265	DI3 Function			265	1 Word	integer	0	30			
	0 = Not Used										
	1 = Local/Remote										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = IncreaseEP										
	6 = Ramp 2										
	7 = Reserved										
	8 = Forward Run										
	9 = Sinusoidal Filter Circuit Breaker										
	10 = JOG+										
	11 = JOG-										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Start										
	15 = Manual/Automatic										
	16 = No External Alarm										
	17 = Reserved										
	18 = Reserved										
	19 = Parameterization Disabling										
	20 = Reserved										
	21 = RL2 Timer										
	22 = RL3 Timer										
	23 = No Alarm in the Redundant Ventilation Set A										
	24 = No Alarm in the Redundant Ventilation Set B										
	25 = Initiates synchronous transfer										

COMMUNICATION TABLE
 MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	26 = Ventilation OK										
	27 = Transformer OK										
	28 = Pressurization system OK										
	29 = Output filter OK										
	30 = Exciter OK										
P0266	DI4 Function				266	1 Word	integer	0	30		
	0 = Not Used										
	1 = Local/Remote										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = Decrease EP										
	6 = Ramp 2										
	7 = Multispeed										
	8 = Forward Run										
	9 = Sinusoidal Filter Circuit Breaker										
	10 = JOG+										
	11 = JOG-										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Stop										
	15 = Manual/Automatic										
	16 = No External Alarm										
	17 = Reserved										
	18 = Reserved										
	19 = Parameterization Disabling										
	20 = Reserved										
	21 = RL2 Timer										
	22 = RL3 Timer										
	23 = No Alarm in the Redundant Ventilation Set A										
	24 = No Alarm in the Redundant Ventilation Set B										
	25 = Initiates Synchronous Transfer										
	26 = Ventilation OK										
	27 = Transformer OK										
	28 = Pressurization system OK										
	29 = Output filter OK										
	30 = Exciter OK										
P0267	DI5 Function				267	1 Word	integer	0	30		
	0 = Not Used										
	1 = LOC/REM										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = IncreaseEP										
	6 = Ramp 2										
	7 = Multispeed										
	8 = Stop										
	9 = Sinusoidal Filter Circuit Breaker										
	10 = JOG+										
	11 = JOG-										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Start										
	15 = Manual/Automatic										
	16 = No External Alarm										
	17 = Reserved										
	18 = Reserved										
	19 = Parameterization Disabling										
	20 = Reserved										
	21 = RL2 Timer										
	22 = RL3 Timer										
	23 = No Alarm in the Redundant Ventilation Set A										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission		Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
			Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	24 = No Alarm in the Redundant Ventilation Set B										
	25 = Initiates Synchronous Transfer										
	26 = Ventilation OK										
	27 = Transformer OK										
	28 = Pressurization system OK										
	29 = Output filter OK										
	30 = Exciter OK										
P0268	DI6 Function				268	1 Word	integer	0	30		
	0 = Not Used										
	1 = Local/Remote										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = Decrease EP										
	6 = Ramp 2										
	7 = Multispeed										
	8 = Stop										
	9 = Sinusoidal Filter Circuit Breaker										
	10 = JOG+										
	11 = JOG-										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Stop										
	15 = Manual/Automatic										
	16 = No External Alarm										
	17 = Reserved										
	18 = Reserved										
	19 = Parameterization Disabling										
	20 = Reserved										
	21 = RL2 Timer										
	22 = RL3 Timer										
	23 = No Alarm in the Redundant Ventilation Set A										
	24 = No Alarm in the Redundant Ventilation Set B										
	25 = Initiates Synchronous Transfer										
	26 = Ventilation OK										
	27 = Transformer OK										
	28 = Pressurization system OK										
	29 = Output filter OK										
	30 = Exciter OK										
P0269	DI7 Function				269	1 Word	integer	0	28		
	0 = Not Used										
	1 = Local/Remote										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = Reserved										
	6 = Ramp 2										
	7 = Reserved										
	8 = Stop										
	9 = Reserved										
	10 = JOG+										
	11 = JOG-										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Start										
	15 = Manual/Automatic										
	16 = Reserved										
	17 = Reserved										
	18 = Reserved										
	19 = Parameterization Disabling										
	20 = Reserved										
	21 = RL2 Timer										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	22 = RL3 Timer										
	23 = Initiates Synchronous Transfer										
	24 = Ventilation OK										
	25 = Transformer OK										
	26 = Pressurization system OK										
	27 = Output filter OK										
	28 = Exciter OK										
P0270	DI8 Function				270	1 Word	integer	0	28		
	0 = Not Used										
	1 = Local/Remote										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = Reserved										
	6 = Ramp 2										
	7 = Reserved										
	8 = Stop										
	9 = Reserved										
	10 = JOG +										
	11 = JOG -										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Stop										
	15 = Manual/Automatic										
	16 = Motor Thermistor										
	17 = Reserved										
	18 = Reserved										
	19 = Parameterization Disabling										
	20 = Reserved										
	21 = RL2 Timer										
	22 = RL3 Timer										
	23 = Initiates Synchronous Transfer										
	24 = Ventilation OK										
	25 = Transformer OK										
	26 = Pressurization system OK										
	27 = Output filter OK										
	28 = Exciter OK										
P0271	DI9 Function				271	1 Word	integer	0	28		
	0 = Not Used										
	1 = Local/Remote										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = Reserved										
	6 = Ramp 2										
	7 = Reserved										
	8 = Stop										
	9 = Reserved										
	10 = JOG +										
	11 = JOG -										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Stop										
	15 = Manual/Automatic										
	16 = No External Alarm										
	17 = Reserved										
	18 = Reserved										
	19 = No Motor Fault										
	20 = No Motor Alarm										
	21 = No Alarm in the Redundant Ventilation Set A										
	22 = No Alarm in the Redundant Ventilation Set B										
	23 = Initiates Synchronous Transfer										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission		Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
			Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	24 = Ventilation OK										
	25 = Transformer OK										
	26 = Pressurization system OK										
	27 = Output filter OK										
	28 = Exciter OK										
P0272	DI10 Function				272	1 Word	integer	0	28		
	0 = Not Used										
	1 = Local/Remote										
	2 = General Enable										
	3 = JOG										
	4 = No External Fault										
	5 = Reserved										
	6 = Ramp 2										
	7 = Reserved										
	8 = Stop										
	9 = Reserved										
	10 = JOG +										
	11 = JOG -										
	12 = Reset										
	13 = Fieldbus										
	14 = 3 Wire Stop										
	15 = Manual/Automatic										
	16 = No External Alarm										
	17 = Reserved										
	18 = Reserved										
	19 = No Motor Fault										
	20 = No Motor Alarm										
	21 = No Alarm in the Redundant Ventilation Set A										
	22 = No Alarm in the Redundant Ventilation Set B										
	23 = Initiates Synchronous Transfer										
	24 = Ventilation OK										
	25 = Transformer OK										
	26 = Pressurization system OK										
	27 = Output filter OK										
	28 = Exciter OK										
P0275	DO1 Function				275	1 Word	integer	0	35		
	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 = Reserved										
	9 = Reserved										
	10 = Remote										
	11 = Run										
	12 = Ready										
	13 = No Fault										
	14 = No E70										
	15 = Reserved										
	16 = Reserved										
	17 = No E72										
	18 = 4 to 20 mA OK										
	19 = Fieldbus										
	20 = Forward										
	21 = Process Variable > VPx										
	22 = Process Variable < VPy										
	23 = Reserved										
	24 = Pre-charge OK										
	25 = Fault										

COMMUNICATION TABLE
 MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	26 = N > Nx and Nt > Nx										
	27 = Without error with delay										
	28 = No Alarm										
	29 = Reserved										
	30 = Redundant ventilation										
	31 = Reserved										
	32 = Circuit break ON (Input Circuit Breaker ON)										
	33 = Transference OK										
	34 = Synchronism OK										
	35 = Serial										
P0276	DO2 Function				276	1 Word	integer	0	35		
	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 = Reserved										
	9 = Reserved										
	10 = Remote										
	11 = Run										
	12 = Ready										
	13 = No Fault										
	14 = No E70										
	15 = Reserved										
	16 = Reserved										
	17 = No E72										
	18 = 4 to 20 mA OK										
	19 = Fieldbus										
	20 = Forward										
	21 = Process Variable > VPx										
	22 = Process Variable < VPy										
	23 = Reserved										
	24 = Pre-charge OK										
	25 = Fault										
	26 = N > Nx and Nt > Nx										
	27 = Without error with delay										
	28 = No Alarm										
	29 = Reserved										
	30 = Redundant ventilation										
	31 = Reserved										
	32 = Circuit break ON (Input Circuit Breaker ON)										
	33 = Transference OK										
	34 = Synchronism OK										
	35 = Serial										
P0277	RL1 Function				277	1 Word	integer	0	35		
	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 = Not Used										
	9 = Reserved										
	10 = Remote										
	11 = Run										
	12 = Ready										
	13 = No Fault										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	14 = No E70										
	15 = Reserved										
	16 = Reserved										
	17 = No E72										
	18 = 4 to 20 mA OK										
	19 = Fieldbus										
	20 = Forward										
	21 = Process Variable > VPx										
	22 = Process Variable < VPy										
	23 = Reserved										
	24 = Pre-charge OK										
	25 = Fault										
	26 = N > Nx and Nt > Nx										
	27 = Without error with delay										
	28 = No Alarm										
	29 = Reserved										
	30 = Redundant ventilation										
	31 = PLC										
	32 = Circuit Break ON (Input Circuit Breaker ON)										
	33 = Transference OK										
	34 = Synchronism OK										
	35 = Serial										
P0279	RL2 Function				279	1 Word	integer	0	35		
	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 = Reserved										
	9 = Reserved										
	10 = Remote										
	11 = Run										
	12 = Ready										
	13 = No Fault										
	14 = No E70										
	15 = Reserved										
	16 = Reserved										
	17 = No E72										
	18 = 4 to 20 mA OK										
	19 = Fieldbus										
	20 = Forward										
	21 = Process Variable < VPx										
	22 = Process Variable < VPy										
	23 = Reserved										
	24 = Pre-charge OK										
	25 = Fault										
	26 = N > Nx and Nt > Nx										
	27 = Without error with delay										
	28 = No Alarm										
	29 = Timer										
	30 = Redundant ventilation										
	31 = PLC										
	32 = Circuit Break ON (Input Circuit Breaker ON)										
	33 = Transference OK										
	34 = Synchronism OK										
	35 = Serial										
P0280	RL3 Function				280	1 Word	integer	0	35		
	0 = Not Used										
	1 = N* > Nx										

COMMUNICATION TABLE
 MWV3000 - Medium Voltage Frequency Inverter



Communication details	Master/Client device	Slave/Server device	Glossary:			
Equipment	Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:
Protocol	Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred
Configuration file (GSD, EDS...)	-	-	Description	Description of the signal.	Low	Lowest value in the register
HW interface		MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register
Baud rate		P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value
Bus address/Device Name		P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value
	Data Transmission	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value
		Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.
			Master to slave	Master device sends signal to slave device.		

Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	2 = N > Nx										
	3 = N < Ny										
	4 = N = N*										
	5 = Zero Speed										
	6 = Is > Ix										
	7 = Is < Ix										
	8 = Reserved										
	9 = Reserved										
	10 = Remote										
	11 = Run										
	12 = Ready										
	13 = No Fault										
	14 = No E70										
	15 = Reserved										
	16 = Reserved										
	17 = No E72										
	18 = 4 to 20 mA OK										
	19 = Fieldbus										
	20 = Forward										
	21 = Process Variable < VPx										
	22 = Process Variable < VPy										
	23 = Reserved										
	24 = Pre-charge OK										
	25 = Fault										
	26 = N > Nx and Nt > Nx										
	27 = Without error with delay										
	28 = No Alarm										
	29 = Timer										
	30 = Redundant ventilation										
	31 = PLC										
	32 = Circuit Break ON (Input Circuit Breaker ON)										
	33 = Transference OK										
	34 = Synchronism OK										
	35 = Serial										
P0281	RL4 Function			281	1 Word	integer	0	35			
	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 = Reserved										
	9 = Reserved										
	10 = Remote										
	11 = Run										
	12 = Ready										
	13 = No Fault										
	14 = No E70										
	15 = Reserved										
	16 = Reserved										
	17 = No E72										
	18 = 4 to 20 mA OK										
	19 = Fieldbus										
	20 = Forward										
	21 = Process Variable > VPx										
	22 = Process Variable < VPy										
	23 = Reserved										
	24 = Pre-charge OK										
	25 = Fault										
	26 = N > Nx and Nt > Nx										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:								
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:					
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred					
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register					
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register					
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value					
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value					
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value					
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.					
				Master to slave	Master device sends signal to slave device.							
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit	
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High		
	27 = Without error with delay											
	28 = No Alarm											
	29 = Reserved											
	30 = Redundant ventilation											
	31 = Reserved											
	32 = Circuit break ON (Input Circuit Breaker ON)											
	33 = Transference OK											
	34 = Synchronism OK											
	35 = Serial											
P0282	RL5 Function				282	1 Word	integer	0	35			
	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 = Reserved											
	9 = Reserved											
	10 = Remote											
	11 = Run											
	12 = Ready											
	13 = No Fault											
	14 = No E70											
	15 = Reserved											
	16 = Reserved											
	17 = No E72											
	18 = 4 to 20 mA OK											
	19 = Fieldbus											
	20 = Forward											
	21 = Process Variable > VPx											
	22 = Process Variable < VPy											
	23 = Reserved											
	24 = Pre-charge OK											
	25 = Fault											
	26 = N > Nx and Nt > Nx											
	27 = Without error with delay											
	28 = No Alarm											
	29 = Reserved											
	30 = Redundant ventilation											
	31 = Reserved											
	32 = Circuit break ON (Input Circuit Breaker ON)											
	33 = Transference OK											
	34 = Synchronism OK											
	35 = Serial											
P0283	RL2 ON time				283	1 Word	integer	0	3000	0.0	300.0	s
P0284	RL2 OFF time				284	1 Word	integer	0	3000	0.0	300.0	s
P0285	RL3 ON time				285	1 Word	integer	0	3000	0.0	300.0	s
P0286	RL3 OFF time				286	1 Word	integer	0	3000	0.0	300.0	s
P0288	Nx Speed				288	1 Word	integer	0	4095			rpm
P0289	Ny Speed				289	1 Word	integer	0	4095			rpm
P0290	Ix Current				290	1 Word	integer	0	32767	0.0	3276.7	A
P0291	Zero Speed Zone				291	1 Word	integer	1	100			%
P0292	N=N* Band				292	1 Word	integer	1	100			%
P0295	Inverter rated current				295	1 Word	integer	0	28			
	0 = 24 A											
	1 = 40 A											
	2 = 50 A											
	3 = 60 A											
	4 = 70 A											
	5 = 80 A											

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:		Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
		Consistency blocks:		Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
		Consistency blocks:		Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	6 = 90 A										
	7 = 100 A										
	8 = 110 A										
	9 = 125 A										
	10 = 140 A										
	11 = 160 A										
	12 = 180 A										
	13 = 200 A										
	14 = 225 A										
	15 = 265 A										
	16 = 310 A										
	17 = 340 A										
	18 = 400 A										
	19 = 450 A										
	20 = 500 A										
	21 = 550 A										
	22 = 600 A										
	23 = 760 A										
	24 = 800 A										
	25 = 855 A										
	26 = 950 A										
	27 = 1045 A										
	28 = 1140 A										
P0296	Inverter rated voltage				296	1 Word	integer	0	14		
	0 = 1150 V										
	1 = 2300 V										
	2 = 3300 V										
	3 = 4160 V										
	4 = 5500 V										
	5 = 6300 V										
	6 = 6900 V										
	7 = 7200 V										
	8 = 8000 V										
	9 = 9000 V										
	10 = 10000 V										
	11 = 11000 V										
	12 = 12000 V										
	13 = 13200 V										
	14 = 13800 V										
P0303	Skipped speed 1				303	1 Word	integer	0	4095		rpm
P0304	Skipped speed 2				304	1 Word	integer	0	4095		rpm
P0305	Skipped speed 3				305	1 Word	integer	0	4095		rpm
P0306	Skipped range				306	1 Word	integer	0	750		rpm
P0308	Serial address				308	1 Word	integer	1	30		
P0309	Fieldbus				309	1 Word	integer	0	13		
	0 = Inactive										
	1 = Profibus-DP 2 I/O										
	2 = Profibus-DP 4 I/O										
	3 = Profibus-DP 6 I/O										
	4 = DeviceNet 2 I/O										
	5 = DeviceNet 4 I/O										
	6 = DeviceNet 6 I/O										
	7 = Modbus-RTU 2 I/O										
	8 = Modbus-RTU 4 I/O										
	9 = Modbus-RTU 6 I/O										
	10 = DeviceNet Drive Profile										
	11 = EtherNet 2 I/O										
	12 = EtherNet 4 I/O										
	13 = EtherNet 6 I/O										
P0312	Type of serial protocol				312	1 Word	integer	0	9		
	0 = Not Used										
	1 = Modbus-RTU, 9600 bps, no parity										

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	2 = Modbus-RTU, 9600 bps, odd parity 3 = Modbus-RTU, 9600 bps, even parity 4 = Modbus-RTU, 19200 bps, no parity 5 = Modbus-RTU, 19200 bps, odd parity 6 = Modbus-RTU, 19200 bps, even parity 7 = Modbus-RTU, 38400 bps, no parity 8 = Modbus-RTU, 38400 bps, odd parity 9 = Modbus-RTU, 38400 bps, even parity										
P0313	Disabling with alarm A128, A129 and A130 0 = Disable via Run/Stop 1 = Disable via General Enable 2 = Inactive 3 = Go to LOCAL 4 = Reserved 5 = Fault			313	1 Word	integer	0	5			
P0314	Time for serial watchdog action			314	1 Word	integer	0	9990	0.0	999.0 s	
P0315	Function of the MVC3 SCI1 serial channel 0 = Service HMI 1 = Modbus serial for Tecsystem module 2 = Modbus Serial for Pextron module			315	1 Word	integer	0	2			
P0320	Flying Start/Ride-Through 0 = Inactive 1 = Flying Start 2 = Flying Start and Ride-Through 3 = Ride-Through			320	1 Word	integer	0	3			
P0327	Sensorless Flying Start delay			327	1 Word	integer	0	9999	0.000	9.999 s	
P0328	Sensorless Flying Start frequency 0 = P0134 starting search speed 1 = P0001 starting search speed			328	1 Word	integer	0	1			
P0329	Sensorless Flying Start direction 0 = + P0328 - 1 = - P0328 + 2 = + P0328 3 = - P0328			329	1 Word	integer	0	3			
P0331	Voltage ramp time			331	1 Word	integer	2	500	0.2	50.0 s	
P0332	Dead time			332	1 Word	integer	10	400	1.0	40.0 s	
P0333	Ride-through time			333	1 Word	integer	0	200	0.0	20.0 s	
P0400	Motor rated voltage			400	1 Word	integer	1	19999		V	
P0401	Motor rated current			401	1 Word	unsigned integer	1	37050	0.1	3705.0 A	
P0402	Motor rated speed			402	1 Word	integer	1	7200		rpm	
P0403	Motor Rated Freq			403	1 Word	integer	1	120		Hz	
P0405	Speed sensor data (encoder)			405	1 Word	integer	100	9999		PPR	
P0406	Ventilation Type 0 = Self-ventilated 1 = Separated ventilation			406	1 Word	integer	0	1			
P0408	Run Self-tuning 0 = No 1 = Self Gain			408	1 Word	integer	0	1			
P0409	Motor stator resistance Rs			409	1 Word	integer	0	9999	0.000	9.999 Ohm	
P0410	Motor magnetization current (Imr)			410	1 Word	integer	0	10240	0.0	1024.0 A	
P0411	Motor Flux Leakage Inductance			411	1 Word	integer	0	9999	0.00	99.99 mH	
P0412	Lr/Rr Constant			412	1 Word	integer	0	9999	0.000	9.999 s	
P0413	Tm Time Constant			413	1 Word	integer	0	9999	0.00	99.99 s	
P0414	Magnetizing voltage			414	1 Word	integer	0	200	0.0	20.0 %	
P0427	Inductance LD sigma			427	1 Word	integer	0	9999	0.00	99.99 mH	
P0428	Inductance LQ sigma			428	1 Word	integer	0	9999	0.00	99.99 mH	
P0429	Resistance RD			429	1 Word	integer	0	9999	0.000	9.999 Ohm	
P0430	Resistance RQ			430	1 Word	integer	0	9999	0.000	9.999 Ohm	
P0431	Number of motor poles			431	1 Word	integer	2	64			
P0436	Lf inductance			436	1 Word	integer	0	9999	0.0	999.9 mH	
P0437	Resistance Rf			437	1 Word	integer	0	9999	0.000	9.999 Ohm	
P0438	Proportional gain of the current regulator IQ			438	1 Word	integer	0	9999	0.000	9.999	

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details	Master/Client device	Slave/Server device	Glossary:			
Equipment	Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:
Protocol	Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred
Configuration file (GSD, EDS...)	-	-	Description	Description of the signal.	Low	Lowest value in the register
HW interface		MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register
Baud rate		P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value
Bus address/Device Name		P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value
	Data Transmission	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value
		Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.
			Master to slave	Master device sends signal to slave device.		

Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
P0439	Integration constant of the current regulator IQ			439	1 Word	integer	1	9999	0.1	999.9	
P0440	Proportional gain of the current regulator ID			440	1 Word	integer	0	9999	0.000	9.999	
P0441	Integration constant of the current regulator ID			441	1 Word	integer	1	9999	0.1	999.9	
P0442	Proportional gain of brushless exciter field regulator			442	1 Word	integer	0	9999	0.000	9.999	
P0443	Brushless exciter field regulator integration constant			443	1 Word	integer	1	9999			
P0444	Maximum field voltage (brushless)			444	1 Word	integer	1	100	0.01	1.00	PU
P0445	Minimum field voltage (brushless)			445	1 Word	integer	1	100	0.01	1.00	PU
P0446	Base field current			446	1 Word	integer	1	9999	0.1	999.9	A
P0449	Maximum field current (Brushless)			449	1 Word	integer	1	500	0.01	5.00	PU
P0450	Minimum field current (Brushless)			450	1 Word	integer	1	500	0.01	5.00	PU
P0451	Minimum field for soft-start function			451	1 Word	integer	1	500	0.01	5.00	PU
P0452	Field input frequency			452	1 Word	integer	0	600	0.0	60.0	Hz
P0453	Field ramp time			453	1 Word	integer	0	3000	0.00	30.00	s
P0454	Coefficient A1 of the polynomial of the magnetic saturation curve			454	1 Word	integer	0	9999	0.000	9.999	
P0455	Coefficient B1 of the Polynomial of the magnetic saturation curve			455	1 Word	integer	0	9999	0.000	9.999	
P0456	Coefficient C1 of the Polynomial of the magnetic saturation curve			456	1 Word	integer	0	9999	0.000	9.999	
P0457	Polynomial A2 of the gain curve of the brushless exciter			457	1 Word	integer	0	9999	0.000	9.999	
P0458	Polynomial B2 of the gain curve of the brushless exciter			458	1 Word	integer	0	9999	0.000	9.999	
P0459	Polynomial C2 of the brushless motor exciter curve			459	1 Word	integer	0	9999	0.0	999.9	
P0460	Field resistance not referred to the stator			460	1 Word	integer	0	9999	0.000	9.999	Ohm
P0461	Rated current in the field of brushless motor			461	1 Word	integer	1	9999	0.1	999.9	A
P0462	Field current scale			462	1 Word	integer	1	9999	0.1	999.9	A
P0463	Exciter rated voltage scale			463	1 Word	integer	0	9999			V
P0464	Maximum compensation current of PF			464	1 Word	integer	0	100	0.00	1.00	PU
P0490	Graphic HMI LCD contrast adjustment			490	1 Word	integer	50	150			
P0491	HMI commands configuration			491	1 Word	integer	0	2			
	0 = Inactive										
	1 = Local HMI										
	2 = Remote HMI										
P0493	Sampling time of the online graphic			493	1 Word	integer	1	100			x10ms
P0500	Read-only parameter 1 selection			500	1 Word	integer	0	9			
	0 = Inactive										
	1 = Motor speed reference										
	2 = Motor speed										
	3 = Motor current										
	4 = Reserved										
	5 = Motor frequency										
	6 = Output voltage										
	7 = Motor torque										
	8 = Inverter output power										
	9 = Value of process variable (PID)										
P0501	Read-only parameter 2 selection			501	1 Word	integer	0	9			
	0 = Inactive										
	1 = Motor speed reference										
	2 = Motor speed										
	3 = Motor current										
	4 = Reserved										
	5 = Motor frequency										
	6 = Output voltage										
	7 = Motor torque										
	8 = Inverter output power										
	9 = Value of process variable (PID)										
P0502	Read-only parameter 3 selection			502	1 Word	integer	0	9			
	0 = Inactive										
	1 = Motor speed reference										
	2 = Motor speed										
	3 = Motor current										
	4 = Reserved										
	5 = Motor frequency										
	6 = Output voltage										
	7 = Motor torque										
	8 = Inverter output power										

COMMUNICATION TABLE
 MWV3000 - Medium Voltage Frequency Inverter



Communication details	Master/Client device	Slave/Server device	Glossary:			
Equipment	Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:
Protocol	Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred
Configuration file (GSD, EDS...)	-	-	Description	Description of the signal.	Low	Lowest value in the register
HW interface		MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register
Baud rate		P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value
Bus address/Device Name		P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value
	Data Transmission	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value
		Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.
			Master to slave	Master device sends signal to slave device.		

Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
P0503	9 = Value of process variable (PID) Read-only parameter 4 selection 0 = Inactive 1 = Motor speed reference 2 = Motor speed 3 = Motor current 4 = Reserved 5 = Motor frequency 6 = Output voltage 7 = Motor torque 8 = Inverter output power 9 = Value of process variable (PID)			503	1 Word	integer	0	9			
P0504	Read-only parameter 5 selection 0 = Inactive 1 = Motor speed reference 2 = Motor speed 3 = Motor current 4 = Reserved 5 = Motor frequency 6 = Output voltage 7 = Motor torque 8 = Inverter output power 9 = Value of process variable (PID)			504	1 Word	integer	0	9			
P0505	Read-only parameter 6 selection 0 = Inactive 1 = Motor speed reference 2 = Motor speed 3 = Motor current 4 = Reserved 5 = Motor frequency 6 = Output voltage 7 = Motor torque 8 = Inverter output power 9 = Value of process variable (PID)			505	1 Word	integer	0	9			
P0512	On-line Graphic Function Parameter 1 Selection 0 = Inactive 1 = Motor speed reference 2 = Motor speed 3 = Motor current 4 = Reserved 5 = Motor frequency 6 = Output voltage 7 = Motor torque 8 = Inverter output power 9 = Value of process variable (PID)			512	1 Word	integer	0	9			
P0513	On-line Graphic Function Parameter 2 Selection 0 = Inactive 1 = Motor speed reference 2 = Motor speed 3 = Motor current 4 = Reserved 5 = Motor frequency 6 = Output voltage 7 = Motor torque 8 = Inverter output power 9 = Value of process variable (PID)			513	1 Word	integer	0	9			
P0514	On-line Graphic Function Parameter 3 Selection 0 = Inactive 1 = Motor speed reference 2 = Motor speed 3 = Motor current 4 = Reserved			514	1 Word	integer	0	9			

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Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	5 = Motor frequency 6 = Output voltage 7 = Motor torque 8 = Inverter output power 9 = Value of process variable (PID)										
P0515	On-line Graphic Function Parameter 4 Selection 0 = Inactive 1 = Motor speed reference 2 = Motor speed 3 = Motor current 4 = Reserved 5 = Motor frequency 6 = Output voltage 7 = Motor torque 8 = Inverter output power 9 = Value of process variable (PID)			515	1 Word	integer	0	9			
P0516	Full scale of online graphic 1			516	1 Word	integer	0	200			%
P0517	Full scale of online graphic 2			517	1 Word	integer	0	200			%
P0518	Full scale of online graphic 3			518	1 Word	integer	0	200			%
P0519	Full scale of online graphic 4			519	1 Word	integer	0	200			%
P0520	PID proportional gain			520	1 Word	integer	0	7999	0.000	7.999	
P0521	PID integral gain			521	1 Word	integer	0	9999	0.000	9.999	
P0522	PID differential gain			522	1 Word	integer	0	9999	0.000	9.999	
P0523	PID ramp time			523	1 Word	integer	0	9990	0.0	999.0	s
P0524	PID feedback selection 0 = P0237 - AI2 signal function 1 = P0241 - AI3 signal function			524	1 Word	integer	0	1			
P0525	PID regulator setpoint			525	1 Word	integer	0	1000	0.0	100.0	%
P0526	Process variable filter			526	1 Word	integer	0	160	0.0	16.0	s
P0527	Error Value Inv 0 = No 1 = Yes			527	1 Word	integer	0	1			
P0528	Process variable scale factor			528	1 Word	integer	0	9999			
P0529	Process Variable Decimal Point			529	1 Word	integer	0	3			
P0533	Process variable X value			533	1 Word	integer	0	1000	0.0	100.0	%
P0534	Process variable Y value			534	1 Word	integer	0	1000	0.0	100.0	%
P0535	Output N = 0 PID			535	1 Word	integer	0	100			%
P0536	P0525 Automatic Setting 0 = Inactive 1 = Active			536	1 Word	integer	0	1			
P0622	End frequency of boost I x R			622	1 Word	unsigned integer	0	9999			
P0629	Synchronism time			629	1 Word	unsigned integer	0	200	0.0	20.0	s
P0630	Synchronism timeout			630	1 Word	unsigned integer	20	240			s
P0631	DI13 delay			631	1 Word	unsigned integer	0	3000			ms
P0632	Maximum phase error			632	1 Word	integer	0	600	0.0	60.0	°
P0636	Phase adjustment synchronous transfer			636	1 Word	integer	-1800	1800	-180.0	180.0	°
P0652	MVC3 AO1 Funct.			652	1 Word	integer	0	511			
P0653	Analog output gain AO1 MVC3			653	1 Word	integer	0	9999	0.000	9.999	
P0654	MVC3 AO2 Funct.			654	1 Word	integer	0	511			
P0655	Analog output gain AO2 MVC3			655	1 Word	integer	0	9999	0.000	9.999	
P0656	MVC3 AO3 Funct.			656	1 Word	integer	0	511			
P0657	Analog output gain AO3 MVC3			657	1 Word	integer	0	9999	0.000	9.999	
P0658	MVC3 AO4 Funct.			658	1 Word	integer	0	511			
P0659	Analog output gain AO4 MVC3			659	1 Word	integer	0	9999	0.000	9.999	
P0663	Analog output offset AO1 MVC3			663	1 Word	integer	-32768	32767			
P0664	Analog output offset AO2 MVC3			664	1 Word	integer	-32768	32767			
P0665	Analog output offset AO3 MVC3			665	1 Word	integer	-32768	32767			
P0666	Analog output offset AO4 MVC3			666	1 Word	integer	-32768	32767			
P0721	Analog input AI5 function 0 = P221/P222			721	1 Word	integer	0	0			
P0722	Analog input AI5 gain (bipolar isolated MVC4 board)			722	1 Word	integer	0	9999	0.000	9.999	
P0723	Analog input AI5 signal type			723	1 Word	integer	0	3			

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission		Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
			Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
			Consistency blocks:	Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	0 = 0-10V/20mA 1 = 4 - 20 mA 2 = 10V/20mA-0 3 = 20 - 4 mA										
P0724	Analog input AI5 offset (bipolar isolated MVC4 board)			724	1 Word	integer	0	1000	0.0	100.0	%
P0725	Minimum coasting time			725	1 Word	integer	0	300			s
P0740	Function of analog input AI1 MVC3 0 = Not Used 1 = Torque reference 2 = Limit current			740	1 Word	integer	0	2			
P0741	Analog input AI1 gain (bipolar MVC3 board)			741	1 Word	integer	0	9999	0.000	9.999	
P0742	Analog input AI1 offset (bipolar MVC3 board)			742	1 Word	integer	-1000	1000	-100.0	100.0	%
P0744	Function of analog input AI2 MVC3 0 = Not Used 1 = Field current			744	1 Word	integer	0	1			
P0745	Analog input AI2 gain (bipolar MVC3 board)			745	1 Word	integer	0	9999	0.000	9.999	
P0746	Analog input AI2 offset (bipolar MVC3 board)			746	1 Word	integer	-1000	1000	-100.0	100.0	%
P0950	Motor Type 0 = Induction motor 1 = Reserved 2 = Brushless synchronous motor			950	1 Word	integer	0	2			
P0957	Direction of rotation of the speed sensor 0 = Reverse 1 = Direct			957	1 Word	integer	0	1			
P1000	DC link voltage of cell U1	Read-only		1000	1 Word	unsigned integer	0	65535			V
P1001	DC link voltage of cell U2	Read-only		1001	1 Word	unsigned integer	0	65535			V
P1002	DC link voltage of cell U3	Read-only		1002	1 Word	unsigned integer	0	65535			V
P1003	DC link voltage of cell U4	Read-only		1003	1 Word	unsigned integer	0	65535			V
P1004	DC link voltage of cell U5	Read-only		1004	1 Word	unsigned integer	0	65535			V
P1005	DC link voltage of cell U6	Read-only		1005	1 Word	unsigned integer	0	65535			V
P1006	DC link voltage of cell U7	Read-only		1006	1 Word	unsigned integer	0	65535			V
P1007	DC link voltage of cell U8	Read-only		1007	1 Word	unsigned integer	0	65535			V
P1008	DC link voltage of cell U9	Read-only		1008	1 Word	unsigned integer	0	65535			V
P1009	DC link voltage of cell U10	Read-only		1009	1 Word	unsigned integer	0	65535			V
P1010	DC link voltage of cell U11	Read-only		1010	1 Word	unsigned integer	0	65535			V
P1011	DC link voltage of cell U12	Read-only		1011	1 Word	unsigned integer	0	65535			V
P1012	DC link voltage of cell V1	Read-only		1012	1 Word	unsigned integer	0	65535			V
P1013	DC link voltage of cell V2	Read-only		1013	1 Word	unsigned integer	0	65535			V
P1014	DC link voltage of cell V3	Read-only		1014	1 Word	unsigned integer	0	65535			V
P1015	DC link voltage of cell V4	Read-only		1015	1 Word	unsigned integer	0	65535			V
P1016	DC link voltage of cell V5	Read-only		1016	1 Word	unsigned integer	0	65535			V
P1017	DC link voltage of cell V6	Read-only		1017	1 Word	unsigned integer	0	65535			V
P1018	DC link voltage of cell V7	Read-only		1018	1 Word	unsigned integer	0	65535			V
P1019	DC link voltage of cell V8	Read-only		1019	1 Word	unsigned integer	0	65535			V
P1020	DC link voltage of cell V9	Read-only		1020	1 Word	unsigned integer	0	65535			V
P1021	DC link voltage of cell V10	Read-only		1021	1 Word	unsigned integer	0	65535			V
P1022	DC link voltage of cell V11	Read-only		1022	1 Word	unsigned integer	0	65535			V
P1023	DC link voltage of cell V12	Read-only		1023	1 Word	unsigned integer	0	65535			V
P1024	DC link voltage of cell W1	Read-only		1024	1 Word	unsigned integer	0	65535			V
P1025	DC link voltage of cell W2	Read-only		1025	1 Word	unsigned integer	0	65535			V
P1026	DC link voltage of cell W3	Read-only		1026	1 Word	unsigned integer	0	65535			V
P1027	DC link voltage of cell W4	Read-only		1027	1 Word	unsigned integer	0	65535			V
P1028	DC link voltage of cell W5	Read-only		1028	1 Word	unsigned integer	0	65535			V
P1029	DC link voltage of cell W6	Read-only		1029	1 Word	unsigned integer	0	65535			V
P1030	DC link voltage of cell W7	Read-only		1030	1 Word	unsigned integer	0	65535			V
P1031	DC link voltage of cell W8	Read-only		1031	1 Word	unsigned integer	0	65535			V
P1032	DC link voltage of cell W9	Read-only		1032	1 Word	unsigned integer	0	65535			V
P1033	DC link voltage of cell W10	Read-only		1033	1 Word	unsigned integer	0	65535			V
P1034	DC link voltage of cell W11	Read-only		1034	1 Word	unsigned integer	0	65535			V
P1035	DC link voltage of cell W12	Read-only		1035	1 Word	unsigned integer	0	65535			V
P1050	Temperature on the power module of cell U1	Read-only		1050	1 Word	integer	-32768	32767	-3276.8	3276.7	°C
P1051	Temperature on the power module of cell U2	Read-only		1051	1 Word	integer	-32768	32767	-3276.8	3276.7	°C

COMMUNICATION TABLE
 MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:									
Equipment	Customer DCS	WEG VSD		Field:	Explanation:	Field:	Explanation:						
Protocol	Modbus-RTU	Modbus-RTU		Tag	Short name of the signal.	Register values:	Real data transferred						
Configuration file (GSD, EDS...)	-	-		Description	Description of the signal.	Low	Lowest value in the register						
HW interface		MVC4:XC7 MVC4:XC9		Register master	Location of the signal in master device memory.	High	Highest value in the register						
Baud rate		P0312 - Serial protocol		Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value						
Bus address/Device Name		P0308 - VFD address		Data length	Length of data in specified units.	Low	Lowest engineering value						
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value						
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.						
				Master to slave	Master device sends signal to slave device.								
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit		
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High			
P1052	Temperature on the power module of cell U3	Read-only		1052	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1053	Temperature on the power module of cell U4	Read-only		1053	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1054	Temperature on the power module of cell U5	Read-only		1054	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1055	Temperature on the power module of cell U6	Read-only		1055	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1056	Temperature on the power module of cell U7	Read-only		1056	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1057	Temperature on the power module of cell U8	Read-only		1057	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1058	Temperature on the power module of cell U9	Read-only		1058	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1059	Temperature on the power module of cell U10	Read-only		1059	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1060	Temperature on the power module of cell U11	Read-only		1060	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1061	Temperature on the power module of cell U12	Read-only		1061	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1062	Temperature on the power module of cell V1	Read-only		1062	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1063	Temperature on the power module of cell V2	Read-only		1063	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1064	Temperature on the power module of cell V3	Read-only		1064	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1065	Temperature on the power module of cell V4	Read-only		1065	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1066	Temperature on the power module of cell V5	Read-only		1066	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1067	Temperature on the power module of cell V6	Read-only		1067	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1068	Temperature on the power module of cell V7	Read-only		1068	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1069	Temperature on the power module of cell V8	Read-only		1069	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1070	Temperature on the power module of cell V9	Read-only		1070	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1071	Temperature on the power module of cell V10	Read-only		1071	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1072	Temperature on the power module of cell V11	Read-only		1072	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1073	Temperature on the power module of cell V12	Read-only		1073	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1074	Temperature on the power module of cell W1	Read-only		1074	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1075	Temperature on the power module of cell W2	Read-only		1075	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1076	Temperature on the power module of cell W3	Read-only		1076	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1077	Temperature on the power module of cell W4	Read-only		1077	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1078	Temperature on the power module of cell W5	Read-only		1078	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1079	Temperature on the power module of cell W6	Read-only		1079	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1080	Temperature on the power module of cell W7	Read-only		1080	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1081	Temperature on the power module of cell W8	Read-only		1081	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1082	Temperature on the power module of cell W9	Read-only		1082	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1083	Temperature on the power module of cell W10	Read-only		1083	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1084	Temperature on the power module of cell W11	Read-only		1084	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1085	Temperature on the power module of cell W12	Read-only		1085	1 Word	integer	-32768	32767	-3276.8	3276.7	°C		
P1136	Inverter input current	Read-only		1136	1 Word	unsigned integer	0	65535	0.0	6553.5	A		
P1137	Inverter input line voltage	Read-only		1137	1 Word	unsigned integer	0	65535	0.00	655.35	kV		
P1138	PF at the inverter input	Read-only		1138	1 Word	unsigned integer	0	65535	0.00	655.35			
P1139	Apparent power at the inverter input	Read-only		1139	1 Word	integer	-32768	32767			kVA		
P1140	Active power at the inverter input	Read-only		1140	1 Word	integer	-32768	32767			kW		
P1141	Reactive power at the inverter input	Read-only		1141	1 Word	integer	-32768	32767			kVAr		
P1143	Output voltage	Read-only		1143	1 Word	unsigned integer	0	65535	0.00	655.35	kV		
P1144	Voltage between the virtual neutral of the motor and the ground of the system	Read-only		1144	1 Word	integer	-32768	32767	-3276.8	3276.7	%		
P1155	Phase U cell status U1 ... Un	Read-only		1155	1 Word	unsigned integer	0	65535					
	Bit 0 = Cell 1												
	Bit 1 = Cell 2												
	Bit 2 = Cell 3												
	Bit 3 = Cell 4												
	Bit 4 = Cell 5												
	Bit 5 = Cell 6												
	Bit 6 = Cell 7												
	Bit 7 = Cell 8												
	Bit 8 = Cell 9												
	Bit 9 = Cell 10												
	Bit 10 = Cell 11												
	Bit 11 = Cell 12												
P1156	Phase V cell status V1...Vn	Read-only		1156	1 Word	unsigned integer	0	65535					
	Bit 0 = Cell 1												
	Bit 1 = Cell 2												
	Bit 2 = Cell 3												
	Bit 3 = Cell 4												
	Bit 4 = Cell 5												
	Bit 5 = Cell 6												

COMMUNICATION TABLE
 MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:									
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:						
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred						
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register						
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register						
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value						
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value						
	Data Transmission		Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value						
			Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.						
			Consistency blocks:	Master to slave	Master device sends signal to slave device.								
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit		
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High			
	Bit 6 = Cell 7												
	Bit 7 = Cell 8												
	Bit 8 = Cell 9												
	Bit 9 = Cell 10												
	Bit 10 = Cell 11												
	Bit 11 = Cell 12												
P1157	Phase W cell status W1...Wn	Read-only			1157	1 Word	unsigned integer	0	65535				
	Bit 0 = Cell 1												
	Bit 1 = Cell 2												
	Bit 2 = Cell 3												
	Bit 3 = Cell 4												
	Bit 4 = Cell 5												
	Bit 5 = Cell 6												
	Bit 6 = Cell 7												
	Bit 7 = Cell 8												
	Bit 8 = Cell 9												
	Bit 9 = Cell 10												
	Bit 10 = Cell 11												
	Bit 11 = Cell 12												
P1350	Temperature on the board of cell U1	Read-only			1350	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1351	Temperature on the board of cell U2	Read-only			1351	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1352	Temperature on the board of cell U3	Read-only			1352	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1353	Temperature on the board of cell U4	Read-only			1353	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1354	Temperature on the board of cell U5	Read-only			1354	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1355	Temperature on the board of cell U6	Read-only			1355	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1356	Temperature on the board of cell U7	Read-only			1356	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1357	Temperature on the board of cell U8	Read-only			1357	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1358	Temperature on the board of cell U9	Read-only			1358	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1359	Temperature on the board of cell U10	Read-only			1359	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1360	Temperature on the board of cell U11	Read-only			1360	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1361	Temperature on the board of cell U12	Read-only			1361	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1362	Temperature on the board of cell V1	Read-only			1362	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1363	Temperature on the board of cell V2	Read-only			1363	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1364	Temperature on the board of cell V3	Read-only			1364	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1365	Temperature on the board of cell V4	Read-only			1365	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1366	Temperature on the board of cell V5	Read-only			1366	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1367	Temperature on the board of cell V6	Read-only			1367	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1368	Temperature on the board of cell V7	Read-only			1368	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1369	Temperature on the board of cell V8	Read-only			1369	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1370	Temperature on the board of cell V9	Read-only			1370	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1371	Temperature on the board of cell V10	Read-only			1371	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1372	Temperature on the board of cell V11	Read-only			1372	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1373	Temperature on the board of cell V12	Read-only			1373	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1374	Temperature on the board of cell W1	Read-only			1374	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1375	Temperature on the board of cell W2	Read-only			1375	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1376	Temperature on the board of cell W3	Read-only			1376	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1377	Temperature on the board of cell W4	Read-only			1377	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1378	Temperature on the board of cell W5	Read-only			1378	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1379	Temperature on the board of cell W6	Read-only			1379	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1380	Temperature on the board of cell W7	Read-only			1380	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1381	Temperature on the board of cell W8	Read-only			1381	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1382	Temperature on the board of cell W9	Read-only			1382	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1383	Temperature on the board of cell W10	Read-only			1383	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1384	Temperature on the board of cell W11	Read-only			1384	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1385	Temperature on the board of cell W12	Read-only			1385	1 Word	integer	-32768	32767	-3276.8	3276.7 °C		
P1500	Automatic Bypass				1500	1 Word	integer	0	1				
	0 = Inactive												
	1 = Active with Flying Start												
P1501	Line tension balancing method				1501	1 Word	integer	0	1				
	0 = Amplitude adjustment of the phase voltages												
	1 = Angle adjustment of the phase voltages												
P1502	Limit of bypassed cells per phase				1502	1 Word	integer	0	12				

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details	Master/Client device	Slave/Server device	Glossary:			
Equipment	Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:
Protocol	Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred
Configuration file (GSD, EDS...)	-	-	Description	Description of the signal.	Low	Lowest value in the register
HW interface		MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register
Baud rate		P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value
Bus address/Device Name		P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value
			Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value
			Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.
			Master to slave	Master device sends signal to slave device.		

Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
P1550	Transformer 1 CT Ratio			1550	1 Word	unsigned integer	1	3000			
P1551	Ratio between the voltage of the primary and the auxiliary output of the			1551	1 Word	unsigned integer	100	5000	1.00	50.00	
P1552	Taps of transformer 1			1552	1 Word	integer	-500	500	-5.00	5.00	%
P1553	Transformers rated voltage			1553	1 Word	unsigned integer	0	9999	0.00	99.99	kV
P1554	Transformer 1 rated power			1554	1 Word	unsigned integer	0	10000			kVA
P1555	Transformers rated frequency			1555	1 Word	integer	0	100			Hz
P1556	Transformer 2 CT Ratio			1556	1 Word	unsigned integer	50	3000			
P1557	Taps of transformer 2			1557	1 Word	integer	-500	500	-5.00	5.00	%
P1558	Transformer 2 rated power			1558	1 Word	unsigned integer	0	10000			kVA
P1559	Transformer 3 CT Ratio			1559	1 Word	unsigned integer	50	3000			
P1560	Taps of transformer 3			1560	1 Word	integer	-500	500	-5.00	5.00	%
P1561	Transformer 3 rated power			1561	1 Word	unsigned integer	0	10000			kVA
P1565	Number of redundant cells per phase			1565	1 Word	integer	0	11			
P1700	Bypass of the cell U1 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1700	1 Word	integer	0	4			
P1701	Bypass of the cell U2 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1701	1 Word	integer	0	4			
P1702	Bypass of the cell U3 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1702	1 Word	integer	0	4			
P1703	Bypass of the cell U4 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1703	1 Word	integer	0	4			
P1704	Bypass of the cell U5 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1704	1 Word	integer	0	4			
P1705	Bypass of the cell U6 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1705	1 Word	integer	0	4			
P1706	Bypass of the cell U7 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1706	1 Word	integer	0	4			
P1707	Bypass of the cell U8 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1707	1 Word	integer	0	4			
P1708	Bypass of the cell U9 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1708	1 Word	integer	0	4			

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details		Master/Client device	Slave/Server device	Glossary:							
Equipment		Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:				
Protocol		Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred				
Configuration file (GSD, EDS...)		-	-	Description	Description of the signal.	Low	Lowest value in the register				
HW interface			MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register				
Baud rate			P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value				
Bus address/Device Name			P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value				
	Data Transmission	Consistency blocks:	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value				
				Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.				
				Master to slave	Master device sends signal to slave device.						
Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association										
P1709	Bypass of the cell U10 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1709	1 Word	integer	0	4			
P1710	Bypass of the cell U11 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1710	1 Word	integer	0	4			
P1711	Bypass of the cell U12 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1711	1 Word	integer	0	4			
P1712	Bypass of the cell V1 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1712	1 Word	integer	0	4			
P1713	Bypass of the cell V2 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1713	1 Word	integer	0	4			
P1714	Bypass of the cell V3 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1714	1 Word	integer	0	4			
P1715	Bypass of the cell V4 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1715	1 Word	integer	0	4			
P1716	Bypass of the cell V5 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1716	1 Word	integer	0	4			
P1717	Bypass of the cell V6 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1717	1 Word	integer	0	4			
P1718	Bypass of the cell V7 0 = Disable 1 = Mechanical bypass cell			1718	1 Word	integer	0	4			

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details	Master/Client device	Slave/Server device	Glossary:			
Equipment	Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:
Protocol	Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred
Configuration file (GSD, EDS...)	-	-	Description	Description of the signal.	Low	Lowest value in the register
HW interface		MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register
Baud rate		P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value
Bus address/Device Name		P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value
	Data Transmission	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value
		Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.
			Master to slave	Master device sends signal to slave device.		

Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association										
P1719	Bypass of the cell V8 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1719	1 Word	integer	0	4			
P1720	Bypass of the cell V9 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1720	1 Word	integer	0	4			
P1721	Bypass of the cell V10 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1721	1 Word	integer	0	4			
P1722	Bypass of the cell V11 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1722	1 Word	integer	0	4			
P1723	Bypass of the cell V12 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1723	1 Word	integer	0	4			
P1724	Bypass of the cell W1 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1724	1 Word	integer	0	4			
P1725	Bypass of the cell W2 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1725	1 Word	integer	0	4			
P1726	Bypass of the cell W3 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1726	1 Word	integer	0	4			
P1727	Bypass of the cell W4 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1727	1 Word	integer	0	4			
P1728	Bypass of the cell W5 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault			1728	1 Word	integer	0	4			

COMMUNICATION TABLE
MWV3000 - Medium Voltage Frequency Inverter



Communication details	Master/Client device	Slave/Server device	Glossary:			
Equipment	Customer DCS	WEG VSD	Field:	Explanation:	Field:	Explanation:
Protocol	Modbus-RTU	Modbus-RTU	Tag	Short name of the signal.	Register values:	Real data transferred
Configuration file (GSD, EDS...)	-	-	Description	Description of the signal.	Low	Lowest value in the register
HW interface		MVC4:XC7 MVC4:XC9	Register master	Location of the signal in master device memory.	High	Highest value in the register
Baud rate		P0312 - Serial protocol	Register slave	Location of the signal in slave device memory.	Engineering values:	Scaled data value
Bus address/Device Name		P0308 - VFD address	Data length	Length of data in specified units.	Low	Lowest engineering value
	Data Transmission	Consistency blocks:	Data type	Boolean/ Integer/ Dinteger/ Real	High	Highest engineering value
		Consistency blocks:	Slave to master	Slave device sends signal to master device.	Eng unit	Engineering unit.
			Master to slave	Master device sends signal to slave device.		

Tag	Description	Comments	Data Configuration				Register values		Engineering values		Eng unit
			Register Master	Register Slave	Data length	Data type	Low	High	Low	High	
	4 = Automatic bypass by parallel association										
P1729	Bypass of the cell W6 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1729	1 Word	integer	0	4			
P1730	Bypass of the cell W7 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1730	1 Word	integer	0	4			
P1731	Bypass of the cell W8 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1731	1 Word	integer	0	4			
P1732	Bypass of the cell W9 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1732	1 Word	integer	0	4			
P1733	Bypass of the cell W10 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1733	1 Word	integer	0	4			
P1734	Bypass of the cell W11 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1734	1 Word	integer	0	4			
P1735	Bypass of the cell W12 0 = Disable 1 = Mechanical bypass cell 2 = Manual activation of the bypass relay 3 = Automatic bypass after a manageable fault 4 = Automatic bypass by parallel association			1735	1 Word	integer	0	4			
P1739	RL8 Function MVC3 0 = Not used 1 = Output contactor drive for operation with filter type 2 2 = Output contactor drive for operation with permanent magnet machine			1739	1 Word	unsigned integer	0	2			
P1892	Cells in parallel 0 = No parallelism 1 = 2 cells in parallel 2 = 3 cells in parallel			1892	1 Word	integer	0	2			
P1893	Transformers at the input 0 = 1 transformer 1 = 2 transformers 2 = 3 transformers			1893	1 Word	integer	0	2			