Register List for
PMM
Series Power Module
Management

Firmware Version 0.0.3
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Schneider Electric

APC™

by **Schneider** Electric

Contents

Integers

The Scale represent the **exponent** of the associated values and are used in conjunction with the integer registers to create the final floating-point results.

Example:
integer register = 27
scale = -2
final result = 27 * 10^(-2) = 0.27
Note: If a Scale is not listed for a parameter, it is assumed to be 0.

Main Input Metering

[0] Voltage

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
0	40001	Frequency	Integer	-2	Hz	Frequency of circuits being monitored.
1	40002	Voltage ,A-B	Integer	0	V	RMS Voltage measured between A & B
2	40003	Voltage ,B-C	Integer	0	V	RMS Voltage measured between B & C
3	40004	Voltage ,C-A	Integer	0	V	RMS Voltage measured between C & A
4	40005	Voltage ,L-L Average	Integer	0	V	RMS 3 Phase Average L-L Voltage
5	40006	Voltage ,A-N	Integer	0	V	RMS Voltage measured between A & N . (4-wire system only)
6	40007	Voltage ,B-N	Integer	0	V	RMS Voltage measured between B & N . (4-wire system only)
7	40008	Voltage ,C-N	Integer	0	V	RMS Voltage measured between C & N .(4-wire system only)
8	40009	Voltage, N-R	Integer	-1	V	RMS Voltage measured between N & Meter . (4-wire system only)
9	40010	Voltage, L-N Average	Integer	0	V	RMS 3-Phase Average L-N Voltage
10	40011	Voltage, Unbalance, A-B	Integer	-1	%	Percent Voltage Unbalance, Phase A-B. (4-wire system only)
11	40012	Voltage, Unbalance, B-C	Integer	-1	%	Percent Voltage Unbalance, Phase B-C. (4-wire system only))
12	40013	Voltage, Unbalance, C-A	Integer	-1	%	Percent Voltage Unbalance, Phase C-A. (4-wire system only)
13	40014	Voltage, Unbalance, Max L-L	Integer	-1	%	Percent Voltage Unbalance, Worst L-L. (4-wire system only))
14	40015	Voltage, Unbalance, A-N	Integer	-1	%	Percent Voltage Unbalance, Phase A-N(4-wire system only)
15	40016	Voltage, Unbalance, B-N	Integer	-1	%	Percent Voltage Unbalance, Phase B-N(4-wire system only)
16	40017	Voltage, Unbalance, C-N	Integer	-1	%	Percent Voltage Unbalance, Phase C-N(4-wire system only)
17	40018	Voltage, Unbalance, Max L-N	Integer	-1	%	Percent Voltage Unbalance, Worst L-N(4-wire system only)

[18] Alarm

Reg. IEC61131	Reg. Modbus	Bit	Name	Type	Notes	
18	40019	0	Over Ia	bit	0: non-active	1: active
		1	Over Ib	bit	0: non-active	1: active
		2	Over Ic	bit	0: non-active	1: active
		3	Over In	bit	0: non-active	1: active
		4	I , Unbalance Max	bit	0: non-active	1: active
		5	Current loss	bit	0: non-active	1: active
		6	Over U an	bit	0: non-active	1: active
		7	Over U bn	bit	0: non-active	1: active
		8	Over U cn	bit	0: non-active	1: active
		9	Over U ab	bit	0: non-active	1: active
		10	Over U bc	bit	0: non-active	1: active
		11	Over U ca	bit	0: non-active	1: active
		12	Under Uan	bit	0: non-active	1: active
		13	Under Ubn	bit	0: non-active	1: active
		14	Under Ucn	bit	0: non-active	1: active
		15	Under Uab	bit	0: non-active	1: active
19	40020	0	Under Ubc	bit	0: non-active	1: active
		1	Under Uca	bit	0: non-active	1: active
		2	V Unbal L-N Max	bit	0: non-active	1: active
		3	V Unbal L-L Max	bit	0: non-active	1: active
		4	Voltage Loss	bit	0: non-active	1: active
		5	Phase Reverse	bit	0: non-active	1: active
		6	Over kW Demand	bit	0: non-active	1: active

[20] Current

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
20	40021	Current, Phase A	Integer	0	A	RMS
21	40022	Current, Phase B	Integer	0	A	RMS
22	40023	Current, Phase C	Integer	0	A	RMS
23	40024	Current, Neutral	Integer	0	A	RMS (4-wire system)
24	40025	Current, 3-Phase Average	Integer	0	A	Calculated mean of Phases A, B & C
25	40026	Current, Unbalance, Phase A	Integer	-1	%	0 – 1,000
26	40027	Current, Unbalance, Phase B	Integer	-1	%	0 – 1,000
27	40028	Current, Unbalance, Phase C	Integer	-1	%	0 – 1,000
28	40029	Current, Unbalance, Max	Integer	-1	%	Percent Unbalance, Worst

29	40030	Present Demand Current, Phase A	Integer	0	A	Phase A current demand, present interval
30	40031	Running Average Demand Current, Phase A	Integer	0	A	Phase A current demand, running average demand calculation of short duration
31	40032	Peak Demand Current, Phase A	Integer	0	A	Phase A peak current demand
32	40033	Present Demand Current, Phase B	Integer	0	A	Phase B current demand, present interval
33	40034	Running Average Demand Current, Phase B	Integer	0	A	Phase B current demand, running average demand calculation of short duration
34	40035	Peak Demand Current, Phase B	Integer	0	A	Phase B peak current demand
35	40036	Present Demand Current, Phase C	Integer	0	A	Phase C current demand, present interval
36	40037	Running Average Demand Current, Phase C	Integer	0	A	Phase C current demand, running average demand calculation of short duration
37	40038	Peak Demand Current, Phase C	Integer	0	A	Phase C peak current demand
38	40039	Present Demand Current, Neutral	Integer	0	A	Neutral current demand, present interval 4-wire system only
39	40040	Running Average Demand Current, Neutral	Integer	0	A	Neutral current demand, running average demand calculation of short duration 4-wire system only
40	40041	Peak Demand Current, Neutral	Integer	0	A	Neutral peak current demand 4-wire system only
41	40042	Running Average Demand Current, 3-Phase Average	Integer	0	A	3-Phase Average current demand, short sliding block
42	40043	Peak Demand Current, 3-Phase Average	Integer	0	A	3-Phase Average peak current demand
43	40044	Load Ratio ,Phase A	Integer	-1	%	Range: 0~32767 (0.01%~327.67%)
44	40045	Load Ratio ,Phase B	Integer	-1	%	Range: 0~32767 (0.01%~327.67%)
45	40046	Load Ratio ,Phase C	Integer	-1	%	Range: 0~32767 (0.01%~327.67%)

[50] Energy

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
50	40051	Energy, Real In (1)	Integer	0	WH	3-Phase total real energy into the load
51	40052	Energy, Real In (1)	Integer	0	WH	3-Phase total real energy into the load
52	40053	Energy, Real In (1)	Integer	0	WH	3-Phase total real energy into the load
53	40054	Energy, Real In (1)	Integer	0	WH	3-Phase total real energy into the load
54	40055	Energy, Reactive In (1)	Integer	0	VarH	3-Phase total reactive energy into the load

55	40056	Energy, Reactive In (1)	Integer	0	VarH	3-Phase total reactive energy into the load
56	40057	Energy, Reactive In (1)	Integer	0	VarH	3-Phase total reactive energy into the load
57	40058	Energy, Reactive In (1)	Integer	0	VarH	3-Phase total reactive energy into the load
58	40059	Energy, Real Out (1)	Integer	0	WH	3-Phase total real energy out of the load
59	40060	Energy, Real Out (1)	Integer	0	WH	3-Phase total real energy out of the load
60	40061	Energy, Real Out (1)	Integer	0	WH	3-Phase total real energy out of the load
61	40062	Energy, Real Out (1)	Integer	0	WH	3-Phase total real energy out of the load
62	40063	Energy, Reactive Out (1)	Integer	0	VarH	3-Phase total reactive energy out of the load
63	40064	Energy, Reactive Out (1)	Integer	0	VarH	3-Phase total reactive energy out of the load
64	40065	Energy, Reactive Out (1)	Integer	0	VarH	3-Phase total reactive energy out of the load
65	40066	Energy, Reactive Out (1)	Integer	0	VarH	3-Phase total reactive energy out of the load
66	40067	Energy, Real Total (1) (signed/absolute)	Integer	0	WH	Total Real Energy In, Out or In + Out
67	40068	Energy, Real Total (1) (signed/absolute)	Integer	0	WH	Total Real Energy In, Out or In + Out
68	40069	Energy, Real Total (1) (signed/absolute)	Integer	0	WH	Total Real Energy In, Out or In + Out
69	40070	Energy, Real Total (1) (signed/absolute)	Integer	0	WH	Total Real Energy In, Out or In + Out
70	40071	Energy, Reactive Total (1)(signed/absolute)	Integer	0	VarH	Total Reactive Energy In, Out or In + Out
71	40072	Energy, Reactive Total (1)(signed/absolute)	Integer	0	VarH	Total Reactive Energy In, Out or In + Out
72	40073	Energy, Reactive Total (1)(signed/absolute)	Integer	0	VarH	Total Reactive Energy In, Out or In + Out
73	40074	Energy, Reactive Total (1)(signed/absolute)	Integer	0	VarH	Total Reactive Energy In, Out or In + Out
74	40075	Energy, Apparent (1)	Integer	0	VAH	3-Phase total apparent energy
75	40076	Energy, Apparent (1)	Integer	0	VAH	3-Phase total apparent energy
76	40077	Energy, Apparent (1)	Integer	0	VAH	3-Phase total apparent energy
77	40078	Energy, Apparent (1)	Integer	0	VAH	3-Phase total apparent energy

Value: 0000 0000 0000 0000
Register: 53   52   51   50

(1) Energy parameter are packed as follows:

Take Energy, Real In for example. Register (value) as belows : 53(9999) 52(88)51(77) 50(66) ,then the final result is   9999 0088 0077 0066 WH.

[80] Power

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
80	40081	Real Power, Phase A	Integer	0	kW	Real Power (PA) 4-wire systems
81	40082	Real Power, Phase B	Integer	0	kW	Real Power (PB) 4-wire systems
82	40083	Real Power, Phase C	Integer	0	kW	Real Power (PC) 4-wire systems
83	40084	Real Power, Total	Integer	0	kW	4-wire system = PA+PB+PC
84	40085	Reactive Power, Phase A	Integer	0	kVar	Reactive Power (QA) 4-wire systems
85	40086	Reactive Power, Phase B	Integer	0	kVar	Reactive Power (QB) 4-wire systems
86	40087	Reactive Power, Phase C	Integer	0	kVar	Reactive Power (QC) 4-wire systems
87	40088	Reactive Power, Total	Integer	0	kVar	4-wire system = QA+QB+QC
88	40089	Apparent Power, Phase A	Integer	0	kVA	Apparent Power (SA) 4-wire systems
89	40090	Apparent Power, Phase B	Integer	0	kVA	Apparent Power (SB) 4-wire systems
90	40091	Apparent Power, Phase C	Integer	0	kVA	Apparent Power (SC) 4-wire systems
91	40092	Apparent Power, Total	Integer	0	kVA	4-wire system = SA+SB+SC

[92] Power Factor

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Range	Notes
92	40093	True Power Factor, Phase A	Integer	-3	0 ~ 1000	Derived using the complete harmonic content of real and apparent power. 4-wire systems only
93	40094	True Power Factor, Phase B	Integer	-3	0 ~ 1000	Derived using the complete harmonic content of real and apparent power. 4-wire systems only
94	40095	True Power Factor, Phase C	Integer	-3	0 ~ 1000	Derived using the complete harmonic content of real and apparent power. 4-wire systems only
95	40096	True Power Factor, Total	Integer	-3	0 ~ 1000	Derived using the complete harmonic content of real and apparent power
100	40101	Displacement Power Factor, Phase A	Integer	-3	0 ~ 1000	Derived using only fundamental frequency of the real and apparent power. 4-wire systems only
101	40102	Displacement Power Factor, Phase B	Integer	-3	0 ~ 1000	Derived using only fundamental frequency of the real and apparent power. 4-wire systems only
102	40103	Displacement Power Factor, Phase C	Integer	-3	0 ~ 1000	Derived using only fundamental frequency of the real and apparent power. 4-wire systems only
103	40104	Displacement Power	Integer	-3	0	Derived using only fundamental

		Factor, Total			~ 1000	frequency of the real and apparent power

[110] Present Month Max/Min

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
110	40111	Min Voltage L-L	Integer	0	V	Min value metered for all phases
111	40112	Max Voltage L-L	Integer	0	V	Max value metered for all phases
112	40113	Min Voltage L-N	Integer	0	V	Min value metered for all phases
113	40114	Max Voltage L-N	Integer	0	V	Max value metered for all phases
114	40115	Min Current	Integer	0	A	Min value metered for all phases
115	40116	Max Current	Integer	0	A	Max value metered for all phases
116	40117	Min Voltage L-L, Unbalance	Integer	-1	%	Min value metered for all phases
117	40118	Max Voltage L-L, Unbalance	Integer	-1	%	Max value metered for all phases
118	40119	Min Voltage L-N Unbalance	Integer	-1	%	Min value metered for all phases
119	40120	Max Voltage L-N Unbalance	Integer	-1	%	Max value metered for all phases
124	40125	Min Real Power Total	Integer	0	KW	Min value metered for all phases
125	40126	Max Real Power Total	Integer	0	KW	Max value metered for all phases
126	40127	Min Reactive Power Total	Integer	0	KVAR	Min value metered for all phases
127	40128	Max Reactive Power Total	Integer	0	KVAR	Max value metered for all phases
128	40129	Min Apparent Power Total	Integer	0	KVA	Min value metered for all phases
129	40130	Max Apparent Power Total	Integer	0	KVA	Max value metered for all phases
130	40131	Min THD/thd Voltage L-L	Integer	-1	%	Min value metered for all phases
131	40132	Max THD/thd Voltage L-L	Integer	-1	%	Max value metered for all phases
132	40133	Min THD/thd Voltage L-N	Integer	-1	%	Min value metered for all phases
133	40134	Max THD/thd Voltage L-N	Integer	-1	%	Max value metered for all phases
134	40135	Min THD/thd Current	Integer	-1	%	Min value metered for all phases
135	40136	Max THD/thd Current	Integer	-1	%	Max value metered for all phases
136	40137	Min Frequency	Integer	-2	HZ	Min value metered for all phases
137	40138	Max Frequency	Integer	-2	HZ	Max value metered for all phases

[140] Previous Month Max/Min

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
140	40141	Min Voltage L-L	Integer	0	V	Min value metered for all phases
141	40142	Max Voltage L-L	Integer	0	V	Max value metered for all phases
142	40143	Min Voltage L-N	Integer	0	V	Min value metered for all phases
143	40144	Max Voltage L-N	Integer	0	V	Max value metered for all phases
144	40145	Min Current	Integer	0	A	Min value metered for all phases
145	40146	Max Current	Integer	0	A	Max value metered for all phases
146	40147	Min Voltage L-L, Unbalance	Integer	-1	%	Min value metered for all phases
147	40148	Max Voltage L-L, Unbalance	Integer	-1	%	Max value metered for all phases
148	40149	Min Voltage L-N Unbalance	Integer	-1	%	Min value metered for all phases
149	40150	Max Voltage L-N Unbalance	Integer	-1	%	Max value metered for all phases
154	40155	Min Real Power Total	Integer	0	KW	Min value metered for all phases
155	40156	Max Real Power Total	Integer	0	KW	Max value metered for all phases
156	40157	Min Reactive Power Total	Integer	0	KVAR	Min value metered for all phases
157	40158	Max Reactive Power Total	Integer	0	KVAR	Max value metered for all phases
158	40159	Min Apparent Power Total	Integer	0	KVA	Min value metered for all phases
159	40160	Max Apparent Power Total	Integer	0	KVA	Max value metered for all phases
160	40161	Min THD/thd Voltage L-L	Integer	-1	%	Min value metered for all phases
161	40162	Max THD/thd Voltage L-L	Integer	-1	%	Max value metered for all phases
162	40163	Min THD/thd Voltage L-N	Integer	-1	%	Min value metered for all phases
163	40164	Max THD/thd Voltage L-N	Integer	-1	%	Max value metered for all phases
164	40165	Min THD/thd Current	Integer	-1	%	Min value metered for all phases
165	40166	Max THD/thd Current	Integer	-1	%	Max value metered for all phases
166	40167	Min Frequency	Integer	-2	HZ	Min value metered for all phases
167	40168	Max Frequency	Integer	-2	HZ	Max value metered for all phases

[170] THD

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
170	40171	THD/thd Current, Phase A	Integer	-1	%	Total Harmonic Distortion, Phase A Current
171	40172	THD/thd Current, Phase B	Integer	-1	%	Total Harmonic Distortion, Phase B Current
172	40173	THD/thd Current, Phase C	Integer	-1	%	Total Harmonic Distortion, Phase C Current
173	40174	THD/thd Current, Phase N	Integer	-1	%	Total Harmonic Distortion, Phase N Current
174	40175	THD/thd Voltage, Phase A-N	Integer	-1	%	Total Harmonic Distortion Phase A-N(4-wire systems only)
175	40176	THD/thd Voltage, Phase B-N	Integer	-1	%	Total Harmonic Distortion Phase B-N(4-wire systems only)
176	40177	THD/thd Voltage, Phase C-N	Integer	-1	%	Total Harmonic Distortion Phase C-N(4-wire systems only)
177	40178	THD/thd Voltage, Phase A-B	Integer	-1	%	Total Harmonic Distortion Phase A-B
178	40179	THD/thd Voltage, Phase B-C	Integer	-1	%	Total Harmonic Distortion Phase B-C
179	40180	THD/thd Voltage, Phase C-A	Integer	-1	%	Total Harmonic Distortion Phase C-A
180	40181	Current Fundamental RMS Magnitude, Phase A	Integer	0	A	
181	40182	Current Fundamental Coincident Angle, Phase A	Integer	-1	1°	Referenced to A-N Voltage Angle
182	40183	Current Fundamental RMS Magnitude, Phase B	Integer	0	A	
183	40184	Current Fundamental Coincident Angle, Phase B	Integer	-1	1°	Referenced to B-N Voltage Angle
184	40185	Current Fundamental RMS Magnitude, Phase C	Integer	0	A	
185	40186	Current Fundamental Coincident Angle, Phase C	Integer	-1	1°	Referenced to C-N Voltage Angle
186	40187	Current Fundamental RMS Magnitude, Neutral	Integer	0	A	4-wire systems only
187	40188	Current Fundamental Coincident Angle, Neutral	Integer	-1	1°	4-wire systems only, Referenced to A-N Voltage Angle
188	40189	Voltage Fundamental RMS Magnitude, A-N	Integer	0	A	Voltage A-N (4-wire systems)
189	40190	Voltage Fundamental Coincident Angle, A-N	Integer	-1	1°	Referenced to A-N (4-wire)
190	40191	Voltage Fundamental RMS Magnitude, B-N	Integer	0	A	Voltage A-N (4-wire systems)
191	40192	Voltage Fundamental Coincident	Integer	-1	1°	Referenced to A-N (4-wire)

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
		Angle, B-N				
192	40193	Voltage Fundamental RMS Magnitude, C-N	Integer	0	A	Voltage A-N (4-wire systems)
193	40194	Voltage Fundamental Coincident Angle, C-N	Integer	-1	1°	Referenced to A-N (4-wire)

[200] Harmonic Magnitudes and Angles

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Notes
200	40201	Harmonic Magnitudes and Angles, Current, Phase A	Integer	/	See Template
262	40263	Harmonic Magnitudes and Angles, Current, Phase B	Integer	/	See Template
324	40325	Harmonic Magnitudes and Angles, Current, Phase C	Integer	/	See Template
386	40387	Harmonic Magnitudes and Angles, Current, Neutral	Integer	/	See Template
448	40449	Harmonic Magnitudes and Angles, Voltage A-N	Integer	/	See Template
510	40511	Harmonic Magnitudes and Angles, Voltage A-B	Integer	/	See Template
572	40573	Harmonic Magnitudes and Angles, Voltage B-N	Integer	/	See Template
634	40635	Harmonic Magnitudes and Angles, Voltage B-C	Integer	/	See Template
696	40697	Harmonic Magnitudes and Angles, Voltage C-N	Integer	/	See Template
758	40759	Harmonic Magnitudes and Angles, Voltage C-A	Integer	/	See Template
820	40821	Harmonic Magnitudes and Angles, Voltage N-G	Integer	/	See Template

Data Template

Reg. IEC61131	Reg. Modbus	Name	Type	Scale	Unit	Notes
Base	Base	H 1 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+1	Base+1	H 1 Angle	Integer	-1	1°	Angle of 1st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+2	Base+2	H 2 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+3	Base+3	H 2 Angle	Integer	-1	1°	Angle of 2st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+4	Base+4	H 3 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+5	Base+5	H 3 Angle	Integer	-1	1°	Angle of 3st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+6	Base+6	H 4 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of

						the reference value,
Base+7	Base+7	H 4 Angle	Integer	-1	1°	Angle of 4st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+8	Base+8	H 5 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+9	Base+9	H 5 Angle	Integer	-1	1°	Angle of 5st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+10	Base+10	H 6 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+11	Base+11	H 6 Angle	Integer	-1	1°	Angle of 6st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+12	Base+12	H 7 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+13	Base+13	H 7 Angle	Integer	-1	1°	Angle of 7st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+14	Base+14	H 8 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+15	Base+15	H 8 Angle	Integer	-1	1°	Angle of 8st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+16	Base+16	H 9 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+17	Base+17	H 9 Angle	Integer	-1	1°	Angle of 9st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+18	Base+18	H 10 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+19	Base+19	H 10 Angle	Integer	-1	1°	Angle of 10st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+20	Base+20	H 11 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+21	Base+21	H 11 Angle	Integer	-1	1°	Angle of 11st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+22	Base+22	H 12 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+23	Base+23	H 12 Angle	Integer	-1	1°	Angle of 12st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+24	Base+24	H 13 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+25	Base+25	H 13 Angle	Integer	-1	1°	Angle of 13st harmonic referenced to fundamental

						Voltage A-N (4-wire)
Base+ 26	Base+2 6	H 14 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 27	Base+2 7	H 14 Angle	Integer	-1	1°	Angle of 14st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 28	Base+2 8	H 15 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 29	Base+2 9	H1 5 Angle	Integer	-1	1°	Angle of 15st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 30	Base+3 0	H 16 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 31	Base+3 1	H 16 Angle	Integer	-1	1°	Angle of 16st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 32	Base+3 2	H1 7 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 33	Base+3 3	H 17 Angle	Integer	-1	1°	Angle of 17st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 34	Base+3 4	H1 8 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 35	Base+3 5	H 18 Angle	Integer	-1	1°	Angle of 18st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 36	Base+3 6	H 19 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 37	Base+3 7	H 19 Angle	Integer	-1	1°	Angle of 19st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 38	Base+3 8	H 20 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 39	Base+3 9	H 20 Angle	Integer	-1	1°	Angle of 20st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 40	Base+4 0	H 21 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 41	Base+4 1	H 21 Angle	Integer	-1	1°	Angle of 21st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+ 42	Base+4 2	H 22 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,

Base+43	Base+43	H 22 Angle	Integer	-1	1°	Angle of 22st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+44	Base+44	H 23 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+45	Base+45	H 23 Angle	Integer	-1	1°	Angle of 23st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+46	Base+46	H 24 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+47	Base+47	H 24 Angle	Integer	-1	1°	Angle of 24st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+48	Base+48	H 25 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+49	Base+49	H 25 Angle	Integer	-1	1°	Angle of 25st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+50	Base+50	H 26 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+51	Base+51	H 26 Angle	Integer	-1	1°	Angle of 26st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+52	Base+52	H2 7 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+53	Base+53	H 27 Angle	Integer	-1	1°	Angle of 27st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+54	Base+54	H 28 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+55	Base+55	H 28 Angle	Integer	-1	1°	Angle of 28st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+56	Base+56	H 29 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+57	Base+57	H 29 Angle	Integer	-1	1°	Angle of 29st harmonic referenced to fundamental Voltage A-N (4-wire)
Base+58	Base+58	H 30 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+59	Base+59	H 30 Angle	Integer	-1	1°	Angle of 30st harmonic referenced to fundamental Voltage A-N (4-wire)

Base+ 60	Base+6 0	H 31 Magnitude	Integer	-2	%	Magnitude of harmonic expressed as a percentage of the reference value,
Base+ 61	Base+6 1	H 31 Angle	Integer	-1	1°	Angle of 31st harmonic referenced to fundamental Voltage A-N (4-wire)

[960] Input Signals

Reg. IEC61131	Reg. Modbus	Bit	Name	Type	Notes	
960	40961	0	QF1 ON/OFF	bit	0: open	1:close
		1	QF2 ON/OFF（option）	bit	0: open	1:close
		2	QF1 SD	bit	0: open	1:close
		3	QF2 SD（option）	bit	0: open	1:close
		4	TVSS	bit	0: open	1:close
		5	TFO 160	bit	0: open	1:close
		6	TFO 180	bit	0: open	1:close

Branch Output Metering

[952] Switch Status

Reg. IEC61131	Reg. Modbus	Bit	Branch Number	Type	Notes		
952	40953	0	1	bit	0: open	1:close	
		1	2	bit	0: open	1:close	
		2	3	bit	0: open	1:close	
		3	4	bit	0: open	1:close	
		4	5	bit	0: open	1:close	
		5	6	bit	0: open	1:close	
		6	7	bit	0: open	1:close	
		7	8	bit	0: open	1:close	
		8	9	bit	0: open	1:close	
		9	10	bit	0: open	1:close	
		10	11	bit	0: open	1:close	
		11	12	bit	0: open	1:close	
		12	13	bit	0: open	1:close	
		13	14	bit	0: open	1:close	
		14	15	bit	0: open	1:close	
		15	16	bit	0: open	1:close	
953	40954	0	17	bit	0: open	1:close	
		1	18	bit	0: open	1:close	
		2	19	bit	0: open	1:close	
		3	20	bit	0: open	1:close	
		4	21	bit	0: open	1:close	
		5	22	bit	0: open	1:close	
		6	23	bit	0: open	1:close	
		7	24	bit	0: open	1:close	
		8	25	bit	0: open	1:close	
		9	26	bit	0: open	1:close	
		10	27	bit	0: open	1:close	
		11	28	bit	0: open	1:close	
		12	29	bit	0: open	1:close	
		13	30	bit	0: open	1:close	
		14	31	bit	0: open	1:close	
		15	32	bit	0: open	1:close	
954	40955	0	33	bit	0: open	1:close	
		1	34	bit	0: open	1:close	
		2	35	bit	0: open	1:close	
		3	36	bit	0: open	1:close	

		4	37	bit	0: open	1:close
		5	38	bit	0: open	1:close
		6	39	bit	0: open	1:close
		7	40	bit	0: open	1:close
		8	41	bit	0: open	1:close
		9	42	bit	0: open	1:close
		10	43	bit	0: open	1:close
		11	44	bit	0: open	1:close
		12	45	bit	0: open	1:close
		13	46	bit	0: open	1:close
		14	47	bit	0: open	1:close
		15	48	bit	0: open	1:close
955	40956	0	49	bit	0: open	1:close
		1	50	bit	0: open	1:close
		2	51	bit	0: open	1:close
		3	52	bit	0: open	1:close
		4	53	bit	0: open	1:close
		5	54	bit	0: open	1:close
		6	55	bit	0: open	1:close
		7	56	bit	0: open	1:close
		8	57	bit	0: open	1:close
		9	58	bit	0: open	1:close
		10	59	bit	0: open	1:close
		11	60	bit	0: open	1:close
		12	61	bit	0: open	1:close
		13	62	bit	0: open	1:close
		14	63	bit	0: open	1:close
		15	64	bit	0: open	1:close
956	40957	0	65	bit	0: open	1:close
		1	66	bit	0: open	1:close
		2	67	bit	0: open	1:close
		3	68	bit	0: open	1:close
		4	69	bit	0: open	1:close
		5	70	bit	0: open	1:close
		6	71	bit	0: open	1:close
		7	72	bit	0: open	1:close
		8	73	bit	0: open	1:close
		9	74	bit	0: open	1:close
		10	75	bit	0: open	1:close
		11	76	bit	0: open	1:close
		12	77	bit	0: open	1:close
		13	78	bit	0: open	1:close
		14	79	bit	0: open	1:close

		15	80	bit	0: open	1:close
957	40958	0	81	bit	0: open	1:close
		1	82	bit	0: open	1:close
		2	83	bit	0: open	1:close
		3	84	bit	0: open	1:close
		4	85	bit	0: open	1:close
		5	86	bit	0: open	1:close
		6	87	bit	0: open	1:close
		7	88	bit	0: open	1:close
		8	89	bit	0: open	1:close
		9	90	bit	0: open	1:close
		10	91	bit	0: open	1:close
		11	92	bit	0: open	1:close
		12	93	bit	0: open	1:close
		13	94	bit	0: open	1:close
		14	95	bit	0: open	1:close
		15	96	bit	0: open	1:close
958	40959	0	97	bit	0: open	1:close
		1	98	bit	0: open	1:close
		2	99	bit	0: open	1:close
		3	100	bit	0: open	1:close
		4	101	bit	0: open	1:close
		5	102	bit	0: open	1:close
		6	103	bit	0: open	1:close
		7	104	bit	0: open	1:close
		8	105	bit	0: open	1:close
		9	106	bit	0: open	1:close
		10	107	bit	0: open	1:close
		11	108	bit	0: open	1:close
		12	109	bit	0: open	1:close
		13	110	bit	0: open	1:close
		14	111	bit	0: open	1:close
		15	112	bit	0: open	1:close
959	40960	0	113	bit	0: open	1:close
		1	114	bit	0: open	1:close
		2	115	bit	0: open	1:close
		3	116	bit	0: open	1:close
		4	117	bit	0: open	1:close
		5	118	bit	0: open	1:close
		6	119	bit	0: open	1:close
		7	120	bit	0: open	1:close
		8	121	bit	0: open	1:close
		9	122	bit	0: open	1:close

		10	123	bit	0: open	1:close
		11	124	bit	0: open	1:close
		12	125	bit	0: open	1:close
		13	126	bit	0: open	1:close

[970] Voltage

Reg. %MW	Reg.	Name	Type	Scale	Unit	Notes
970	41971	Voltage Scale	Integer	/		
971	41972	Frequency	Integer	-2	Hz	

Reg. %MW	Reg.	Name	Type	Scale Reg.	Unit	Notes
972	41973	VOLTS L-N Ave	Integer	970	V	0~32767
973	41974	VOLTS L-L Ave	Integer	970	V	0~32767
974	41975	VOLTS A-N	Integer	970	V	0~32767
975	41976	VOLTS B-N	Integer	970	V	0~32767
976	41877	VOLTS C-N	Integer	970	V	0~32767
977	41978	VOLTS A-B	Integer	970	V	0~32767
978	41979	VOLTS B-C	Integer	970	V	0~32767
979	41980	VOLTS C-A	Integer	970	V	0~32767

[1000] Current

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale	Unit	Range
1000	41001	1	Integer	-2	A	0~32767 (0 A ~327.67 A)
1001	41002	2	Integer	-2	A	0~32767
1002	41003	3	Integer	-2	A	0~32767
1003	41004	4	Integer	-2	A	0~32767
1004	41005	5	Integer	-2	A	0~32767
1005	41006	6	Integer	-2	A	0~32767
1006	41007	7	Integer	-2	A	0~32767
1007	41008	8	Integer	-2	A	0~32767
1008	41009	9	Integer	-2	A	0~32767
1009	41010	10	Integer	-2	A	0~32767
1010	41011	11	Integer	-2	A	0~32767
1011	41012	12	Integer	-2	A	0~32767
1012	41013	13	Integer	-2	A	0~32767
1013	41014	14	Integer	-2	A	0~32767
1014	41015	15	Integer	-2	A	0~32767
1015	41016	16	Integer	-2	A	0~32767
1016	41017	17	Integer	-2	A	0~32767
1017	41018	18	Integer	-2	A	0~32767
1018	41019	19	Integer	-2	A	0~32767
1019	41020	20	Integer	-2	A	0~32767
1020	41021	21	Integer	-2	A	0~32767
1021	41022	22	Integer	-2	A	0~32767
1022	41023	23	Integer	-2	A	0~32767

1023	41024	24	Integer	-2	A	0~32767
1024	41025	25	Integer	-2	A	0~32767
1025	41026	26	Integer	-2	A	0~32767
1026	41027	27	Integer	-2	A	0~32767
1027	41028	28	Integer	-2	A	0~32767
1028	41029	29	Integer	-2	A	0~32767
1029	41030	30	Integer	-2	A	0~32767
1030	41031	31	Integer	-2	A	0~32767
1031	41032	32	Integer	-2	A	0~32767
1032	41033	33	Integer	-2	A	0~32767
1033	41034	34	Integer	-2	A	0~32767
1034	41035	35	Integer	-2	A	0~32767
1035	41036	36	Integer	-2	A	0~32767
1036	41037	37	Integer	-2	A	0~32767
1037	41038	38	Integer	-2	A	0~32767
1038	41039	39	Integer	-2	A	0~32767
1039	41040	40	Integer	-2	A	0~32767
1040	41041	41	Integer	-2	A	0~32767
1041	41042	42	Integer	-2	A	0~32767
1042	41043	43	Integer	-2	A	0~32767
1043	41044	44	Integer	-2	A	0~32767
1044	41045	45	Integer	-2	A	0~32767
1045	41046	46	Integer	-2	A	0~32767
1046	41047	47	Integer	-2	A	0~32767
1047	41048	48	Integer	-2	A	0~32767
1048	41049	49	Integer	-2	A	0~32767
1049	41050	50	Integer	-2	A	0~32767
1050	41051	51	Integer	-2	A	0~32767
1051	41052	52	Integer	-2	A	0~32767
1052	41053	53	Integer	-2	A	0~32767
1053	41054	54	Integer	-2	A	0~32767
1054	41055	55	Integer	-2	A	0~32767
1055	41056	56	Integer	-2	A	0~32767
1056	41057	57	Integer	-2	A	0~32767
1057	41058	58	Integer	-2	A	0~32767
1058	41059	59	Integer	-2	A	0~32767
1059	41060	60	Integer	-2	A	0~32767
1060	41061	61	Integer	-2	A	0~32767
1061	41062	62	Integer	-2	A	0~32767
1062	41063	63	Integer	-2	A	0~32767
1063	41064	64	Integer	-2	A	0~32767
1064	41065	65	Integer	-2	A	0~32767
1065	41066	66	Integer	-2	A	0~32767
1066	41067	67	Integer	-2	A	0~32767
1067	41068	68	Integer	-2	A	0~32767
1068	41069	69	Integer	-2	A	0~32767
1069	41070	70	Integer	-2	A	0~32767
1070	41071	71	Integer	-2	A	0~32767
1071	41072	72	Integer	-2	A	0~32767
1072	41073	73	Integer	-2	A	0~32767
1073	41074	74	Integer	-2	A	0~32767
1074	41075	75	Integer	-2	A	0~32767
1075	41076	76	Integer	-2	A	0~32767
1076	41077	77	Integer	-2	A	0~32767
1077	41078	78	Integer	-2	A	0~32767
1078	41079	79	Integer	-2	A	0~32767
1079	41080	80	Integer	-2	A	0~32767

1080	41081	81	Integer	-2	A	0~32767
1081	41082	82	Integer	-2	A	0~32767
1082	41083	83	Integer	-2	A	0~32767
1083	41084	84	Integer	-2	A	0~32767
1084	41085	85	Integer	-2	A	0~32767
1085	41086	86	Integer	-2	A	0~32767
1086	41087	87	Integer	-2	A	0~32767
1087	41088	88	Integer	-2	A	0~32767
1088	41089	89	Integer	-2	A	0~32767
1089	41090	90	Integer	-2	A	0~32767
1090	41091	91	Integer	-2	A	0~32767
1091	41092	92	Integer	-2	A	0~32767
1092	41093	93	Integer	-2	A	0~32767
1093	41094	94	Integer	-2	A	0~32767
1094	41095	95	Integer	-2	A	0~32767
1095	41096	96	Integer	-2	A	0~32767
1096	41097	97	Integer	-2	A	0~32767
1097	41098	98	Integer	-2	A	0~32767
1098	41099	99	Integer	-2	A	0~32767
1099	41100	100	Integer	-2	A	0~32767
1100	41101	101	Integer	-2	A	0~32767
1101	41102	102	Integer	-2	A	0~32767
1102	41103	103	Integer	-2	A	0~32767
1103	41104	104	Integer	-2	A	0~32767
1104	41105	105	Integer	-2	A	0~32767
1105	41106	106	Integer	-2	A	0~32767
1106	41107	107	Integer	-2	A	0~32767
1107	41108	108	Integer	-2	A	0~32767
1108	41109	109	Integer	-2	A	0~32767
1109	41110	110	Integer	-2	A	0~32767
1110	41111	111	Integer	-2	A	0~32767
1111	41112	112	Integer	-2	A	0~32767
1112	41113	113	Integer	-2	A	0~32767
1113	41114	114	Integer	-2	A	0~32767
1114	41115	115	Integer	-2	A	0~32767
1115	41116	116	Integer	-2	A	0~32767
1116	41117	117	Integer	-2	A	0~32767
1117	41118	118	Integer	-2	A	0~32767
1118	41119	119	Integer	-2	A	0~32767
1119	41120	120	Integer	-2	A	0~32767
1120	41121	121	Integer	-2	A	0~32767
1121	41122	122	Integer	-2	A	0~32767
1122	41123	123	Integer	-2	A	0~32767
1123	41124	124	Integer	-2	A	0~32767
1124	41125	125	Integer	-2	A	0~32767
1125	41126	126	Integer	-2	A	0~32767

[1150] Load Ratio

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale	Unit	Notes
1150	41151	1	Integer	-2	%	0~32767 (0.01%~327.68%)
1151	41152	2	Integer	-2	%	0~32767
1152	41153	3	Integer	-2	%	0~32767
1153	41154	4	Integer	-2	%	0~32767

1154	41155	5	Integer	-2	%	0~32767
1155	41156	6	Integer	-2	%	0~32767
1156	41157	7	Integer	-2	%	0~32767
1157	41158	8	Integer	-2	%	0~32767
1158	41159	9	Integer	-2	%	0~32767
1159	41160	10	Integer	-2	%	0~32767
1160	41161	11	Integer	-2	%	0~32767
1161	41162	12	Integer	-2	%	0~32767
1162	41163	13	Integer	-2	%	0~32767
1163	41164	14	Integer	-2	%	0~32767
1164	41165	15	Integer	-2	%	0~32767
1165	41166	16	Integer	-2	%	0~32767
1166	41167	17	Integer	-2	%	0~32767
1167	41168	18	Integer	-2	%	0~32767
1168	41169	19	Integer	-2	%	0~32767
1169	41170	20	Integer	-2	%	0~32767
1170	41171	21	Integer	-2	%	0~32767
1171	41172	22	Integer	-2	%	0~32767
1172	41173	23	Integer	-2	%	0~32767
1173	41174	24	Integer	-2	%	0~32767
1174	41175	25	Integer	-2	%	0~32767
1175	41176	26	Integer	-2	%	0~32767
1176	41177	27	Integer	-2	%	0~32767
1177	41178	28	Integer	-2	%	0~32767
1178	41179	29	Integer	-2	%	0~32767
1179	41180	30	Integer	-2	%	0~32767
1180	41181	31	Integer	-2	%	0~32767
1181	41182	32	Integer	-2	%	0~32767
1182	41183	33	Integer	-2	%	0~32767
1183	41184	34	Integer	-2	%	0~32767
1184	41185	35	Integer	-2	%	0~32767
1185	41186	36	Integer	-2	%	0~32767
1186	41187	37	Integer	-2	%	0~32767
1187	41188	38	Integer	-2	%	0~32767
1188	41189	39	Integer	-2	%	0~32767
1189	41190	40	Integer	-2	%	0~32767
1190	41191	41	Integer	-2	%	0~32767
1191	41192	42	Integer	-2	%	0~32767
1192	41193	43	Integer	-2	%	0~32767
1193	41194	44	Integer	-2	%	0~32767
1194	41195	45	Integer	-2	%	0~32767
1195	41196	46	Integer	-2	%	0~32767
1196	41197	47	Integer	-2	%	0~32767
1197	41198	48	Integer	-2	%	0~32767
1198	41199	49	Integer	-2	%	0~32767
1199	41200	50	Integer	-2	%	0~32767
1200	41201	51	Integer	-2	%	0~32767
1201	41202	52	Integer	-2	%	0~32767
1202	41203	53	Integer	-2	%	0~32767
1203	41204	54	Integer	-2	%	0~32767
1204	41205	55	Integer	-2	%	0~32767
1205	41206	56	Integer	-2	%	0~32767
1206	41207	57	Integer	-2	%	0~32767
1207	41208	58	Integer	-2	%	0~32767
1208	41209	59	Integer	-2	%	0~32767
1209	41210	60	Integer	-2	%	0~32767
1210	41211	61	Integer	-2	%	0~32767

1211	41212	62	Integer	-2	%	0~32767
1212	41213	63	Integer	-2	%	0~32767
1213	41214	64	Integer	-2	%	0~32767
1214	41215	65	Integer	-2	%	0~32767
1215	41216	66	Integer	-2	%	0~32767
1216	41217	67	Integer	-2	%	0~32767
1217	41218	68	Integer	-2	%	0~32767
1218	41219	69	Integer	-2	%	0~32767
1219	41220	70	Integer	-2	%	0~32767
1220	41221	71	Integer	-2	%	0~32767
1221	41222	72	Integer	-2	%	0~32767
1222	41223	73	Integer	-2	%	0~32767
1223	41224	74	Integer	-2	%	0~32767
1224	41225	75	Integer	-2	%	0~32767
1225	41226	76	Integer	-2	%	0~32767
1226	41227	77	Integer	-2	%	0~32767
1227	41228	78	Integer	-2	%	0~32767
1228	41229	79	Integer	-2	%	0~32767
1229	41230	80	Integer	-2	%	0~32767
1230	41231	81	Integer	-2	%	0~32767
1231	41232	82	Integer	-2	%	0~32767
1232	41233	83	Integer	-2	%	0~32767
1233	41234	84	Integer	-2	%	0~32767
1234	41235	85	Integer	-2	%	0~32767
1235	41236	86	Integer	-2	%	0~32767
1236	41237	87	Integer	-2	%	0~32767
1237	41238	88	Integer	-2	%	0~32767
1238	41239	89	Integer	-2	%	0~32767
1239	41240	90	Integer	-2	%	0~32767
1240	41241	91	Integer	-2	%	0~32767
1241	41242	92	Integer	-2	%	0~32767
1242	41243	93	Integer	-2	%	0~32767
1243	41244	94	Integer	-2	%	0~32767
1244	41245	95	Integer	-2	%	0~32767
1245	41246	96	Integer	-2	%	0~32767
1246	41247	97	Integer	-2	%	0~32767
1247	41248	98	Integer	-2	%	0~32767
1248	41249	99	Integer	-2	%	0~32767
1249	41250	100	Integer	-2	%	0~32767
1250	41251	101	Integer	-2	%	0~32767
1251	41252	102	Integer	-2	%	0~32767
1252	41253	103	Integer	-2	%	0~32767
1253	41254	104	Integer	-2	%	0~32767
1254	41255	105	Integer	-2	%	0~32767
1255	41256	106	Integer	-2	%	0~32767
1256	41257	107	Integer	-2	%	0~32767
1257	41258	108	Integer	-2	%	0~32767
1258	41259	109	Integer	-2	%	0~32767
1259	41260	110	Integer	-2	%	0~32767
1260	41261	111	Integer	-2	%	0~32767
1261	41262	112	Integer	-2	%	0~32767
1262	41263	113	Integer	-2	%	0~32767
1263	41264	114	Integer	-2	%	0~32767
1264	41265	115	Integer	-2	%	0~32767
1265	41266	116	Integer	-2	%	0~32767
1266	41267	117	Integer	-2	%	0~32767
1267	41268	118	Integer	-2	%	0~32767

1268	41269	119	Integer	-2	%	0~32767
1269	41270	120	Integer	-2	%	0~32767
1270	41271	121	Integer	-2	%	0~32767
1271	41272	122	Integer	-2	%	0~32767
1272	41273	123	Integer	-2	%	0~32767
1273	41274	124	Integer	-2	%	0~32767
1274	41275	125	Integer	-2	%	0~32767
1275	41276	126	Integer	-2	%	0~32767

[1300] Active Power

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale	Unit	Notes
1300	41301	1	Integer	-2	kW	0~32767 (0~327.67kW)
1301	41302	2	Integer	-2	kW	0~32767
1302	41303	3	Integer	-2	kW	0~32767
1303	41304	4	Integer	-2	kW	0~32767
1304	41305	5	Integer	-2	kW	0~32767
1305	41306	6	Integer	-2	kW	0~32767
1306	41307	7	Integer	-2	kW	0~32767
1307	41308	8	Integer	-2	kW	0~32767
1308	41309	9	Integer	-2	kW	0~32767
1309	41310	10	Integer	-2	kW	0~32767
1310	41311	11	Integer	-2	kW	0~32767
1311	41312	12	Integer	-2	kW	0~32767
1312	41313	13	Integer	-2	kW	0~32767
1313	41314	14	Integer	-2	kW	0~32767
1314	41315	15	Integer	-2	kW	0~32767
1315	41316	16	Integer	-2	kW	0~32767
1316	41317	17	Integer	-2	kW	0~32767
1317	41318	18	Integer	-2	kW	0~32767
1318	41319	19	Integer	-2	kW	0~32767
1319	41320	20	Integer	-2	kW	0~32767
1320	41321	21	Integer	-2	kW	0~32767
1321	41322	22	Integer	-2	kW	0~32767
1322	41323	23	Integer	-2	kW	0~32767
1323	41324	24	Integer	-2	kW	0~32767
1324	41325	25	Integer	-2	kW	0~32767
1325	41326	26	Integer	-2	kW	0~32767
1326	41327	27	Integer	-2	kW	0~32767
1327	41328	28	Integer	-2	kW	0~32767
1328	41329	29	Integer	-2	kW	0~32767
1329	41330	30	Integer	-2	kW	0~32767
1330	41331	31	Integer	-2	kW	0~32767
1331	41332	32	Integer	-2	kW	0~32767
1332	41333	33	Integer	-2	kW	0~32767
1333	41334	34	Integer	-2	kW	0~32767
1334	41335	35	Integer	-2	kW	0~32767
1335	41336	36	Integer	-2	kW	0~32767
1336	41337	37	Integer	-2	kW	0~32767
1337	41338	38	Integer	-2	kW	0~32767
1338	41339	39	Integer	-2	kW	0~32767
1339	41340	40	Integer	-2	kW	0~32767
1340	41341	41	Integer	-2	kW	0~32767
1341	41342	42	Integer	-2	kW	0~32767

1342	41343	43	Integer	-2	kW	0~32767
1343	41344	44	Integer	-2	kW	0~32767
1344	41345	45	Integer	-2	kW	0~32767
1345	41346	46	Integer	-2	kW	0~32767
1346	41347	47	Integer	-2	kW	0~32767
1347	41348	48	Integer	-2	kW	0~32767
1348	41349	49	Integer	-2	kW	0~32767
1349	41350	50	Integer	-2	kW	0~32767
1350	41351	51	Integer	-2	kW	0~32767
1351	41352	52	Integer	-2	kW	0~32767
1352	41353	53	Integer	-2	kW	0~32767
1353	41354	54	Integer	-2	kW	0~32767
1354	41355	55	Integer	-2	kW	0~32767
1355	41356	56	Integer	-2	kW	0~32767
1356	41357	57	Integer	-2	kW	0~32767
1357	41358	58	Integer	-2	kW	0~32767
1358	41359	59	Integer	-2	kW	0~32767
1359	41360	60	Integer	-2	kW	0~32767
1360	41361	61	Integer	-2	kW	0~32767
1361	41362	62	Integer	-2	kW	0~32767
1362	41363	63	Integer	-2	kW	0~32767
1363	41364	64	Integer	-2	kW	0~32767
1364	41365	65	Integer	-2	kW	0~32767
1365	41366	66	Integer	-2	kW	0~32767
1366	41367	67	Integer	-2	kW	0~32767
1367	41368	68	Integer	-2	kW	0~32767
1368	41369	69	Integer	-2	kW	0~32767
1369	41370	70	Integer	-2	kW	0~32767
1370	41371	71	Integer	-2	kW	0~32767
1371	41372	72	Integer	-2	kW	0~32767
1372	41373	73	Integer	-2	kW	0~32767
1373	41374	74	Integer	-2	kW	0~32767
1374	41375	75	Integer	-2	kW	0~32767
1375	41376	76	Integer	-2	kW	0~32767
1376	41377	77	Integer	-2	kW	0~32767
1377	41378	78	Integer	-2	kW	0~32767
1378	41379	79	Integer	-2	kW	0~32767
1379	41380	80	Integer	-2	kW	0~32767
1380	41381	81	Integer	-2	kW	0~32767
1381	41382	82	Integer	-2	kW	0~32767
1382	41383	83	Integer	-2	kW	0~32767
1383	41384	84	Integer	-2	kW	0~32767
1384	41385	85	Integer	-2	kW	0~32767
1385	41386	86	Integer	-2	kW	0~32767
1386	41387	87	Integer	-2	kW	0~32767
1387	41388	88	Integer	-2	kW	0~32767
1388	41389	89	Integer	-2	kW	0~32767
1389	41390	90	Integer	-2	kW	0~32767
1390	41391	91	Integer	-2	kW	0~32767
1391	41392	92	Integer	-2	kW	0~32767
1392	41393	93	Integer	-2	kW	0~32767
1393	41394	94	Integer	-2	kW	0~32767
1394	41395	95	Integer	-2	kW	0~32767
1395	41396	96	Integer	-2	kW	0~32767
1396	41397	97	Integer	-2	kW	0~32767
1397	41398	98	Integer	-2	kW	0~32767
1398	41399	99	Integer	-2	kW	0~32767

1399	41400	100	Integer	-2	kW	0~32767
1400	41401	101	Integer	-2	kW	0~32767
1401	41402	102	Integer	-2	kW	0~32767
1402	41403	103	Integer	-2	kW	0~32767
1403	41404	104	Integer	-2	kW	0~32767
1404	41405	105	Integer	-2	kW	0~32767
1405	41406	106	Integer	-2	kW	0~32767
1406	41407	107	Integer	-2	kW	0~32767
1407	41408	108	Integer	-2	kW	0~32767
1408	41409	109	Integer	-2	kW	0~32767
1409	41410	110	Integer	-2	kW	0~32767
1410	41411	111	Integer	-2	kW	0~32767
1411	41412	112	Integer	-2	kW	0~32767
1412	41413	113	Integer	-2	kW	0~32767
1413	41414	114	Integer	-2	kW	0~32767
1414	41415	115	Integer	-2	kW	0~32767
1415	41416	116	Integer	-2	kW	0~32767
1416	41417	117	Integer	-2	kW	0~32767
1417	41418	118	Integer	-2	kW	0~32767
1418	41419	119	Integer	-2	kW	0~32767
1419	41420	120	Integer	-2	kW	0~32767
1420	41421	121	Integer	-2	kW	0~32767
1421	41422	122	Integer	-2	kW	0~32767
1422	41423	123	Integer	-2	kW	0~32767
1423	41424	124	Integer	-2	kW	0~32767
1424	41425	125	Integer	-2	kW	0~32767
1425	41426	126	Integer	-2	kW	0~32767

[1450] Reactive Power

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale	Unit	Notes
1450	41451	1	Integer	-2	KVar	0~32767 (0~327.67kVar)
1451	41452	2	Integer	-2	kVar	0~32767
1452	41453	3	Integer	-2	kVar	0~32767
1453	41454	4	Integer	-2	kVar	0~32767
1454	41455	5	Integer	-2	kVar	0~32767
1455	41456	6	Integer	-2	kVar	0~32767
1456	41457	7	Integer	-2	kVar	0~32767
1457	41458	8	Integer	-2	kVar	0~32767
1458	41459	9	Integer	-2	kVar	0~32767
1459	41460	10	Integer	-2	kVar	0~32767
1460	41461	11	Integer	-2	kVar	0~32767
1461	41462	12	Integer	-2	kVar	0~32767
1462	41463	13	Integer	-2	kVar	0~32767
1463	41464	14	Integer	-2	kVar	0~32767
1464	41465	15	Integer	-2	kVar	0~32767
1465	41466	16	Integer	-2	kVar	0~32767
1466	41467	17	Integer	-2	kVar	0~32767
1467	41468	18	Integer	-2	kVar	0~32767
1468	41469	19	Integer	-2	kVar	0~32767
1469	41470	20	Integer	-2	kVar	0~32767
1470	41471	21	Integer	-2	kVar	0~32767
1471	41472	22	Integer	-2	kVar	0~32767
1472	41473	23	Integer	-2	kVar	0~32767
1473	41474	24	Integer	-2	kVar	0~32767

1474	41475	25	Integer	-2	kVar	0~32767
1475	41476	26	Integer	-2	kVar	0~32767
1476	41477	27	Integer	-2	kVar	0~32767
1477	41478	28	Integer	-2	kVar	0~32767
1478	41479	29	Integer	-2	kVar	0~32767
1479	41480	30	Integer	-2	kVar	0~32767
1480	41481	31	Integer	-2	kVar	0~32767
1481	41482	32	Integer	-2	kVar	0~32767
1482	41483	33	Integer	-2	kVar	0~32767
1483	41484	34	Integer	-2	kVar	0~32767
1484	41485	35	Integer	-2	kVar	0~32767
1485	41486	36	Integer	-2	kVar	0~32767
1486	41487	37	Integer	-2	kVar	0~32767
1487	41488	38	Integer	-2	kVar	0~32767
1488	41489	39	Integer	-2	kVar	0~32767
1489	41490	40	Integer	-2	kVar	0~32767
1490	41491	41	Integer	-2	kVar	0~32767
1491	41492	42	Integer	-2	kVar	0~32767
1492	41493	43	Integer	-2	kVar	0~32767
1493	41494	44	Integer	-2	kVar	0~32767
1494	41495	45	Integer	-2	kVar	0~32767
1495	41496	46	Integer	-2	kVar	0~32767
1496	41497	47	Integer	-2	kVar	0~32767
1497	41498	48	Integer	-2	kVar	0~32767
1498	41499	49	Integer	-2	kVar	0~32767
1499	41500	50	Integer	-2	kVar	0~32767
1500	41501	51	Integer	-2	kVar	0~32767
1501	41502	52	Integer	-2	kVar	0~32767
1502	41503	53	Integer	-2	kVar	0~32767
1503	41504	54	Integer	-2	kVar	0~32767
1504	41505	55	Integer	-2	kVar	0~32767
1505	41506	56	Integer	-2	kVar	0~32767
1506	41507	57	Integer	-2	kVar	0~32767
1507	41508	58	Integer	-2	kVar	0~32767
1508	41509	59	Integer	-2	kVar	0~32767
1509	41510	60	Integer	-2	kVar	0~32767
1510	41511	61	Integer	-2	kVar	0~32767
1511	41512	62	Integer	-2	kVar	0~32767
1512	41513	63	Integer	-2	kVar	0~32767
1513	41514	64	Integer	-2	kVar	0~32767
1514	41515	65	Integer	-2	kVar	0~32767
1515	41516	66	Integer	-2	kVar	0~32767
1516	41517	67	Integer	-2	kVar	0~32767
1517	41518	68	Integer	-2	kVar	0~32767
1518	41519	69	Integer	-2	kVar	0~32767
1519	41520	70	Integer	-2	kVar	0~32767
1520	41521	71	Integer	-2	kVar	0~32767
1521	41522	72	Integer	-2	kVar	0~32767
1522	41523	73	Integer	-2	kVar	0~32767
1523	41524	74	Integer	-2	kVar	0~32767
1524	41525	75	Integer	-2	kVar	0~32767
1525	41526	76	Integer	-2	kVar	0~32767
1526	41527	77	Integer	-2	kVar	0~32767
1527	41528	78	Integer	-2	kVar	0~32767
1528	41529	79	Integer	-2	kVar	0~32767
1529	41530	80	Integer	-2	kVar	0~32767
1530	41531	81	Integer	-2	kVar	0~32767

1531	41532	82	Integer	-2	kVar	0~32767
1532	41533	83	Integer	-2	kVar	0~32767
1533	41534	84	Integer	-2	kVar	0~32767
1534	41535	85	Integer	-2	kVar	0~32767
1535	41536	86	Integer	-2	kVar	0~32767
1536	41537	87	Integer	-2	kVar	0~32767
1537	41538	88	Integer	-2	kVar	0~32767
1538	41539	89	Integer	-2	kVar	0~32767
1539	41540	90	Integer	-2	kVar	0~32767
1540	41541	91	Integer	-2	kVar	0~32767
1541	41542	92	Integer	-2	kVar	0~32767
1542	41543	93	Integer	-2	kVar	0~32767
1543	41544	94	Integer	-2	kVar	0~32767
1544	41545	95	Integer	-2	kVar	0~32767
1545	41546	96	Integer	-2	kVar	0~32767
1546	41547	97	Integer	-2	kVar	0~32767
1547	41548	98	Integer	-2	kVar	0~32767
1548	41549	99	Integer	-2	kVar	0~32767
1549	41550	100	Integer	-2	kVar	0~32767
1550	41551	101	Integer	-2	kVar	0~32767
1551	41552	102	Integer	-2	kVar	0~32767
1552	41553	103	Integer	-2	kVar	0~32767
1553	41554	104	Integer	-2	kVar	0~32767
1554	41555	105	Integer	-2	kVar	0~32767
1555	41556	106	Integer	-2	kVar	0~32767
1556	41557	107	Integer	-2	kVar	0~32767
1557	41558	108	Integer	-2	kVar	0~32767
1558	41559	109	Integer	-2	kVar	0~32767
1559	41560	110	Integer	-2	kVar	0~32767
1560	41561	111	Integer	-2	kVar	0~32767
1561	41562	112	Integer	-2	kVar	0~32767
1562	41563	113	Integer	-2	kVar	0~32767
1563	41564	114	Integer	-2	kVar	0~32767
1564	41565	115	Integer	-2	kVar	0~32767
1565	41566	116	Integer	-2	kVar	0~32767
1566	41567	117	Integer	-2	kVar	0~32767
1567	41568	118	Integer	-2	kVar	0~32767
1568	41569	119	Integer	-2	kVar	0~32767
1569	41570	120	Integer	-2	kVar	0~32767
1570	41571	121	Integer	-2	kVar	0~32767
1571	41572	122	Integer	-2	kVar	0~32767
1572	41573	123	Integer	-2	kVar	0~32767
1573	41574	124	Integer	-2	kVar	0~32767
1574	41575	125	Integer	-2	kVar	0~32767
1575	41576	126	Integer	-2	kVar	0~32767

[1600] Power Factor

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale	Notes
1600	41601	1	Integer	-3	0~1000(0~1)
1601	41602	2	Integer	-3	0~1000
1602	41603	3	Integer	-3	0~1000
1603	41604	4	Integer	-3	0~1000
1604	41605	5	Integer	-3	0~1000
1605	41606	6	Integer	-3	0~1000
1606	41607	7	Integer	-3	0~1000

1607	41608	8	Integer	-3	0~1000
1608	41609	9	Integer	-3	0~1000
1609	41610	10	Integer	-3	0~1000
1610	41611	11	Integer	-3	0~1000
1611	41612	12	Integer	-3	0~1000
1612	41613	13	Integer	-3	0~1000
1613	41614	14	Integer	-3	0~1000
1614	41615	15	Integer	-3	0~1000
1615	41616	16	Integer	-3	0~1000
1616	41617	17	Integer	-3	0~1000
1617	41618	18	Integer	-3	0~1000
1618	41619	19	Integer	-3	0~1000
1619	41620	20	Integer	-3	0~1000
1620	41621	21	Integer	-3	0~1000
1621	41622	22	Integer	-3	0~1000
1622	41623	23	Integer	-3	0~1000
1623	41624	24	Integer	-3	0~1000
1624	41625	25	Integer	-3	0~1000
1625	41626	26	Integer	-3	0~1000
1626	41627	27	Integer	-3	0~1000
1627	41628	28	Integer	-3	0~1000
1628	41629	29	Integer	-3	0~1000
1629	41630	30	Integer	-3	0~1000
1630	41631	31	Integer	-3	0~1000
1631	41632	32	Integer	-3	0~1000
1632	41633	33	Integer	-3	0~1000
1633	41634	34	Integer	-3	0~1000
1634	41635	35	Integer	-3	0~1000
1635	41636	36	Integer	-3	0~1000
1636	41637	37	Integer	-3	0~1000
1637	41638	38	Integer	-3	0~1000
1638	41639	39	Integer	-3	0~1000
1639	41640	40	Integer	-3	0~1000
1640	41641	41	Integer	-3	0~1000
1641	41642	42	Integer	-3	0~1000
1642	41643	43	Integer	-3	0~1000
1643	41644	44	Integer	-3	0~1000
1644	41645	45	Integer	-3	0~1000
1645	41646	46	Integer	-3	0~1000
1646	41647	47	Integer	-3	0~1000
1647	41648	48	Integer	-3	0~1000
1648	41649	49	Integer	-3	0~1000
1649	41650	50	Integer	-3	0~1000
1650	41651	51	Integer	-3	0~1000
1651	41652	52	Integer	-3	0~1000
1652	41653	53	Integer	-3	0~1000
1653	41654	54	Integer	-3	0~1000
1654	41655	55	Integer	-3	0~1000
1655	41656	56	Integer	-3	0~1000
1656	41657	57	Integer	-3	0~1000
1657	41658	58	Integer	-3	0~1000
1658	41659	59	Integer	-3	0~1000
1659	41660	60	Integer	-3	0~1000
1660	41661	61	Integer	-3	0~1000
1661	41662	62	Integer	-3	0~1000
1662	41663	63	Integer	-3	0~1000
1663	41664	64	Integer	-3	0~1000

1664	41665	65	Integer	-3	0~1000
1665	41666	66	Integer	-3	0~1000
1666	41667	67	Integer	-3	0~1000
1667	41668	68	Integer	-3	0~1000
1668	41669	69	Integer	-3	0~1000
1669	41670	70	Integer	-3	0~1000
1670	41671	71	Integer	-3	0~1000
1671	41672	72	Integer	-3	0~1000
1672	41673	73	Integer	-3	0~1000
1673	41674	74	Integer	-3	0~1000
1674	41675	75	Integer	-3	0~1000
1675	41676	76	Integer	-3	0~1000
1676	41677	77	Integer	-3	0~1000
1677	41678	78	Integer	-3	0~1000
1678	41679	79	Integer	-3	0~1000
1679	41680	80	Integer	-3	0~1000
1680	41681	81	Integer	-3	0~1000
1681	41682	82	Integer	-3	0~1000
1682	41683	83	Integer	-3	0~1000
1683	41684	84	Integer	-3	0~1000
1684	41685	85	Integer	-3	0~1000
1685	41686	86	Integer	-3	0~1000
1686	41687	87	Integer	-3	0~1000
1687	41688	88	Integer	-3	0~1000
1688	41689	89	Integer	-3	0~1000
1689	41690	90	Integer	-3	0~1000
1690	41691	91	Integer	-3	0~1000
1691	41692	92	Integer	-3	0~1000
1692	41693	93	Integer	-3	0~1000
1693	41694	94	Integer	-3	0~1000
1694	41695	95	Integer	-3	0~1000
1695	41696	96	Integer	-3	0~1000
1696	41697	97	Integer	-3	0~1000
1697	41698	98	Integer	-3	0~1000
1698	41699	99	Integer	-3	0~1000
1699	41700	100	Integer	-3	0~1000
1700	41701	101	Integer	-3	0~1000
1701	41702	102	Integer	-3	0~1000
1702	41703	103	Integer	-3	0~1000
1703	41704	104	Integer	-3	0~1000
1704	41705	105	Integer	-3	0~1000
1705	41706	106	Integer	-3	0~1000
1706	41707	107	Integer	-3	0~1000
1707	41708	108	Integer	-3	0~1000
1708	41709	109	Integer	-3	0~1000
1709	41710	110	Integer	-3	0~1000
1710	41711	111	Integer	-3	0~1000
1711	41712	112	Integer	-3	0~1000
1712	41713	113	Integer	-3	0~1000
1713	41714	114	Integer	-3	0~1000
1714	41715	115	Integer	-3	0~1000
1715	41716	116	Integer	-3	0~1000
1716	41717	117	Integer	-3	0~1000
1717	41718	118	Integer	-3	0~1000
1718	41719	119	Integer	-3	0~1000
1719	41720	120	Integer	-3	0~1000
1720	41721	121	Integer	-3	0~1000

1721	41722	122	Integer	-3		0~1000
1722	41723	123	Integer	-3		0~1000
1723	41724	124	Integer	-3		0~1000
1724	41725	125	Integer	-3		0~1000
1725	41726	126	Integer	-3		0~1000

[1750] Energy

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale Reg.	Unit	Notes
1750	41751	1	Integer	2002	kWH	kWH(MSW)(0~65535)
1751	41752	1	Integer		kWH	kWH(LSW)(0~65535)
1752	41753	2	Integer	2003	kWH	kWH(MSW)(0~65535)
1753	41754	2	Integer		kWH	kWH(LSW)(0~65535)
1754	41755	3	Integer	2004	kWH	kWH(MSW)(0~65535)
1755	41756	3	Integer		kWH	kWH(LSW)(0~65535)
1756	41757	4	Integer	2005	kWH	kWH(MSW)(0~65535)
1757	41758	4	Integer		kWH	kWH(LSW)(0~65535)
1758	41759	5	Integer	2006	kWH	kWH(MSW)(0~65535)
1759	41760	5	Integer		kWH	kWH(LSW)(0~65535)
1760	41761	6	Integer	2007	kWH	kWH(MSW)(0~65535)
1761	41762	6	Integer		kWH	kWH(LSW)(0~65535)
1762	41763	7	Integer	2008	kWH	kWH(MSW)(0~65535)
1763	41764	7	Integer		kWH	kWH(LSW)(0~65535)
1764	41765	8	Integer	2009	kWH	kWH(MSW)(0~65535)
1765	41766	8	Integer		kWH	kWH(LSW)(0~65535)
1766	41767	9	Integer	2010	kWH	kWH(MSW)(0~65535)
1767	41768	9	Integer		kWH	kWH(LSW)(0~65535)
1768	41769	10	Integer	2011	kWH	kWH(MSW)(0~65535)
1769	41770	10	Integer		kWH	kWH(LSW)(0~65535)
1770	41771	11	Integer	2012	kWH	kWH(MSW)(0~65535)
1771	41772	11	Integer		kWH	kWH(LSW)(0~65535)
1772	41773	12	Integer	2013	kWH	kWH(MSW)(0~65535)
1773	41774	12	Integer		kWH	kWH(LSW)(0~65535)
1774	41775	13	Integer	2014	kWH	kWH(MSW)(0~65535)
1775	41776	13	Integer		kWH	kWH(LSW)(0~65535)
1776	41777	14	Integer	2015	kWH	kWH(MSW)(0~65535)
1777	41778	14	Integer		kWH	kWH(LSW)(0~65535)
1778	41779	15	Integer	2016	kWH	kWH(MSW)(0~65535)
1779	41780	15	Integer		kWH	kWH(LSW)(0~65535)
1780	41781	16	Integer	2017	kWH	kWH(MSW)(0~65535)
1781	41782	16	Integer		kWH	kWH(LSW)(0~65535)
1782	41783	17	Integer	2018	kWH	kWH(MSW)(0~65535)
1783	41784	17	Integer		kWH	kWH(LSW)(0~65535)
1784	41785	18	Integer	2019	kWH	kWH(MSW)(0~65535)
1785	41786	18	Integer		kWH	kWH(LSW)(0~65535)
1786	41787	19	Integer	2020	kWH	kWH(MSW)(0~65535)
1787	41788	19	Integer		kWH	kWH(LSW)(0~65535)
1788	41789	20	Integer	2021	kWH	kWH(MSW)(0~65535)
1789	41790	20	Integer		kWH	kWH(LSW)(0~65535)
1790	41791	21	Integer	2022	kWH	kWH(MSW)(0~65535)
1791	41792	21	Integer		kWH	kWH(LSW)(0~65535)
1792	41793	22	Integer	2023	kWH	kWH(MSW)(0~65535)
1793	41794	22	Integer		kWH	kWH(LSW)(0~65535)
1794	41795	23	Integer	2024	kWH	kWH(MSW)(0~65535)

1795	41796	23	Integer		kWH	kWH(LSW)(0~65535)
1796	41797	24	Integer	2025	kWH	kWH(MSW)(0~65535)
1797	41798	24	Integer		kWH	kWH(LSW)(0~65535)
1798	41799	25	Integer	2026	kWH	kWH(MSW)(0~65535)
1799	41800	25	Integer		kWH	kWH(LSW)(0~65535)
1800	41801	26	Integer	2027	kWH	kWH(MSW)(0~65535)
1801	41802	26	Integer		kWH	kWH(LSW)(0~65535)
1802	41803	27	Integer	2028	kWH	kWH(MSW)(0~65535)
1803	41804	27	Integer		kWH	kWH(LSW)(0~65535)
1804	41805	28	Integer	2029	kWH	kWH(MSW)(0~65535)
1805	41806	28	Integer		kWH	kWH(LSW)(0~65535)
1806	41807	29	Integer	2030	kWH	kWH(MSW)(0~65535)
1807	41808	29	Integer		kWH	kWH(LSW)(0~65535)
1808	41809	30	Integer	2031	kWH	kWH(MSW)(0~65535)
1809	41810	30	Integer		kWH	kWH(LSW)(0~65535)
1810	41811	31	Integer	2032	kWH	kWH(MSW)(0~65535)
1811	41812	31	Integer		kWH	kWH(LSW)(0~65535)
1812	41813	32	Integer	2033	kWH	kWH(MSW)(0~65535)
1813	41814	32	Integer		kWH	kWH(LSW)(0~65535)
1814	41815	33	Integer	2034	kWH	kWH(MSW)(0~65535)
1815	41816	33	Integer		kWH	kWH(LSW)(0~65535)
1816	41817	34	Integer	2035	kWH	kWH(MSW)(0~65535)
1817	41818	34	Integer		kWH	kWH(LSW)(0~65535)
1818	41819	35	Integer	2036	kWH	kWH(MSW)(0~65535)
1819	41820	35	Integer		kWH	kWH(LSW)(0~65535)
1820	41821	36	Integer	2037	kWH	kWH(MSW)(0~65535)
1821	41822	36	Integer		kWH	kWH(LSW)(0~65535)
1822	41823	37	Integer	2038	kWH	kWH(MSW)(0~65535)
1823	41824	37	Integer		kWH	kWH(LSW)(0~65535)
1824	41825	38	Integer	2039	kWH	kWH(MSW)(0~65535)
1825	41826	38	Integer		kWH	kWH(LSW)(0~65535)
1826	41827	39	Integer	2040	kWH	kWH(MSW)(0~65535)
1827	41828	39	Integer		kWH	kWH(LSW)(0~65535)
1828	41829	40	Integer	2041	kWH	kWH(MSW)(0~65535)
1829	41830	40	Integer		kWH	kWH(LSW)(0~65535)
1830	41831	41	Integer	2042	kWH	kWH(MSW)(0~65535)
1831	41832	41	Integer		kWH	kWH(LSW)(0~65535)
1832	41833	42	Integer	2043	kWH	kWH(MSW)(0~65535)
1833	41834	42	Integer		kWH	kWH(LSW)(0~65535)
1834	41835	43	Integer	2044	kWH	kWH(MSW)(0~65535)
1835	41836	43	Integer		kWH	kWH(LSW)(0~65535)
1836	41837	44	Integer	2045	kWH	kWH(MSW)(0~65535)
1837	41838	44	Integer		kWH	kWH(LSW)(0~65535)
1838	41839	45	Integer	2046	kWH	kWH(MSW)(0~65535)
1839	41840	45	Integer		kWH	kWH(LSW)(0~65535)
1840	41841	46	Integer	2047	kWH	kWH(MSW)(0~65535)
1841	41842	46	Integer		kWH	kWH(LSW)(0~65535)
1842	41843	47	Integer	2048	kWH	kWH(MSW)(0~65535)
1843	41844	47	Integer		kWH	kWH(LSW)(0~65535)
1844	41845	48	Integer	2049	kWH	kWH(MSW)(0~65535)
1845	41846	48	Integer		kWH	kWH(LSW)(0~65535)
1846	41847	49	Integer	2050	kWH	kWH(MSW)(0~65535)
1847	41848	49	Integer		kWH	kWH(LSW)(0~65535)
1848	41849	50	Integer	2051	kWH	kWH(MSW)(0~65535)
1849	41850	50	Integer		kWH	kWH(LSW)(0~65535)
1850	41851	51	Integer	2052	kWH	kWH(MSW)(0~65535)
1851	41852	51	Integer		kWH	kWH(LSW)(0~65535)

1852	41853	52	Integer	2053	kWH	kWH(MSW)(0~65535)
1853	41854	52	Integer		kWH	kWH(LSW)(0~65535)
1854	41855	53	Integer	2054	kWH	kWH(MSW)(0~65535)
1855	41856	53	Integer		kWH	kWH(LSW)(0~65535)
1856	41857	54	Integer	2055	kWH	kWH(MSW)(0~65535)
1857	41858	54	Integer		kWH	kWH(LSW)(0~65535)
1858	41859	55	Integer	2056	kWH	kWH(MSW)(0~65535)
1859	41860	55	Integer		kWH	kWH(LSW)(0~65535)
1860	41861	56	Integer	2057	kWH	kWH(MSW)(0~65535)
1861	41862	56	Integer		kWH	kWH(LSW)(0~65535)
1862	41863	57	Integer	2058	kWH	kWH(MSW)(0~65535)
1863	41864	57	Integer		kWH	kWH(LSW)(0~65535)
1864	41865	58	Integer	2059	kWH	kWH(MSW)(0~65535)
1865	41866	58	Integer		kWH	kWH(LSW)(0~65535)
1866	41867	59	Integer	2060	kWH	kWH(MSW)(0~65535)
1867	41868	59	Integer		kWH	kWH(LSW)(0~65535)
1868	41869	60	Integer	2061	kWH	kWH(MSW)(0~65535)
1869	41870	60	Integer		kWH	kWH(LSW)(0~65535)
1870	41871	61	Integer	2062	kWH	kWH(MSW)(0~65535)
1871	41872	61	Integer		kWH	kWH(LSW)(0~65535)
1872	41873	62	Integer	2063	kWH	kWH(MSW)(0~65535)
1873	41874	62	Integer		kWH	kWH(LSW)(0~65535)
1874	41875	63	Integer	2064	kWH	kWH(MSW)(0~65535)
1875	41876	63	Integer		kWH	kWH(LSW)(0~65535)
1876	41877	64	Integer	2065	kWH	kWH(MSW)(0~65535)
1877	41878	64	Integer		kWH	kWH(LSW)(0~65535)
1878	41879	65	Integer	2066	kWH	kWH(MSW)(0~65535)
1879	41880	65	Integer		kWH	kWH(LSW)(0~65535)
1880	41881	66	Integer	2067	kWH	kWH(MSW)(0~65535)
1881	41882	66	Integer		kWH	kWH(LSW)(0~65535)
1882	41883	67	Integer	2068	kWH	kWH(MSW)(0~65535)
1883	41884	67	Integer		kWH	kWH(LSW)(0~65535)
1884	41885	68	Integer	2069	kWH	kWH(MSW)(0~65535)
1885	41886	68	Integer		kWH	kWH(LSW)(0~65535)
1886	41887	69	Integer	2070	kWH	kWH(MSW)(0~65535)
1887	41888	69	Integer		kWH	kWH(LSW)(0~65535)
1888	41889	70	Integer	2071	kWH	kWH(MSW)(0~65535)
1889	41890	70	Integer		kWH	kWH(LSW)(0~65535)
1890	41891	71	Integer	2072	kWH	kWH(MSW)(0~65535)
1891	41892	71	Integer		kWH	kWH(LSW)(0~65535)
1892	41893	72	Integer	2073	kWH	kWH(MSW)(0~65535)
1893	41894	72	Integer		kWH	kWH(LSW)(0~65535)
1894	41895	73	Integer	2074	kWH	kWH(MSW)(0~65535)
1895	41896	73	Integer		kWH	kWH(LSW)(0~65535)
1896	41897	74	Integer	2075	kWH	kWH(MSW)(0~65535)
1897	41898	74	Integer		kWH	kWH(LSW)(0~65535)
1898	41899	75	Integer	2076	kWH	kWH(MSW)(0~65535)
1899	41900	75	Integer		kWH	kWH(LSW)(0~65535)
1900	41901	76	Integer	2077	kWH	kWH(MSW)(0~65535)
1901	41902	76	Integer		kWH	kWH(LSW)(0~65535)
1902	41903	77	Integer	2078	kWH	kWH(MSW)(0~65535)
1903	41904	77	Integer		kWH	kWH(LSW)(0~65535)
1904	41905	78	Integer	2079	kWH	kWH(MSW)(0~65535)
1905	41906	78	Integer		kWH	kWH(LSW)(0~65535)
1906	41907	79	Integer	2080	kWH	kWH(MSW)(0~65535)
1907	41908	79	Integer		kWH	kWH(LSW)(0~65535)
1908	41909	80	Integer	2081	kWH	kWH(MSW)(0~65535)

1909	41910	80	Integer		kWH	kWH(LSW)(0~65535)
1910	41911	81	Integer	2082	kWH	kWH(MSW)(0~65535)
1911	41912	81	Integer		kWH	kWH(LSW)(0~65535)
1912	41913	82	Integer	2083	kWH	kWH(MSW)(0~65535)
1913	41914	82	Integer		kWH	kWH(LSW)(0~65535)
1914	41915	83	Integer	2084	kWH	kWH(MSW)(0~65535)
1915	41916	83	Integer		kWH	kWH(LSW)(0~65535)
1916	41917	84	Integer	2085	kWH	kWH(MSW)(0~65535)
1917	41918	84	Integer		kWH	kWH(LSW)(0~65535)
1918	41919	85	Integer	2086	kWH	kWH(MSW)(0~65535)
1919	41920	85	Integer		kWH	kWH(LSW)(0~65535)
1920	41921	86	Integer	2087	kWH	kWH(MSW)(0~65535)
1921	41922	86	Integer		kWH	kWH(LSW)(0~65535)
1922	41923	87	Integer	2088	kWH	kWH(MSW)(0~65535)
1923	41924	87	Integer		kWH	kWH(LSW)(0~65535)
1924	41925	88	Integer	2089	kWH	kWH(MSW)(0~65535)
1925	41926	88	Integer		kWH	kWH(LSW)(0~65535)
1926	41927	89	Integer	2090	kWH	kWH(MSW)(0~65535)
1927	41928	89	Integer		kWH	kWH(LSW)(0~65535)
1928	41929	90	Integer	2091	kWH	kWH(MSW)(0~65535)
1929	41930	90	Integer		kWH	kWH(LSW)(0~65535)
1930	41931	91	Integer	2092	kWH	kWH(MSW)(0~65535)
1931	41932	91	Integer		kWH	kWH(LSW)(0~65535)
1932	41933	92	Integer	2093	kWH	kWH(MSW)(0~65535)
1933	41934	92	Integer		kWH	kWH(LSW)(0~65535)
1934	41935	93	Integer	2094	kWH	kWH(MSW)(0~65535)
1935	41936	93	Integer		kWH	kWH(LSW)(0~65535)
1936	41937	94	Integer	2095	kWH	kWH(MSW)(0~65535)
1937	41938	94	Integer		kWH	kWH(LSW)(0~65535)
1938	41939	95	Integer	2096	kWH	kWH(MSW)(0~65535)
1939	41940	95	Integer		kWH	kWH(LSW)(0~65535)
1940	41941	96	Integer	2097	kWH	kWH(MSW)(0~65535)
1941	41942	96	Integer		kWH	kWH(LSW)(0~65535)
1942	41943	97	Integer	2098	kWH	kWH(MSW)(0~65535)
1943	41944	97	Integer		kWH	kWH(LSW)(0~65535)
1944	41945	98	Integer	2099	kWH	kWH(MSW)(0~65535)
1945	41946	98	Integer		kWH	kWH(LSW)(0~65535)
1946	41947	99	Integer	2100	kWH	kWH(MSW)(0~65535)
1947	41948	99	Integer		kWH	kWH(LSW)(0~65535)
1948	41949	100	Integer	2101	kWH	kWH(MSW)(0~65535)
1949	41950	100	Integer		kWH	kWH(LSW)(0~65535)
1950	41951	101	Integer	2102	kWH	kWH(MSW)(0~65535)
1951	41952	101	Integer		kWH	kWH(LSW)(0~65535)
1952	41953	102	Integer	2103	kWH	kWH(MSW)(0~65535)
1953	41954	102	Integer		kWH	kWH(LSW)(0~65535)
1954	41955	103	Integer	2104	kWH	kWH(MSW)(0~65535)
1955	41956	103	Integer		kWH	kWH(LSW)(0~65535)
1956	41957	104	Integer	2105	kWH	kWH(MSW)(0~65535)
1957	41958	104	Integer		kWH	kWH(LSW)(0~65535)
1958	41959	105	Integer	2106	kWH	kWH(MSW)(0~65535)
1959	41960	105	Integer		kWH	kWH(LSW)(0~65535)
1960	41961	106	Integer	2107	kWH	kWH(MSW)(0~65535)
1961	41962	106	Integer		kWH	kWH(LSW)(0~65535)
1962	41963	107	Integer	2108	kWH	kWH(MSW)(0~65535)
1963	41964	107	Integer		kWH	kWH(LSW)(0~65535)
1964	41965	108	Integer	2109	kWH	kWH(MSW)(0~65535)
1965	41966	108	Integer		kWH	kWH(LSW)(0~65535)

1966	41967	109	Integer	2110	kWH	kWH(MSW)(0~65535)
1967	41968	109	Integer		kWH	kWH(LSW)(0~65535)
1968	41969	110	Integer	2111	kWH	kWH(MSW)(0~65535)
1969	41970	110	Integer		kWH	kWH(LSW)(0~65535)
1970	41971	111	Integer	2112	kWH	kWH(MSW)(0~65535)
1971	41972	111	Integer		kWH	kWH(LSW)(0~65535)
1972	41973	112	Integer	2113	kWH	kWH(MSW)(0~65535)
1973	41974	112	Integer		kWH	kWH(LSW)(0~65535)
1974	41975	113	Integer	2114	kWH	kWH(MSW)(0~65535)
1975	41976	113	Integer		kWH	kWH(LSW)(0~65535)
1976	41977	114	Integer	2115	kWH	kWH(MSW)(0~65535)
1977	41978	114	Integer		kWH	kWH(LSW)(0~65535)
1978	41979	115	Integer	2116	kWH	kWH(MSW)(0~65535)
1979	41980	115	Integer		kWH	kWH(LSW)(0~65535)
1980	41981	116	Integer	2117	kWH	kWH(MSW)(0~65535)
1981	41982	116	Integer		kWH	kWH(LSW)(0~65535)
1982	41983	117	Integer	2118	kWH	kWH(MSW)(0~65535)
1983	41984	117	Integer		kWH	kWH(LSW)(0~65535)
1984	41985	118	Integer	2119	kWH	kWH(MSW)(0~65535)
1985	41985	118	Integer		kWH	kWH(LSW)(0~65535)
1986	41987	119	Integer	2120	kWH	kWH(MSW)(0~65535)
1987	41988	119	Integer		kWH	kWH(LSW)(0~65535)
1988	41989	120	Integer	2121	kWH	kWH(MSW)(0~65535)
1989	41990	120	Integer		kWH	kWH(LSW)(0~65535)
1990	41991	121	Integer	2122	kWH	kWH(MSW)(0~65535)
1991	41992	121	Integer		kWH	kWH(LSW)(0~65535)
1992	41993	122	Integer	2123	kWH	kWH(MSW)(0~65535)
1993	41994	122	Integer		kWH	kWH(LSW)(0~65535)
1994	41995	123	Integer	2124	kWH	kWH(MSW)(0~65535)
1995	41996	123	Integer		kWH	kWH(LSW)(0~65535)
1996	41997	124	Integer	2125	kWH	kWH(MSW)(0~65535)
1997	41998	124	Integer		kWH	kWH(LSW)(0~65535)
1998	41999	125	Integer	2126	kWH	kWH(MSW)(0~65535)
1999	42000	125	Integer		kWH	kWH(LSW)(0~65535)
2000	42001	126	Integer	2127	kWH	kWH(MSW)(0~65535)
2001	42002	126	Integer		kWH	kWH(LSW)(0~65535)

NOTE: Formula for Energy of branch

kWH=(M*65536+L)*10^(e)

M=kWH(MSW)(0~65535); L=kWH(LSW)(0~65535);e= Energy Scale;

Example: Take branch No. 126 for example, if the values of the register are as belows: 2000(1),2001(61234),2127(-4), then

 Energy of branch No.126 kWH=(M*65536+L)*10^(e)=(1*65536+61234)*0.0001=19.2306kWH

[2002] Energy Scale

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale	Notes
2002	42003	1	Integer	/	Energy Scale
2003	42004	2	Integer	/	Energy Scale

2004	42005	3	Integer	/	Energy Scale
2005	42006	4	Integer	/	Energy Scale
2006	42007	5	Integer	/	Energy Scale
2007	42008	6	Integer	/	Energy Scale
2008	42009	7	Integer	/	Energy Scale
2009	42010	8	Integer	/	Energy Scale
2010	42011	9	Integer	/	Energy Scale
2011	42012	10	Integer	/	Energy Scale
2012	42013	11	Integer	/	Energy Scale
2013	42014	12	Integer	/	Energy Scale
2014	42015	13	Integer	/	Energy Scale
2015	42016	14	Integer	/	Energy Scale
2016	42017	15	Integer	/	Energy Scale
2017	42018	16	Integer	/	Energy Scale
2018	42019	17	Integer	/	Energy Scale
2019	42020	18	Integer	/	Energy Scale
2020	42021	19	Integer	/	Energy Scale
2021	42022	20	Integer	/	Energy Scale
2022	42023	21	Integer	/	Energy Scale
2023	42024	22	Integer	/	Energy Scale
2024	42025	23	Integer	/	Energy Scale
2025	42026	24	Integer	/	Energy Scale
2026	42027	25	Integer	/	Energy Scale
2027	42028	26	Integer	/	Energy Scale
2028	42029	27	Integer	/	Energy Scale
2028	42030	28	Integer	/	Energy Scale
2030	42031	29	Integer	/	Energy Scale
2031	42032	30	Integer	/	Energy Scale
2032	42033	31	Integer	/	Energy Scale
2033	42034	32	Integer	/	Energy Scale
2034	42035	33	Integer	/	Energy Scale
2035	42036	34	Integer	/	Energy Scale
2036	42037	35	Integer	/	Energy Scale
2037	42038	36	Integer	/	Energy Scale
2038	42039	37	Integer	/	Energy Scale
2039	42040	38	Integer	/	Energy Scale
2040	42041	39	Integer	/	Energy Scale
2041	42042	40	Integer	/	Energy Scale
2042	42043	41	Integer	/	Energy Scale
2043	42044	42	Integer	/	Energy Scale
2044	42045	43	Integer	/	Energy Scale
2045	42046	44	Integer	/	Energy Scale
2046	42047	45	Integer	/	Energy Scale
2047	42048	46	Integer	/	Energy Scale
2048	42049	47	Integer	/	Energy Scale
2049	42050	48	Integer	/	Energy Scale
2050	42051	49	Integer	/	Energy Scale
2051	42052	50	Integer	/	Energy Scale
2052	42053	51	Integer	/	Energy Scale
2053	42054	52	Integer	/	Energy Scale
2054	42055	53	Integer	/	Energy Scale
2055	42056	54	Integer	/	Energy Scale
2056	42057	55	Integer	/	Energy Scale
2057	42058	56	Integer	/	Energy Scale
2058	42059	57	Integer	/	Energy Scale
2059	42060	58	Integer	/	Energy Scale
2060	42061	59	Integer	/	Energy Scale

2061	42062	60	Integer	/	Energy Scale
2062	42063	61	Integer	/	Energy Scale
2063	42064	62	Integer	/	Energy Scale
2064	42065	63	Integer	/	Energy Scale
2065	42066	64	Integer	/	Energy Scale
2066	42067	65	Integer	/	Energy Scale
2067	42068	66	Integer	/	Energy Scale
2068	42069	67	Integer	/	Energy Scale
2069	42070	68	Integer	/	Energy Scale
2070	42071	69	Integer	/	Energy Scale
2071	42072	70	Integer	/	Energy Scale
2072	42073	71	Integer	/	Energy Scale
2073	42074	72	Integer	/	Energy Scale
2074	42075	73	Integer	/	Energy Scale
2075	42076	74	Integer	/	Energy Scale
2076	42077	75	Integer	/	Energy Scale
2077	42078	76	Integer	/	Energy Scale
2078	42079	77	Integer	/	Energy Scale
2079	42080	78	Integer	/	Energy Scale
2080	42081	79	Integer	/	Energy Scale
2081	42082	80	Integer	/	Energy Scale
2082	42083	81	Integer	/	Energy Scale
2083	42084	82	Integer	/	Energy Scale
2084	42085	83	Integer	/	Energy Scale
2085	42086	84	Integer	/	Energy Scale
2086	42087	85	Integer	/	Energy Scale
2087	42088	86	Integer	/	Energy Scale
2088	42089	87	Integer	/	Energy Scale
2089	42090	88	Integer	/	Energy Scale
2090	42091	89	Integer	/	Energy Scale
2091	42092	90	Integer	/	Energy Scale
2092	42093	91	Integer	/	Energy Scale
2093	42094	92	Integer	/	Energy Scale
2094	42095	93	Integer	/	Energy Scale
2095	42096	94	Integer	/	Energy Scale
2096	42097	95	Integer	/	Energy Scale
2097	42098	96	Integer	/	Energy Scale
2098	42099	97	Integer	/	Energy Scale
2099	42100	98	Integer	/	Energy Scale
2100	42101	99	Integer	/	Energy Scale
2101	42102	100	Integer	/	Energy Scale
2102	42103	101	Integer	/	Energy Scale
2103	42104	102	Integer	/	Energy Scale
2104	42105	103	Integer	/	Energy Scale
2105	42106	104	Integer	/	Energy Scale
2106	42107	105	Integer	/	Energy Scale
2107	42108	106	Integer	/	Energy Scale
2108	42109	107	Integer	/	Energy Scale
2109	42110	108	Integer	/	Energy Scale
2110	42111	109	Integer	/	Energy Scale
2111	42112	110	Integer	/	Energy Scale
2112	42113	111	Integer	/	Energy Scale
2113	42114	112	Integer	/	Energy Scale
2114	42115	113	Integer	/	Energy Scale
2115	42116	114	Integer	/	Energy Scale
2116	42117	115	Integer	/	Energy Scale
2117	42118	116	Integer	/	Energy Scale

2118	42119	117	Integer	/		Energy Scale
2119	42120	118	Integer	/		Energy Scale
2120	42121	119	Integer	/		Energy Scale
2121	42122	120	Integer	/		Energy Scale
2122	42123	121	Integer	/		Energy Scale
2123	42124	122	Integer	/		Energy Scale
2124	42125	123	Integer	/		Energy Scale
2125	42126	124	Integer	/		Energy Scale
2126	42127	125	Integer	/		Energy Scale
2127	42128	126	Integer	/		Energy Scale

[2150] Rated Current

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Scale	Unit	Notes
2150	42151	1	Integer	0	A	0-100
2151	42152	2	Integer	0	A	0-100
2152	42153	3	Integer	0	A	0-100
2153	42154	4	Integer	0	A	0-100
2154	42155	5	Integer	0	A	0-100
2155	42156	6	Integer	0	A	0-100
2156	42157	7	Integer	0	A	0-100
2157	42158	8	Integer	0	A	0-100
2158	42159	9	Integer	0	A	0-100
2159	42160	10	Integer	0	A	0-100
2160	42161	11	Integer	0	A	0-100
2161	42162	12	Integer	0	A	0-100
2162	42163	13	Integer	0	A	0-100
2163	42164	14	Integer	0	A	0-100
2164	42165	15	Integer	0	A	0-100
2165	42166	16	Integer	0	A	0-100
2166	42167	17	Integer	0	A	0-100
2167	42168	18	Integer	0	A	0-100
2168	42169	19	Integer	0	A	0-100
2169	42170	20	Integer	0	A	0-100
2170	42171	21	Integer	0	A	0-100
2171	42172	22	Integer	0	A	0-100
2172	42173	23	Integer	0	A	0-100
2173	42174	24	Integer	0	A	0-100
2174	42175	25	Integer	0	A	0-100
2175	42176	26	Integer	0	A	0-100
2176	42177	27	Integer	0	A	0-100
2177	42178	28	Integer	0	A	0-100
2178	42179	29	Integer	0	A	0-100
2179	42180	30	Integer	0	A	0-100
2180	42181	31	Integer	0	A	0-100
2181	42182	32	Integer	0	A	0-100
2182	42183	33	Integer	0	A	0-100
2183	42184	34	Integer	0	A	0-100
2184	42185	35	Integer	0	A	0-100
2185	42186	36	Integer	0	A	0-100
2186	42187	37	Integer	0	A	0-100
2187	42188	38	Integer	0	A	0-100
2188	42189	39	Integer	0	A	0-100
2189	42190	40	Integer	0	A	0-100
2190	42191	41	Integer	0	A	0-100
2191	42192	42	Integer	0	A	0-100

2192	42193	43	Integer	0	A	0-100
2193	42194	44	Integer	0	A	0-100
2194	42195	45	Integer	0	A	0-100
2195	42196	46	Integer	0	A	0-100
2196	42197	47	Integer	0	A	0-100
2197	42198	48	Integer	0	A	0-100
2198	42199	49	Integer	0	A	0-100
2199	42200	50	Integer	0	A	0-100
2200	42201	51	Integer	0	A	0-100
2201	42202	52	Integer	0	A	0-100
2202	42203	53	Integer	0	A	0-100
2203	42204	54	Integer	0	A	0-100
2204	42205	55	Integer	0	A	0-100
2205	42206	56	Integer	0	A	0-100
2206	42207	57	Integer	0	A	0-100
2207	42208	58	Integer	0	A	0-100
2208	42298	59	Integer	0	A	0-100
2209	42210	60	Integer	0	A	0-100
2210	42211	61	Integer	0	A	0-100
2211	42212	62	Integer	0	A	0-100
2212	42213	63	Integer	0	A	0-100
2213	42214	64	Integer	0	A	0-100
2214	42215	65	Integer	0	A	0-100
2215	42216	66	Integer	0	A	0-100
2216	42217	67	Integer	0	A	0-100
2217	42218	68	Integer	0	A	0-100
2218	42219	69	Integer	0	A	0-100
2219	42220	70	Integer	0	A	0-100
2220	42221	71	Integer	0	A	0-100
2221	42222	72	Integer	0	A	0-100
2222	42223	73	Integer	0	A	0-100
2223	42224	74	Integer	0	A	0-100
2224	42225	75	Integer	0	A	0-100
2225	42226	76	Integer	0	A	0-100
2226	42227	77	Integer	0	A	0-100
2227	42228	78	Integer	0	A	0-100
2228	42229	79	Integer	0	A	0-100
2229	42230	80	Integer	0	A	0-100
2230	42231	81	Integer	0	A	0-100
2231	42232	82	Integer	0	A	0-100
2232	42233	83	Integer	0	A	0-100
2233	42234	84	Integer	0	A	0-100
2234	42235	85	Integer	0	A	0-100
2235	42236	86	Integer	0	A	0-100
2236	42237	87	Integer	0	A	0-100
2237	42238	88	Integer	0	A	0-100
2238	42239	89	Integer	0	A	0-100
2239	42240	90	Integer	0	A	0-100
2240	42241	91	Integer	0	A	0-100
2241	42242	92	Integer	0	A	0-100
2242	42243	93	Integer	0	A	0-100
2243	42244	94	Integer	0	A	0-100
2244	42245	95	Integer	0	A	0-100
2245	42246	96	Integer	0	A	0-100
2246	42247	97	Integer	0	A	0-100
2247	42248	98	Integer	0	A	0-100
2248	42249	99	Integer	0	A	0-100

2249	42250	100	Integer	0	A	0-100
2250	42251	101	Integer	0	A	0-100
2251	42252	102	Integer	0	A	0-100
2252	42253	103	Integer	0	A	0-100
2253	42254	104	Integer	0	A	0-100
2254	42255	105	Integer	0	A	0-100
2255	42256	106	Integer	0	A	0-100
2256	42257	107	Integer	0	A	0-100
2257	42258	108	Integer	0	A	0-100
2258	42259	109	Integer	0	A	0-100
2259	42260	110	Integer	0	A	0-100
2260	42261	111	Integer	0	A	0-100
2261	42262	112	Integer	0	A	0-100
2262	42263	113	Integer	0	A	0-100
2263	42264	114	Integer	0	A	0-100
2264	42264	115	Integer	0	A	0-100
2265	42266	116	Integer	0	A	0-100
2266	42267	117	Integer	0	A	0-100
2267	42268	118	Integer	0	A	0-100
2268	42269	119	Integer	0	A	0-100
2269	42270	120	Integer	0	A	0-100
2270	42271	121	Integer	0	A	0-100
2271	42272	122	Integer	0	A	0-100
2272	42273	123	Integer	0	A	0-100
2273	42274	124	Integer	0	A	0-100
2274	42275	125	Integer	0	A	0-100
2275	42276	126	Integer	0	A	0-100

[2300] Alarm Status

Reg. IEC61131	Reg. Modbus	Branch Number	Type	Notes
2300	42301	1	Integer	Branch Alarm Status Bit 0: High High Latching Alarm Bit 1: High Latching Alarm Bit 2: Low Latching Alarm Bit 3: Low Low Latching Alarm
2301	42302	2	Integer	Branch Alarm Status
2302	42303	3	Integer	Branch Alarm Status
2303	42304	4	Integer	Branch Alarm Status
2304	42305	5	Integer	Branch Alarm Status
2305	42306	6	Integer	Branch Alarm Status
2306	42307	7	Integer	Branch Alarm Status
2307	42308	8	Integer	Branch Alarm Status
2308	42309	9	Integer	Branch Alarm Status
2309	42310	10	Integer	Branch Alarm Status
2310	42311	11	Integer	Branch Alarm Status
2311	42312	12	Integer	Branch Alarm Status
2312	42313	13	Integer	Branch Alarm Status
2313	42314	14	Integer	Branch Alarm Status
2314	42315	15	Integer	Branch Alarm Status
2315	42316	16	Integer	Branch Alarm Status
2316	42317	17	Integer	Branch Alarm Status
2317	42318	18	Integer	Branch Alarm Status
2318	42319	19	Integer	Branch Alarm Status
2319	42320	20	Integer	Branch Alarm Status
2320	42321	21	Integer	Branch Alarm Status

2321	42322	22	Integer	Branch Alarm Status
2322	42323	23	Integer	Branch Alarm Status
2323	42324	24	Integer	Branch Alarm Status
2324	42325	25	Integer	Branch Alarm Status
2325	42326	26	Integer	Branch Alarm Status
2326	42327	27	Integer	Branch Alarm Status
2327	42328	28	Integer	Branch Alarm Status
2328	42329	29	Integer	Branch Alarm Status
2329	42330	30	Integer	Branch Alarm Status
2330	42331	31	Integer	Branch Alarm Status
2331	42332	32	Integer	Branch Alarm Status
2332	42333	33	Integer	Branch Alarm Status
2333	42334	34	Integer	Branch Alarm Status
2334	42335	35	Integer	Branch Alarm Status
2335	42336	36	Integer	Branch Alarm Status
2336	42337	37	Integer	Branch Alarm Status
2337	42338	38	Integer	Branch Alarm Status
2338	42339	39	Integer	Branch Alarm Status
2339	42340	40	Integer	Branch Alarm Status
2340	42341	41	Integer	Branch Alarm Status
2341	42342	42	Integer	Branch Alarm Status
2342	42343	43	Integer	Branch Alarm Status
2343	42344	44	Integer	Branch Alarm Status
2344	42345	45	Integer	Branch Alarm Status
2345	42346	46	Integer	Branch Alarm Status
2346	42347	47	Integer	Branch Alarm Status
2347	42348	48	Integer	Branch Alarm Status
2348	42349	49	Integer	Branch Alarm Status
2349	42350	50	Integer	Branch Alarm Status
2350	42351	51	Integer	Branch Alarm Status
2351	42352	52	Integer	Branch Alarm Status
2352	42353	53	Integer	Branch Alarm Status
2353	42354	54	Integer	Branch Alarm Status
2354	42355	55	Integer	Branch Alarm Status
2355	42356	56	Integer	Branch Alarm Status
2356	42357	57	Integer	Branch Alarm Status
2357	42358	58	Integer	Branch Alarm Status
2358	42359	59	Integer	Branch Alarm Status
2359	42360	60	Integer	Branch Alarm Status
2360	42361	61	Integer	Branch Alarm Status
2361	42362	62	Integer	Branch Alarm Status
2362	42363	63	Integer	Branch Alarm Status
2363	42364	64	Integer	Branch Alarm Status
2364	42365	65	Integer	Branch Alarm Status
2365	42366	66	Integer	Branch Alarm Status
2366	42367	67	Integer	Branch Alarm Status
2367	42368	68	Integer	Branch Alarm Status
2368	42369	69	Integer	Branch Alarm Status
2369	42370	70	Integer	Branch Alarm Status
2370	42371	71	Integer	Branch Alarm Status
2371	42372	72	Integer	Branch Alarm Status
2372	42373	73	Integer	Branch Alarm Status
2373	42374	74	Integer	Branch Alarm Status
2374	42375	75	Integer	Branch Alarm Status
2375	42376	76	Integer	Branch Alarm Status
2376	42377	77	Integer	Branch Alarm Status
2377	42378	78	Integer	Branch Alarm Status

2378	42379	79	Integer	Branch Alarm Status
2379	42380	80	Integer	Branch Alarm Status
2380	42381	81	Integer	Branch Alarm Status
2381	42382	82	Integer	Branch Alarm Status
2382	42383	83	Integer	Branch Alarm Status
2383	42384	84	Integer	Branch Alarm Status
2384	42385	85	Integer	Branch Alarm Status
2385	42386	86	Integer	Branch Alarm Status
2386	42387	87	Integer	Branch Alarm Status
2387	42388	88	Integer	Branch Alarm Status
2388	42389	89	Integer	Branch Alarm Status
2389	42390	90	Integer	Branch Alarm Status
2390	42391	91	Integer	Branch Alarm Status
2391	42392	92	Integer	Branch Alarm Status
2392	42393	93	Integer	Branch Alarm Status
2393	42394	94	Integer	Branch Alarm Status
2394	42395	95	Integer	Branch Alarm Status
2395	42396	96	Integer	Branch Alarm Status
2396	42397	97	Integer	Branch Alarm Status
2397	42398	98	Integer	Branch Alarm Status
2398	42399	99	Integer	Branch Alarm Status
2399	42400	100	Integer	Branch Alarm Status
2400	42401	101	Integer	Branch Alarm Status
2401	42402	102	Integer	Branch Alarm Status
2402	42403	103	Integer	Branch Alarm Status
2403	42404	104	Integer	Branch Alarm Status
2404	42405	105	Integer	Branch Alarm Status
2405	42406	106	Integer	Branch Alarm Status
2406	42407	107	Integer	Branch Alarm Status
2407	42408	108	Integer	Branch Alarm Status
2408	42409	109	Integer	Branch Alarm Status
2409	42410	110	Integer	Branch Alarm Status
2410	42411	111	Integer	Branch Alarm Status
2411	42412	112	Integer	Branch Alarm Status
2412	42413	113	Integer	Branch Alarm Status
2413	42414	114	Integer	Branch Alarm Status
2414	42415	115	Integer	Branch Alarm Status
2415	42416	116	Integer	Branch Alarm Status
2416	42417	117	Integer	Branch Alarm Status
2417	42418	118	Integer	Branch Alarm Status
2418	42419	119	Integer	Branch Alarm Status
2419	42420	120	Integer	Branch Alarm Status
2420	42421	121	Integer	Branch Alarm Status
2421	42422	122	Integer	Branch Alarm Status
2422	42423	123	Integer	Branch Alarm Status
2423	42424	124	Integer	Branch Alarm Status
2424	42425	125	Integer	Branch Alarm Status
2425	42426	126	Integer	Branch Alarm Status

The End