BlueNet BN3000 - BN7500 / PU2 Modbus TCP protocol V2.01

Bachmann GmbH
Ernsthaldenstraße 33
70565 Stuttgart | Germany

24.10.2018

Register	Variable Name	Resolution	Measurement Point	Comment	Address
1	Type	digit	Device	1: Power Unit, 2: Master, 3: Slave, 4: Power Unit Slave	0000
2	--			Device State	0001
3	Current	0.01 A			0002
4	Peak Current	0.01 A			0003
5	Active Power	W		Only Master/Slave	0004
6	Peak Active Power	W		Only Master/Slave	0005
7	Active Energy High Byte	0.1 kWh			0006
8	Active Energy Low Byte	0.1 kWh			0007
9	Custom Active Energy High	0.1 kWh			0008
10	Custom Active Energy Low E	0.1 kWh			0009
11	Current AC	0.1 mA		Sum of RCM AC values	000A
12	Peak Current AC	0.1 mA		Peak of the above	000B
13	Current DC	0.1 mA		Sum of RCM DC values	000C
14	Peak Current DC	0.1 mA		Peak of the above	000D
15					000E
16	Type	digit	Inlet C1		000F
17	--			Inlet State	0010
18	Current	0.01 A			0011
19	Peak Current	0.01 A			0012
20	Active Power	W			0013
21	Peak Active Power	W			0014
22	Apparent Power	VA		Only Master/Slave	0015
23	Active Energy High Byte	0.1 kWh			0016
24	Active Energy Low Byte	0.1 kWh			0017
25	Custom Active Energy High	0.1 kWh			0018
26	Custom Active Energy Low E	0.1 kWh			0019
27	Neutral Current	0.01 A		Only Master/Slave	001A
28	Peak Neutral Current	0.01 A		Only Master/Slave	001B
29	Delta Voltage 12	0.1 V		Only Master/Slave	001C
30	Delta Voltage 23	0.1 V		Only Master/Slave	001D
31	Delta Voltage 31	0.1 V		Only Master/Slave	001E
32	Current AC	0.1 mA			001F

33 Peak Current AC	0.1 mA			0020
34 Current DC	0.1 mA			0021
35 Peak Current DC	0.1 mA			0022
36				0023
37 Type	digit	Inlet C2		0024
38 --				0025
39 Current	0.01 A			0026
40 Peak Current	0.01 A			0027
41 Active Power	W			0028
42 Peak Active Power	W			0029
43 Apparent Power	VA		Only Master/Slave (undefined)	002A
44 Active Energy High Byte	0.1 kWh			002B
45 Active Energy Low Byte	0.1 kWh			002C
46 Custom Active Energy High	0.1 kWh			002D
47 Custom Active Energy Low	0.1 kWh			002E
48 Neutral Current	0.01 A		Only Master/Slave (undefined)	002F
49 Peak Neutral Current	0.01 A		Only Master/Slave (undefined)	0030
50 Delta Voltage 12	0.1 V		Only Master/Slave (undefined)	0031
51 Delta Voltage 23	0.1 V		Only Master/Slave (undefined)	0032
52 Delta Voltage 31	0.1 V		Only Master/Slave (undefined)	0033
53 Current AC	0.1 mA			0034
54 Peak Current AC	0.1 mA			0035
55 Current DC	0.1 mA			0036
56 Peak Current DC	0.1 mA			0037
57				0038
58 Type	digit	Outlet C11	Only Power Unit Master/Slave, either a real outlet or a measurement group	0039
59 --				003A
60 Current	0.01 A			003B
61 Peak Current	0.01 A			003C
62 Active Power	W			003D
63 Peak Active Power	W			003E
64 Apparent Power	VA			003F
65 Active Energy High Byte	0.1 kWh			0040

66 Active Energy Low Byte	0.1 kWh			0041
67 Custom Active Energy High	0.1 kWh			0042
68 Custom Active Energy Low E	0.1 kWh			0043
69 Neutral Current	0.01 A			0044
70 Peak Neutral Current	0.01 A			0045
71 Delta Voltage 12	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0046
72 Delta Voltage 23	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0047
73 Delta Voltage 31	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0048
74 Current AC	0.1 mA			0049
75 Peak Current AC	0.1 mA			004A
76 Current DC	0.1 mA			004B
77 Peak Current DC	0.1 mA			004C
78				004D
79 Type	digit	Outlet C12	Only Power Unit Master/Slave, either a real outlet or a measurement group	004E
80 --				004F
81 Current	0.01 A			0050
82 Peak Current	0.01 A			0051
83 Active Power	W			0052
84 Peak Active Power	W			0053
85 Apparent Power	VA			0054
86 Active Energy High Byte	0.1 kWh			0055
87 Active Energy Low Byte	0.1 kWh			0056
88 Custom Active Energy High	0.1 kWh			0057
89 Custom Active Energy Low E	0.1 kWh			0058
90 Neutral Current	0.01 A			0059
91 Peak Neutral Current	0.01 A			005A
92 Delta Voltage 12	0.1 V		Only if this is a Power Unit Master/Slave Outlet	005B
93 Delta Voltage 23	0.1 V		Only if this is a Power Unit Master/Slave Outlet	005C
94 Delta Voltage 31	0.1 V		Only if this is a Power Unit Master/Slave Outlet	005D
95 Current AC	0.1 mA			005E
96 Peak Current AC	0.1 mA			005F
97 Current DC	0.1 mA			0060
98 Peak Current DC	0.1 mA			0061

#	Name	Unit	Group	Description	Addr
99					0062
100	Type	digit	Outlet C21	Only Power Unit Master/Slave, either a real outlet or a measurement group	0063
101	--				0064
102	Current	0.01 A			0065
103	Peak Current	0.01 A			0066
104	Active Power	W			0067
105	Peak Active Power	W			0068
106	Apparent Power	VA			0069
107	Active Energy High Byte	0.1 kWh			006A
108	Active Energy Low Byte	0.1 kWh			006B
109	Custom Active Energy High	0.1 kWh			006C
110	Custom Active Energy Low E	0.1 kWh			006D
111	Neutral Current	0.01 A			006E
112	Peak Neutral Current	0.01 A			006F
113	Delta Voltage 12	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0070
114	Delta Voltage 23	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0071
115	Delta Voltage 31	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0072
116	Current AC	0.1 mA			0073
117	Peak Current AC	0.1 mA			0074
118	Current DC	0.1 mA			0075
119	Peak Current DC	0.1 mA			0076
120					0077
121	Type	digit	Outlet C22	Only Power Unit Master/Slave, either a real outlet or a measurement group	0078
122	--				0079
123	Current	0.01 A			007A
124	Peak Current	0.01 A			007B
125	Active Power	W			007C
126	Peak Active Power	W			007D
127	Apparent Power	VA			007E
128	Active Energy High Byte	0.1 kWh			007F
129	Active Energy Low Byte	0.1 kWh			0080
130	Custom Active Energy High	0.1 kWh			0081
131	Custom Active Energy Low E	0.1 kWh			0082

132 Neutral Current	0.01 A			0083
133 Peak Neutral Current	0.01 A			0084
134 Delta Voltage 12	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0085
135 Delta Voltage 23	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0086
136 Delta Voltage 31	0.1 V		Only if this is a Power Unit Master/Slave Outlet	0087
137 Current AC	0.1 mA			0088
138 Peak Current AC	0.1 mA			0089
139 Current DC	0.1 mA			008A
140 Peak Current DC	0.1 mA			008B
141				008C
142 Type		digit Phase C111	PU: First Inlet, first outlet, first phase; PDU: First inlet, first phase	008D
143 --				008E
144 Voltage	0.1 V			008F
145 Current	0.01 A			0090
146 Peak Current	0.01 A			0091
147 Power Factor	0,001		negative values have MSB = 1	0092
148 Active Power	W			0093
149 Peak Active Power	W			0094
150 Apparent Power	VA			0095
151 Active Energy High Byte	0.1 kWh			0096
152 Active Energy Low Byte	0.1 kWh			0097
153 Custom Active Energy High	0.1 kWh			0098
154 Custom Active Energy Low	0.1 kWh			0099
155 Apparent Energy High Byte	0.1 kVAh			009A
156 Apparent Energy Low Byte	0.1 kVAh			009B
157 Frequency	0.1 Hz			009C
158 Current AC	0.1 mA			009D
159 Peak Current AC	0.1 mA			009E
160 Current DC	0.1 mA			009F
161 Peak Current DC	0.1 mA			00A0
162				00A1
163 Type		digit Phase C112	PU: First Inlet, first outlet, second phase; PDU: First inlet, second phase	00A2
164 --				00A3

Reg	Name	Unit	Notes	Addr
165	Voltage	0.1 V		00A4
166	Current	0.01 A		00A5
167	Peak Current	0.01 A		00A6
168	Power Factor	0,001	negative values have MSB = 1	00A7
169	Active Power	W		00A8
170	Peak Active Power	W		00A9
171	Apparent Power	VA		00AA
172	Active Energy High Byte	0.1 kWh		00AB
173	Active Energy Low Byte	0.1 kWh		00AC
174	Custom Active Energy High	0.1 kWh		00AD
175	Custom Active Energy Low E	0.1 kWh		00AE
176	Apparent Energy High Byte	0.1 kVAh		00AF
177	Apparent Energy Low Byte	0.1 kVAh		00B0
178	Frequency	0.1 Hz		00B1
179	Current AC	0.1 mA		00B2
180	Peak Current AC	0.1 mA		00B3
181	Current DC	0.1 mA		00B4
182	Peak Current DC	0.1 mA		00B5
183				00B6
184	Type	digit Phase C113	PU: First Inlet, first outlet, third phase; PDU: First inlet, third phase	00B7
185	--			00B8
186	Voltage	0.1 V		00B9
187	Current	0.01 A		00BA
188	Peak Current	0.01 A		00BB
189	Power Factor	0,001	negative values have MSB = 1	00BC
190	Active Power	W		00BD
191	Peak Active Power	W		00BE
192	Apparent Power	VA		00BF
193	Active Energy High Byte	0.1 kWh		00C0
194	Active Energy Low Byte	0.1 kWh		00C1
195	Custom Active Energy High	0.1 kWh		00C2
196	Custom Active Energy Low E	0.1 kWh		00C3
197	Apparent Energy High Byte	0.1 kVAh		00C4

Reg	Name	Unit		Description	Hex
198	Apparent Energy Low Byte	0.1 kVAh			00C5
199	Frequency	0.1 Hz			00C6
200	Current AC	0.1 mA			00C7
201	Peak Current AC	0.1 mA			00C8
202	Current DC	0.1 mA			00C9
203	Peak Current DC	0.1 mA			00CA
204					00CB
205	Type	digit	Phase C121	PU: First Inlet, second outlet, first phase	00CC
206	--				00CD
207	Voltage	0.1 V			00CE
208	Current	0.01 A			00CF
209	Peak Current	0.01 A			00D0
210	Power Factor	0,001		negative values have MSB = 1	00D1
211	Active Power	W			00D2
212	Peak Active Power	W			00D3
213	Apparent Power	VA			00D4
214	Active Energy High Byte	0.1 kWh			00D5
215	Active Energy Low Byte	0.1 kWh			00D6
216	Custom Active Energy High	0.1 kWh			00D7
217	Custom Active Energy Low E	0.1 kWh			00D8
218	Apparent Energy High Byte	0.1 kVAh			00D9
219	Apparent Energy Low Byte	0.1 kVAh			00DA
220	Frequency	0.1 Hz			00DB
221	Current AC	0.1 mA			00DC
222	Peak Current AC	0.1 mA			00DD
223	Current DC	0.1 mA			00DE
224	Peak Current DC	0.1 mA			00DF
225					00E0
226	Type	digit	Phase C122	PU: First Inlet, second outlet, second phase	00E1
227	--				00E2
228	Voltage	0.1 V			00E3
229	Current	0.01 A			00E4
230	Peak Current	0.01 A			00E5

#	Name	Unit	Description	Address
231	Power Factor	0,001	negative values have MSB = 1	00E6
232	Active Power	W		00E7
233	Peak Active Power	W		00E8
234	Apparent Power	VA		00E9
235	Active Energy High Byte	0.1 kWh		00EA
236	Active Energy Low Byte	0.1 kWh		00EB
237	Custom Active Energy High	0.1 kWh		00EC
238	Custom Active Energy Low	0.1 kWh		00ED
239	Apparent Energy High Byte	0.1 kVAh		00EE
240	Apparent Energy Low Byte	0.1 kVAh		00EF
241	Frequency	0.1 Hz		00F0
242	Current AC	0.1 mA		00F1
243	Peak Current AC	0.1 mA		00F2
244	Current DC	0.1 mA		00F3
245	Peak Current DC	0.1 mA		00F4
246				00F5
247	Type	digit Phase C123	PU: First Inlet, second outlet, third phase	00F6
248	--			00F7
249	Voltage	0.1 V		00F8
250	Current	0.01 A		00F9
251	Peak Current	0.01 A		00FA
252	Power Factor	0,001	negative values have MSB = 1	00FB
253	Active Power	W		00FC
254	Peak Active Power	W		00FD
255	Apparent Power	VA		00FE
256	Active Energy High Byte	0.1 kWh		00FF
257	Active Energy Low Byte	0.1 kWh		0100
258	Custom Active Energy High	0.1 kWh		0101
259	Custom Active Energy Low	0.1 kWh		0102
260	Apparent Energy High Byte	0.1 kVAh		0103
261	Apparent Energy Low Byte	0.1 kVAh		0104
262	Frequency	0.1 Hz		0105
263	Current AC	0.1 mA		0106

264	Peak Current AC	0.1 mA		0107
265	Current DC	0.1 mA		0108
266	Peak Current DC	0.1 mA		0109
267				010A
268	Type	digit Phase C211	PU: Second Inlet, first outlet, first phase; PDU: Second Inlet, first phase	010B
269	--			010C
270	Voltage	0.1 V		010D
271	Current	0.01 A		010E
272	Peak Current	0.01 A		010F
273	Power Factor	0,001	negative values have MSB = 1	0110
274	Active Power	W		0111
275	Peak Active Power	W		0112
276	Apparent Power	VA		0113
277	Active Energy High Byte	0.1 kWh		0114
278	Active Energy Low Byte	0.1 kWh		0115
279	Custom Active Energy High	0.1 kWh		0116
280	Custom Active Energy Low E	0.1 kWh		0117
281	Apparent Energy High Byte	0.1 kVAh		0118
282	Apparent Energy Low Byte	0.1 kVAh		0119
283	Frequency	0.1 Hz		011A
284	Current AC	0.1 mA		011B
285	Peak Current AC	0.1 mA		011C
286	Current DC	0.1 mA		011D
287	Peak Current DC	0.1 mA		011E
288				011F
289	Type	digit Phase C212	PU: Second Inlet, first outlet, second phase; PDU: Second Inlet, second phase	0120
290	--			0121
291	Voltage	0.1 V		0122
292	Current	0.01 A		0123
293	Peak Current	0.01 A		0124
294	Power Factor	0,001	negative values have MSB = 1	0125
295	Active Power	W		0126
296	Peak Active Power	W		0127

297	Apparent Power	VA		0128
298	Active Energy High Byte	0.1 kWh		0129
299	Active Energy Low Byte	0.1 kWh		012A
300	Custom Active Energy High	0.1 kWh		012B
301	Custom Active Energy Low E	0.1 kWh		012C
302	Apparent Energy High Byte	0.1 kVAh		012D
303	Apparent Energy Low Byte	0.1 kVAh		012E
304	Frequency	0.1 Hz		012F
305	Current AC	0.1 mA		0130
306	Peak Current AC	0.1 mA		0131
307	Current DC	0.1 mA		0132
308	Peak Current DC	0.1 mA		0133
309				0134
310	Type	digit Phase C213	PU: Second Inlet, first outlet, third phase; PDU: Second Inlet, third phase	0135
311	--			0136
312	Voltage	0.1 V		0137
313	Current	0.01 A		0138
314	Peak Current	0.01 A		0139
315	Power Factor	0,001	negative values have MSB = 1	013A
316	Active Power	W		013B
317	Peak Active Power	W		013C
318	Apparent Power	VA		013D
319	Active Energy High Byte	0.1 kWh		013E
320	Active Energy Low Byte	0.1 kWh		013F
321	Custom Active Energy High	0.1 kWh		0140
322	Custom Active Energy Low E	0.1 kWh		0141
323	Apparent Energy High Byte	0.1 kVAh		0142
324	Apparent Energy Low Byte	0.1 kVAh		0143
325	Frequency	0.1 Hz		0144
326	Current AC	0.1 mA		0145
327	Peak Current AC	0.1 mA		0146
328	Current DC	0.1 mA		0147
329	Peak Current DC	0.1 mA		0148

330				0149
331 Type		digit Phase C221	PU: Second Inlet, second outlet, first phase	014A
332 --				014B
333 Voltage	0.1 V			014C
334 Current	0.01 A			014D
335 Peak Current	0.01 A			014E
336 Power Factor	0,001		negative values have MSB = 1	014F
337 Active Power	W			0150
338 Peak Active Power	W			0151
339 Apparent Power	VA			0152
340 Active Energy High Byte	0.1 kWh			0153
341 Active Energy Low Byte	0.1 kWh			0154
342 Custom Active Energy High	0.1 kWh			0155
343 Custom Active Energy Low I	0.1 kWh			0156
344 Apparent Energy High Byte	0.1 kVAh			0157
345 Apparent Energy Low Byte	0.1 kVAh			0158
346 Frequency	0.1 Hz			0159
347 Current AC	0.1 mA			015A
348 Peak Current AC	0.1 mA			015B
349 Current DC	0.1 mA			015C
350 Peak Current DC	0.1 mA			015D
351				015E
352 Type		digit Phase C222	PU: Second Inlet, second outlet, second phase	015F
353 --				0160
354 Voltage	0.1 V			0161
355 Current	0.01 A			0162
356 Peak Current	0.01 A			0163
357 Power Factor	0,001		negative values have MSB = 1	0164
358 Active Power	W			0165
359 Peak Active Power	W			0166
360 Apparent Power	VA			0167
361 Active Energy High Byte	0.1 kWh			0168
362 Active Energy Low Byte	0.1 kWh			0169

363	Custom Active Energy High	0.1 kWh			016A
364	Custom Active Energy Low E	0.1 kWh			016B
365	Apparent Energy High Byte	0.1 kVAh			016C
366	Apparent Energy Low Byte	0.1 kVAh			016D
367	Frequency	0.1 Hz			016E
368	Current AC	0.1 mA			016F
369	Peak Current AC	0.1 mA			0170
370	Current DC	0.1 mA			0171
371	Peak Current DC	0.1 mA			0172
372					0173
373	Type	digit	Phase C223	PU: Second Inlet, second outlet, third phase	0174
374	--				0175
375	Voltage	0.1 V			0176
376	Current	0.01 A			0177
377	Peak Current	0.01 A			0178
378	Power Factor	0,001		negative values have MSB = 1	0179
379	Active Power	W			017A
380	Peak Active Power	W			017B
381	Apparent Power	VA			017C
382	Active Energy High Byte	0.1 kWh			017D
383	Active Energy Low Byte	0.1 kWh			017E
384	Custom Active Energy High	0.1 kWh			017F
385	Custom Active Energy Low E	0.1 kWh			0180
386	Apparent Energy High Byte	0.1 kVAh			0181
387	Apparent Energy Low Byte	0.1 kVAh			0182
388	Frequency	0.1 Hz			0183
389	Current AC	0.1 mA			0184
390	Peak Current AC	0.1 mA			0185
391	Current DC	0.1 mA			0186
392	Peak Current DC	0.1 mA			0187
393					0188
394	Type	digit	Fuse 1		0189
395	--				018A

Reg	Name	Unit		Hex
396	Current	0.01 A		018B
397				018C
398	Type	digit Fuse 2		018D
399	--			018E
400	Current	0.01 A		018F
401				0190
402	Type	digit Fuse 3		0191
403	--			0192
404	Current	0.01 A		0193
405				0194
406	Type	digit Fuse 4		0195
407	--			0196
408	Current	0.01 A		0197
409				0198
410	Type	digit Fuse 5		0199
411	--			019A
412	Current	0.01 A		019B
413				019C
414	Type	digit Fuse 6		019D
415	--			019E
416	Current	0.01 A		019F
417				01A0
418	Type	digit Fuse 7		01A1
419	--			01A2
420	Current	0.01 A		01A3
421				01A4
422	Type	digit Fuse 8		01A5
423	--			01A6
424	Current	0.01 A		01A7
425				01A8
426	Type	digit Fuse 9		01A9
427	--			01AA
428	Current	0.01 A		01AB

429				01AC
430	Type	digit Fuse 10		01AD
431	--			01AE
432	Current	0.01 A		01AF
433				01B0
434	Type	digit Fuse 11		01B1
435	--			01B2
436	Current	0.01 A		01B3
437				01B4
438	Type	digit Fuse 12		01B5
439	--			01B6
440	Current	0.01 A		01B7
441				01B8
442	Type	digit RCM 1		01B9
443	--			01BA
444	Current AC	0.1 mA		01BB
445	Peak Current AC	0.1 mA		01BC
446	Current DC	0.1 mA		01BD
447	Peak Current DC	0.1 mA		01BE
448				01BF
449	Type	digit RCM 2		01C0
450	--			01C1
451	Current AC	0.1 mA		01C2
452	Peak Current AC	0.1 mA		01C3
453	Current DC	0.1 mA		01C4
454	Peak Current DC	0.1 mA		01C5
455				01C6
456	Type	digit RCM 3		01C7
457	--			01C8
458	Current AC	0.1 mA		01C9
459	Peak Current AC	0.1 mA		01CA
460	Current DC	0.1 mA		01CB
461	Peak Current DC	0.1 mA		01CC

462				01CD
463 Type		digit	RCM 4	01CE
464 --				01CF
465 Current AC	0.1 mA			01D0
466 Peak Current AC	0.1 mA			01D1
467 Current DC	0.1 mA			01D2
468 Peak Current DC	0.1 mA			01D3
469				01D4
470 Type		digit	RCM 5	01D5
471 --				01D6
472 Current AC	0.1 mA			01D7
473 Peak Current AC	0.1 mA			01D8
474 Current DC	0.1 mA			01D9
475 Peak Current DC	0.1 mA			01DA
476				01DB
477 Type		digit	RCM 6	01DC
478 --				01DD
479 Current AC	0.1 mA			01DE
480 Peak Current AC	0.1 mA			01DF
481 Current DC	0.1 mA			01E0
482 Peak Current DC	0.1 mA			01E1
483				01E2
484 Type		digit	RCM 7	01E3
485 --				01E4
486 Current AC	0.1 mA			01E5
487 Peak Current AC	0.1 mA			01E6
488 Current DC	0.1 mA			01E7
489 Peak Current DC	0.1 mA			01E8
490				01E9
491 Type		digit	RCM 8	01EA
492 --				01EB
493 Current AC	0.1 mA			01EC
494 Peak Current AC	0.1 mA			01ED

495 Current DC	0.1 mA			01EE
496 Peak Current DC	0.1 mA			01EF
497				01F0
498 Type	digit RCM 9			01F1
499 --				01F2
500 Current AC	0.1 mA			01F3
501 Peak Current AC	0.1 mA			01F4
502 Current DC	0.1 mA			01F5
503 Peak Current DC	0.1 mA			01F6
504				01F7
505 Type	digit RCM 10			01F8
506 --				01F9
507 Current AC	0.1 mA			01FA
508 Peak Current AC	0.1 mA			01FB
509 Current DC	0.1 mA			01FC
510 Peak Current DC	0.1 mA			01FD
511				01FE
512 Type	digit RCM 11			01FF
513 --				0200
514 Current AC	0.1 mA			0201
515 Peak Current AC	0.1 mA			0202
516 Current DC	0.1 mA			0203
517 Peak Current DC	0.1 mA			0204
518				0205
519 Type	digit RCM 12			0206
520 --				0207
521 Current AC	0.1 mA			0208
522 Peak Current AC	0.1 mA			0209
523 Current DC	0.1 mA			020A
524 Peak Current DC	0.1 mA			020B
525				020C
526 Type	digit Socket 1	Only Master/Slave		020D
527 --				020E

528 Current	0.01 A				020F
529 Peak Current	0.01 A				0210
530 Power Factor	0,001		negative values have MSB = 1		0211
531 Active Power	W				0212
532 Peak Active Power	W				0213
533 Apparent Power	VA				0214
534 Active Energy High Byte	0.1 kWh				0215
535 Active Energy Low Byte	0.1 kWh				0216
536 Custom Active Energy High	0.1 kWh				0217
537 Custom Active EnergyLow B	0.1 kWh				0218
538 Apparent Energy High Byte	0.1 kVAh				0219
539 Apparent Energy Low Byte	0.1 kVAh				021A
540					021B
541 Type	digit	Socket 2	Only Master/Slave		021C
542 --					021D
543 Current	0.01 A				021E
544 Peak Current	0.01 A				021F
545 Power Factor	0,001		negative values have MSB = 1		0220
546 Active Power	W				0221
547 Peak Active Power	W				0222
548 Apparent Power	VA				0223
549 Active Energy High Byte	0.1 kWh				0224
550 Active Energy Low Byte	0.1 kWh				0225
551 Custom Active Energy High	0.1 kWh				0226
552 Custom Active EnergyLow B	0.1 kWh				0227
553 Apparent Energy High Byte	0.1 kVAh				0228
554 Apparent Energy Low Byte	0.1 kVAh				0229
555					022A
556 Type	digit	Socket 3	Only Master/Slave		022B
557 --					022C
558 Current	0.01 A				022D
559 Peak Current	0.01 A				022E
560 Power Factor	0,001		negative values have MSB = 1		022F

561 Active Power	W			0230
562 Peak Active Power	W			0231
563 Apparent Power	VA			0232
564 Active Energy High Byte	0.1 kWh			0233
565 Active Energy Low Byte	0.1 kWh			0234
566 Custom Active Energy High	0.1 kWh			0235
567 Custom Active EnergyLow B	0.1 kWh			0236
568 Apparent Energy High Byte	0.1 kVAh			0237
569 Apparent Energy Low Byte	0.1 kVAh			0238
570				0239
571 Type	digit	Socket 4	Only Master/Slave	023A
572 --				023B
573 Current	0.01 A			023C
574 Peak Current	0.01 A			023D
575 Power Factor	0,001		negative values have MSB = 1	023E
576 Active Power	W			023F
577 Peak Active Power	W			0240
578 Apparent Power	VA			0241
579 Active Energy High Byte	0.1 kWh			0242
580 Active Energy Low Byte	0.1 kWh			0243
581 Custom Active Energy High	0.1 kWh			0244
582 Custom Active EnergyLow B	0.1 kWh			0245
583 Apparent Energy High Byte	0.1 kVAh			0246
584 Apparent Energy Low Byte	0.1 kVAh			0247
585				0248
586 Type	digit	Socket 5	Only Master/Slave	0249
587 --				024A
588 Current	0.01 A			024B
589 Peak Current	0.01 A			024C
590 Power Factor	0,001		negative values have MSB = 1	024D
591 Active Power	W			024E
592 Peak Active Power	W			024F
593 Apparent Power	VA			0250

594 Active Energy High Byte	0.1 kWh			0251
595 Active Energy Low Byte	0.1 kWh			0252
596 Custom Active Energy High	0.1 kWh			0253
597 Custom Active EnergyLow B	0.1 kWh			0254
598 Apparent Energy High Byte	0.1 kVAh			0255
599 Apparent Energy Low Byte	0.1 kVAh			0256
600				0257
601 Type	digit	Socket 6	Only Master/Slave	0258
602 --				0259
603 Current	0.01 A			025A
604 Peak Current	0.01 A			025B
605 Power Factor	0,001		negative values have MSB = 1	025C
606 Active Power	W			025D
607 Peak Active Power	W			025E
608 Apparent Power	VA			025F
609 Active Energy High Byte	0.1 kWh			0260
610 Active Energy Low Byte	0.1 kWh			0261
611 Custom Active Energy High	0.1 kWh			0262
612 Custom Active EnergyLow B	0.1 kWh			0263
613 Apparent Energy High Byte	0.1 kVAh			0264
614 Apparent Energy Low Byte	0.1 kVAh			0265
615				0266
616 Type	digit	Socket 7	Only Master/Slave	0267
617 --				0268
618 Current	0.01 A			0269
619 Peak Current	0.01 A			026A
620 Power Factor	0,001		negative values have MSB = 1	026B
621 Active Power	W			026C
622 Peak Active Power	W			026D
623 Apparent Power	VA			026E
624 Active Energy High Byte	0.1 kWh			026F
625 Active Energy Low Byte	0.1 kWh			0270
626 Custom Active Energy High	0.1 kWh			0271

627	Custom Active EnergyLow B	0.1 kWh			0272
628	Apparent Energy High Byte	0.1 kVAh			0273
629	Apparent Energy Low Byte	0.1 kVAh			0274
630					0275
631	Type	digit	Socket 8	Only Master/Slave	0276
632	--				0277
633	Current	0.01 A			0278
634	Peak Current	0.01 A			0279
635	Power Factor	0,001		negative values have MSB = 1	027A
636	Active Power	W			027B
637	Peak Active Power	W			027C
638	Apparent Power	VA			027D
639	Active Energy High Byte	0.1 kWh			027E
640	Active Energy Low Byte	0.1 kWh			027F
641	Custom Active Energy High	0.1 kWh			0280
642	Custom Active EnergyLow B	0.1 kWh			0281
643	Apparent Energy High Byte	0.1 kVAh			0282
644	Apparent Energy Low Byte	0.1 kVAh			0283
645					0284
646	Type	digit	Socket 9	Only Master/Slave	0285
647	--				0286
648	Current	0.01 A			0287
649	Peak Current	0.01 A			0288
650	Power Factor	0,001		negative values have MSB = 1	0289
651	Active Power	W			028A
652	Peak Active Power	W			028B
653	Apparent Power	VA			028C
654	Active Energy High Byte	0.1 kWh			028D
655	Active Energy Low Byte	0.1 kWh			028E
656	Custom Active Energy High	0.1 kWh			028F
657	Custom Active EnergyLow B	0.1 kWh			0290
658	Apparent Energy High Byte	0.1 kVAh			0291
659	Apparent Energy Low Byte	0.1 kVAh			0292

660					0293
661	Type		digit Socket 10	Only Master/Slave	0294
662	--				0295
663	Current	0.01 A			0296
664	Peak Current	0.01 A			0297
665	Power Factor	0,001		negative values have MSB = 1	0298
666	Active Power	W			0299
667	Peak Active Power	W			029A
668	Apparent Power	VA			029B
669	Active Energy High Byte	0.1 kWh			029C
670	Active Energy Low Byte	0.1 kWh			029D
671	Custom Active Energy High	0.1 kWh			029E
672	Custom Active EnergyLow B	0.1 kWh			029F
673	Apparent Energy High Byte	0.1 kVAh			02A0
674	Apparent Energy Low Byte	0.1 kVAh			02A1
675					02A2
676	Type		digit Socket 11	Only Master/Slave	02A3
677	--				02A4
678	Current	0.01 A			02A5
679	Peak Current	0.01 A			02A6
680	Power Factor	0,001		negative values have MSB = 1	02A7
681	Active Power	W			02A8
682	Peak Active Power	W			02A9
683	Apparent Power	VA			02AA
684	Active Energy High Byte	0.1 kWh			02AB
685	Active Energy Low Byte	0.1 kWh			02AC
686	Custom Active Energy High	0.1 kWh			02AD
687	Custom Active EnergyLow B	0.1 kWh			02AE
688	Apparent Energy High Byte	0.1 kVAh			02AF
689	Apparent Energy Low Byte	0.1 kVAh			02B0
690					02B1
691	Type		digit Socket 12	Only Master/Slave	02B2
692	--				02B3

693 Current	0.01 A			02B4
694 Peak Current	0.01 A			02B5
695 Power Factor	0,001		negative values have MSB = 1	02B6
696 Active Power	W			02B7
697 Peak Active Power	W			02B8
698 Apparent Power	VA			02B9
699 Active Energy High Byte	0.1 kWh			02BA
700 Active Energy Low Byte	0.1 kWh			02BB
701 Custom Active Energy High	0.1 kWh			02BC
702 Custom Active EnergyLow B	0.1 kWh			02BD
703 Apparent Energy High Byte	0.1 kVAh			02BE
704 Apparent Energy Low Byte	0.1 kVAh			02BF
705				02C0
706 Type	digit	Socket 13	Only Master/Slave	02C1
707 --				02C2
708 Current	0.01 A			02C3
709 Peak Current	0.01 A			02C4
710 Power Factor	0,001		negative values have MSB = 1	02C5
711 Active Power	W			02C6
712 Peak Active Power	W			02C7
713 Apparent Power	VA			02C8
714 Active Energy High Byte	0.1 kWh			02C9
715 Active Energy Low Byte	0.1 kWh			02CA
716 Custom Active Energy High	0.1 kWh			02CB
717 Custom Active EnergyLow B	0.1 kWh			02CC
718 Apparent Energy High Byte	0.1 kVAh			02CD
719 Apparent Energy Low Byte	0.1 kVAh			02CE
720				02CF
721 Type	digit	Socket 14	Only Master/Slave	02D0
722 --				02D1
723 Current	0.01 A			02D2
724 Peak Current	0.01 A			02D3
725 Power Factor	0,001		negative values have MSB = 1	02D4

726	Active Power	W			02D5
727	Peak Active Power	W			02D6
728	Apparent Power	VA			02D7
729	Active Energy High Byte	0.1 kWh			02D8
730	Active Energy Low Byte	0.1 kWh			02D9
731	Custom Active Energy High	0.1 kWh			02DA
732	Custom Active EnergyLow B	0.1 kWh			02DB
733	Apparent Energy High Byte	0.1 kVAh			02DC
734	Apparent Energy Low Byte	0.1 kVAh			02DD
735					02DE
736	Type	digit	Socket 15	Only Master/Slave	02DF
737	--				02E0
738	Current	0.01 A			02E1
739	Peak Current	0.01 A			02E2
740	Power Factor	0,001		negative values have MSB = 1	02E3
741	Active Power	W			02E4
742	Peak Active Power	W			02E5
743	Apparent Power	VA			02E6
744	Active Energy High Byte	0.1 kWh			02E7
745	Active Energy Low Byte	0.1 kWh			02E8
746	Custom Active Energy High	0.1 kWh			02E9
747	Custom Active EnergyLow B	0.1 kWh			02EA
748	Apparent Energy High Byte	0.1 kVAh			02EB
749	Apparent Energy Low Byte	0.1 kVAh			02EC
750					02ED
751	Type	digit	Socket 16	Only Master/Slave	02EE
752	--				02EF
753	Current	0.01 A			02F0
754	Peak Current	0.01 A			02F1
755	Power Factor	0,001		negative values have MSB = 1	02F2
756	Active Power	W			02F3
757	Peak Active Power	W			02F4
758	Apparent Power	VA			02F5

759 Active Energy High Byte	0.1 kWh			02F6
760 Active Energy Low Byte	0.1 kWh			02F7
761 Custom Active Energy High	0.1 kWh			02F8
762 Custom Active EnergyLow B	0.1 kWh			02F9
763 Apparent Energy High Byte	0.1 kVAh			02FA
764 Apparent Energy Low Byte	0.1 kVAh			02FB
765				02FC
766 Type	digit	Socket 17	Only Master/Slave	02FD
767 --				02FE
768 Current	0.01 A			02FF
769 Peak Current	0.01 A			0300
770 Power Factor	0,001		negative values have MSB = 1	0301
771 Active Power	W			0302
772 Peak Active Power	W			0303
773 Apparent Power	VA			0304
774 Active Energy High Byte	0.1 kWh			0305
775 Active Energy Low Byte	0.1 kWh			0306
776 Custom Active Energy High	0.1 kWh			0307
777 Custom Active EnergyLow B	0.1 kWh			0308
778 Apparent Energy High Byte	0.1 kVAh			0309
779 Apparent Energy Low Byte	0.1 kVAh			030A
780				030B
781 Type	digit	Socket 18	Only Master/Slave	030C
782 --				030D
783 Current	0.01 A			030E
784 Peak Current	0.01 A			030F
785 Power Factor	0,001		negative values have MSB = 1	0310
786 Active Power	W			0311
787 Peak Active Power	W			0312
788 Apparent Power	VA			0313
789 Active Energy High Byte	0.1 kWh			0314
790 Active Energy Low Byte	0.1 kWh			0315
791 Custom Active Energy High	0.1 kWh			0316

792 Custom Active EnergyLow B	0.1 kWh				0317
793 Apparent Energy High Byte	0.1 kVAh				0318
794 Apparent Energy Low Byte	0.1 kVAh				0319
795					031A
796 Type		digit	Socket 19	Only Master/Slave	031B
797 --					031C
798 Current	0.01 A				031D
799 Peak Current	0.01 A				031E
800 Power Factor	0,001			negative values have MSB = 1	031F
801 Active Power	W				0320
802 Peak Active Power	W				0321
803 Apparent Power	VA				0322
804 Active Energy High Byte	0.1 kWh				0323
805 Active Energy Low Byte	0.1 kWh				0324
806 Custom Active Energy High	0.1 kWh				0325
807 Custom Active EnergyLow B	0.1 kWh				0326
808 Apparent Energy High Byte	0.1 kVAh				0327
809 Apparent Energy Low Byte	0.1 kVAh				0328
810					0329
811 Type		digit	Socket 20	Only Master/Slave	032A
812 --					032B
813 Current	0.01 A				032C
814 Peak Current	0.01 A				032D
815 Power Factor	0,001			negative values have MSB = 1	032E
816 Active Power	W				032F
817 Peak Active Power	W				0330
818 Apparent Power	VA				0331
819 Active Energy High Byte	0.1 kWh				0332
820 Active Energy Low Byte	0.1 kWh				0333
821 Custom Active Energy High	0.1 kWh				0334
822 Custom Active EnergyLow B	0.1 kWh				0335
823 Apparent Energy High Byte	0.1 kVAh				0336
824 Apparent Energy Low Byte	0.1 kVAh				0337

Reg	Description	Unit		Note	Hex
825					0338
826	Type	digit	Socket 21	Only Master/Slave	0339
827	--				033A
828	Current	0.01 A			033B
829	Peak Current	0.01 A			033C
830	Power Factor	0,001		negative values have MSB = 1	033D
831	Active Power	W			033E
832	Peak Active Power	W			033F
833	Apparent Power	VA			0340
834	Active Energy High Byte	0.1 kWh			0341
835	Active Energy Low Byte	0.1 kWh			0342
836	Custom Active Energy High	0.1 kWh			0343
837	Custom Active EnergyLow B	0.1 kWh			0344
838	Apparent Energy High Byte	0.1 kVAh			0345
839	Apparent Energy Low Byte	0.1 kVAh			0346
840					0347
841	Type	digit	Socket 22	Only Master/Slave	0348
842	--				0349
843	Current	0.01 A			034A
844	Peak Current	0.01 A			034B
845	Power Factor	0,001		negative values have MSB = 1	034C
846	Active Power	W			034D
847	Peak Active Power	W			034E
848	Apparent Power	VA			034F
849	Active Energy High Byte	0.1 kWh			0350
850	Active Energy Low Byte	0.1 kWh			0351
851	Custom Active Energy High	0.1 kWh			0352
852	Custom Active EnergyLow B	0.1 kWh			0353
853	Apparent Energy High Byte	0.1 kVAh			0354
854	Apparent Energy Low Byte	0.1 kVAh			0355
855					0356
856	Type	digit	Socket 23	Only Master/Slave	0357
857	--				0358

858 Current	0.01 A			0359
859 Peak Current	0.01 A			035A
860 Power Factor	0,001		negative values have MSB = 1	035B
861 Active Power	W			035C
862 Peak Active Power	W			035D
863 Apparent Power	VA			035E
864 Active Energy High Byte	0.1 kWh			035F
865 Active Energy Low Byte	0.1 kWh			0360
866 Custom Active Energy High	0.1 kWh			0361
867 Custom Active EnergyLow B	0.1 kWh			0362
868 Apparent Energy High Byte	0.1 kVAh			0363
869 Apparent Energy Low Byte	0.1 kVAh			0364
870				0365
871 Type	digit	Socket 24	Only Master/Slave	0366
872 --				0367
873 Current	0.01 A			0368
874 Peak Current	0.01 A			0369
875 Power Factor	0,001		negative values have MSB = 1	036A
876 Active Power	W			036B
877 Peak Active Power	W			036C
878 Apparent Power	VA			036D
879 Active Energy High Byte	0.1 kWh			036E
880 Active Energy Low Byte	0.1 kWh			036F
881 Custom Active Energy High	0.1 kWh			0370
882 Custom Active EnergyLow B	0.1 kWh			0371
883 Apparent Energy High Byte	0.1 kVAh			0372
884 Apparent Energy Low Byte	0.1 kVAh			0373
885				0374
886 Type	digit	Socket 25	Only Master/Slave	0375
887 --				0376
888 Current	0.01 A			0377
889 Peak Current	0.01 A			0378
890 Power Factor	0,001		negative values have MSB = 1	0379

891	Active Power		W		037A
892	Peak Active Power		W		037B
893	Apparent Power		VA		037C
894	Active Energy High Byte	0.1 kWh			037D
895	Active Energy Low Byte	0.1 kWh			037E
896	Custom Active Energy High	0.1 kWh			037F
897	Custom Active EnergyLow B	0.1 kWh			0380
898	Apparent Energy High Byte	0.1 kVAh			0381
899	Apparent Energy Low Byte	0.1 kVAh			0382
900					0383
901	Type		digit Socket 26	Only Master/Slave	0384
902	--				0385
903	Current	0.01 A			0386
904	Peak Current	0.01 A			0387
905	Power Factor	0,001		negative values have MSB = 1	0388
906	Active Power		W		0389
907	Peak Active Power		W		038A
908	Apparent Power		VA		038B
909	Active Energy High Byte	0.1 kWh			038C
910	Active Energy Low Byte	0.1 kWh			038D
911	Custom Active Energy High	0.1 kWh			038E
912	Custom Active EnergyLow B	0.1 kWh			038F
913	Apparent Energy High Byte	0.1 kVAh			0390
914	Apparent Energy Low Byte	0.1 kVAh			0391
915					0392
916	Type		digit Socket 27	Only Master/Slave	0393
917	--				0394
918	Current	0.01 A			0395
919	Peak Current	0.01 A			0396
920	Power Factor	0,001		negative values have MSB = 1	0397
921	Active Power		W		0398
922	Peak Active Power		W		0399
923	Apparent Power		VA		039A

Reg	Description	Unit		Note	Addr
924	Active Energy High Byte	0.1 kWh			039B
925	Active Energy Low Byte	0.1 kWh			039C
926	Custom Active Energy High	0.1 kWh			039D
927	Custom Active EnergyLow B	0.1 kWh			039E
928	Apparent Energy High Byte	0.1 kVAh			039F
929	Apparent Energy Low Byte	0.1 kVAh			03A0
930					03A1
931	Type	digit	Socket 28	Only Master/Slave	03A2
932	--				03A3
933	Current	0.01 A			03A4
934	Peak Current	0.01 A			03A5
935	Power Factor	0,001		negative values have MSB = 1	03A6
936	Active Power	W			03A7
937	Peak Active Power	W			03A8
938	Apparent Power	VA			03A9
939	Active Energy High Byte	0.1 kWh			03AA
940	Active Energy Low Byte	0.1 kWh			03AB
941	Custom Active Energy High	0.1 kWh			03AC
942	Custom Active EnergyLow B	0.1 kWh			03AD
943	Apparent Energy High Byte	0.1 kVAh			03AE
944	Apparent Energy Low Byte	0.1 kVAh			03AF
945					03B0
946	Type	digit	Socket 29	Only Master/Slave	03B1
947	--				03B2
948	Current	0.01 A			03B3
949	Peak Current	0.01 A			03B4
950	Power Factor	0,001		negative values have MSB = 1	03B5
951	Active Power	W			03B6
952	Peak Active Power	W			03B7
953	Apparent Power	VA			03B8
954	Active Energy High Byte	0.1 kWh			03B9
955	Active Energy Low Byte	0.1 kWh			03BA
956	Custom Active Energy High	0.1 kWh			03BB

957 Custom Active EnergyLow B	0.1 kWh				03BC
958 Apparent Energy High Byte	0.1 kVAh				03BD
959 Apparent Energy Low Byte	0.1 kVAh				03BE
960					03BF
961 Type		digit	Socket 30	Only Master/Slave	03C0
962 --					03C1
963 Current	0.01 A				03C2
964 Peak Current	0.01 A				03C3
965 Power Factor	0,001			negative values have MSB = 1	03C4
966 Active Power	W				03C5
967 Peak Active Power	W				03C6
968 Apparent Power	VA				03C7
969 Active Energy High Byte	0.1 kWh				03C8
970 Active Energy Low Byte	0.1 kWh				03C9
971 Custom Active Energy High	0.1 kWh				03CA
972 Custom Active EnergyLow B	0.1 kWh				03CB
973 Apparent Energy High Byte	0.1 kVAh				03CC
974 Apparent Energy Low Byte	0.1 kVAh				03CD
975					03CE
976 Type		digit	Socket 31	Only Master/Slave	03CF
977 --					03D0
978 Current	0.01 A				03D1
979 Peak Current	0.01 A				03D2
980 Power Factor	0,001			negative values have MSB = 1	03D3
981 Active Power	W				03D4
982 Peak Active Power	W				03D5
983 Apparent Power	VA				03D6
984 Active Energy High Byte	0.1 kWh				03D7
985 Active Energy Low Byte	0.1 kWh				03D8
986 Custom Active Energy High	0.1 kWh				03D9
987 Custom Active EnergyLow B	0.1 kWh				03DA
988 Apparent Energy High Byte	0.1 kVAh				03DB
989 Apparent Energy Low Byte	0.1 kVAh				03DC

990					03DD
991	Type		digit Socket 32	Only Master/Slave	03DE
992	--				03DF
993	Current	0.01 A			03E0
994	Peak Current	0.01 A			03E1
995	Power Factor	0,001		negative values have MSB = 1	03E2
996	Active Power	W			03E3
997	Peak Active Power	W			03E4
998	Apparent Power	VA			03E5
999	Active Energy High Byte	0.1 kWh			03E6
1000	Active Energy Low Byte	0.1 kWh			03E7
1001	Custom Active Energy High	0.1 kWh			03E8
1002	Custom Active EnergyLow B	0.1 kWh			03E9
1003	Apparent Energy High Byte	0.1 kVAh			03EA
1004	Apparent Energy Low Byte	0.1 kVAh			03EB
1005					03EC
1006	Type		digit Socket 33	Only Master/Slave	03ED
1007	--				03EE
1008	Current	0.01 A			03EF
1009	Peak Current	0.01 A			03F0
1010	Power Factor	0,001		negative values have MSB = 1	03F1
1011	Active Power	W			03F2
1012	Peak Active Power	W			03F3
1013	Apparent Power	VA			03F4
1014	Active Energy High Byte	0.1 kWh			03F5
1015	Active Energy Low Byte	0.1 kWh			03F6
1016	Custom Active Energy High	0.1 kWh			03F7
1017	Custom Active EnergyLow B	0.1 kWh			03F8
1018	Apparent Energy High Byte	0.1 kVAh			03F9
1019	Apparent Energy Low Byte	0.1 kVAh			03FA
1020					03FB
1021	Type		digit Socket 34	Only Master/Slave	03FC
1022	--				03FD

Register	Description	Unit		Notes	Hex
1023	Current	0.01 A			03FE
1024	Peak Current	0.01 A			03FF
1025	Power Factor	0,001		negative values have MSB = 1	0400
1026	Active Power	W			0401
1027	Peak Active Power	W			0402
1028	Apparent Power	VA			0403
1029	Active Energy High Byte	0.1 kWh			0404
1030	Active Energy Low Byte	0.1 kWh			0405
1031	Custom Active Energy High	0.1 kWh			0406
1032	Custom Active EnergyLow B	0.1 kWh			0407
1033	Apparent Energy High Byte	0.1 kVAh			0408
1034	Apparent Energy Low Byte	0.1 kVAh			0409
1035					040A
1036	Type	digit	Socket 35	Only Master/Slave	040B
1037	--				040C
1038	Current	0.01 A			040D
1039	Peak Current	0.01 A			040E
1040	Power Factor	0,001		negative values have MSB = 1	040F
1041	Active Power	W			0410
1042	Peak Active Power	W			0411
1043	Apparent Power	VA			0412
1044	Active Energy High Byte	0.1 kWh			0413
1045	Active Energy Low Byte	0.1 kWh			0414
1046	Custom Active Energy High	0.1 kWh			0415
1047	Custom Active EnergyLow B	0.1 kWh			0416
1048	Apparent Energy High Byte	0.1 kVAh			0417
1049	Apparent Energy Low Byte	0.1 kVAh			0418
1050					0419
1051	Type	digit	Socket 36	Only Master/Slave	041A
1052	--				041B
1053	Current	0.01 A			041C
1054	Peak Current	0.01 A			041D
1055	Power Factor	0,001		negative values have MSB = 1	041E

Register	Name	Unit		Note	Address
1056	Active Power	W			041F
1057	Peak Active Power	W			0420
1058	Apparent Power	VA			0421
1059	Active Energy High Byte	0.1 kWh			0422
1060	Active Energy Low Byte	0.1 kWh			0423
1061	Custom Active Energy High	0.1 kWh			0424
1062	Custom Active EnergyLow B	0.1 kWh			0425
1063	Apparent Energy High Byte	0.1 kVAh			0426
1064	Apparent Energy Low Byte	0.1 kVAh			0427
1065					0428
1066	Type	digit	Socket 37	Only Master/Slave	0429
1067	--				042A
1068	Current	0.01 A			042B
1069	Peak Current	0.01 A			042C
1070	Power Factor	0,001		negative values have MSB = 1	042D
1071	Active Power	W			042E
1072	Peak Active Power	W			042F
1073	Apparent Power	VA			0430
1074	Active Energy High Byte	0.1 kWh			0431
1075	Active Energy Low Byte	0.1 kWh			0432
1076	Custom Active Energy High	0.1 kWh			0433
1077	Custom Active EnergyLow B	0.1 kWh			0434
1078	Apparent Energy High Byte	0.1 kVAh			0435
1079	Apparent Energy Low Byte	0.1 kVAh			0436
1080					0437
1081	Type	digit	Socket 38	Only Master/Slave	0438
1082	--				0439
1083	Current	0.01 A			043A
1084	Peak Current	0.01 A			043B
1085	Power Factor	0,001		negative values have MSB = 1	043C
1086	Active Power	W			043D
1087	Peak Active Power	W			043E
1088	Apparent Power	VA			043F

1089	Active Energy High Byte	0.1 kWh			0440
1090	Active Energy Low Byte	0.1 kWh			0441
1091	Custom Active Energy High	0.1 kWh			0442
1092	Custom Active EnergyLow B	0.1 kWh			0443
1093	Apparent Energy High Byte	0.1 kVAh			0444
1094	Apparent Energy Low Byte	0.1 kVAh			0445
1095					0446
1096	Type	digit	Socket 39	Only Master/Slave	0447
1097	--				0448
1098	Current	0.01 A			0449
1099	Peak Current	0.01 A			044A
1100	Power Factor	0,001		negative values have MSB = 1	044B
1101	Active Power	W			044C
1102	Peak Active Power	W			044D
1103	Apparent Power	VA			044E
1104	Active Energy High Byte	0.1 kWh			044F
1105	Active Energy Low Byte	0.1 kWh			0450
1106	Custom Active Energy High	0.1 kWh			0451
1107	Custom Active EnergyLow B	0.1 kWh			0452
1108	Apparent Energy High Byte	0.1 kVAh			0453
1109	Apparent Energy Low Byte	0.1 kVAh			0454
1110					0455
1111	Type	digit	Socket 40	Only Master/Slave	0456
1112	--				0457
1113	Current	0.01 A			0458
1114	Peak Current	0.01 A			0459
1115	Power Factor	0,001		negative values have MSB = 1	045A
1116	Active Power	W			045B
1117	Peak Active Power	W			045C
1118	Apparent Power	VA			045D
1119	Active Energy High Byte	0.1 kWh			045E
1120	Active Energy Low Byte	0.1 kWh			045F
1121	Custom Active Energy High	0.1 kWh			0460

1122	Custom Active EnergyLow B	0.1 kWh			0461
1123	Apparent Energy High Byte	0.1 kVAh			0462
1124	Apparent Energy Low Byte	0.1 kVAh			0463
1125					0464
1126	Type	digit	Socket 40	Only Master/Slave	0465
1127	--				0466
1128	Current	0.01 A			0467
1129	Peak Current	0.01 A			0468
1130	Power Factor	0,001		negative values have MSB = 1	0469
1131	Active Power	W			046A
1132	Peak Active Power	W			046B
1133	Apparent Power	VA			046C
1134	Active Energy High Byte	0.1 kWh			046D
1135	Active Energy Low Byte	0.1 kWh			046E
1136	Custom Active Energy High	0.1 kWh			046F
1137	Custom Active EnergyLow B	0.1 kWh			0470
1138	Apparent Energy High Byte	0.1 kVAh			0471
1139	Apparent Energy Low Byte	0.1 kVAh			0472
1140					0473
1141	Type	digit	Socket 41	Only Master/Slave	0474
1142	--				0475
1143	Current	0.01 A			0476
1144	Peak Current	0.01 A			0477
1145	Power Factor	0,001		negative values have MSB = 1	0478
1146	Active Power	W			0479
1147	Peak Active Power	W			047A
1148	Apparent Power	VA			047B
1149	Active Energy High Byte	0.1 kWh			047C
1150	Active Energy Low Byte	0.1 kWh			047D
1151	Custom Active Energy High	0.1 kWh			047E
1152	Custom Active EnergyLow B	0.1 kWh			047F
1153	Apparent Energy High Byte	0.1 kVAh			0480
1154	Apparent Energy Low Byte	0.1 kVAh			0481

1155					0482
1156	Type	digit	Socket 42	Only Master/Slave	0483
1157	--				0484
1158	Current	0.01 A			0485
1159	Peak Current	0.01 A			0486
1160	Power Factor	0,001		negative values have MSB = 1	0487
1161	Active Power	W			0488
1162	Peak Active Power	W			0489
1163	Apparent Power	VA			048A
1164	Active Energy High Byte	0.1 kWh			048B
1165	Active Energy Low Byte	0.1 kWh			048C
1166	Custom Active Energy High	0.1 kWh			048D
1167	Custom Active EnergyLow B	0.1 kWh			048E
1168	Apparent Energy High Byte	0.1 kVAh			048F
1169	Apparent Energy Low Byte	0.1 kVAh			0490
1170					0491
1171	Type	digit	Socket 43	Only Master/Slave	0492
1172	--				0493
1173	Current	0.01 A			0494
1174	Peak Current	0.01 A			0495
1175	Power Factor	0,001		negative values have MSB = 1	0496
1176	Active Power	W			0497
1177	Peak Active Power	W			0498
1178	Apparent Power	VA			0499
1179	Active Energy High Byte	0.1 kWh			049A
1180	Active Energy Low Byte	0.1 kWh			049B
1181	Custom Active Energy High	0.1 kWh			049C
1182	Custom Active EnergyLow B	0.1 kWh			049D
1183	Apparent Energy High Byte	0.1 kVAh			049E
1184	Apparent Energy Low Byte	0.1 kVAh			049F
1185					04A0
1186	Type	digit	Socket 44	Only Master/Slave	04A1
1187	--				04A2

1188 Current	0.01 A			04A3
1189 Peak Current	0.01 A			04A4
1190 Power Factor	0,001		negative values have MSB = 1	04A5
1191 Active Power	W			04A6
1192 Peak Active Power	W			04A7
1193 Apparent Power	VA			04A8
1194 Active Energy High Byte	0.1 kWh			04A9
1195 Active Energy Low Byte	0.1 kWh			04AA
1196 Custom Active Energy High	0.1 kWh			04AB
1197 Custom Active EnergyLow B	0.1 kWh			04AC
1198 Apparent Energy High Byte	0.1 kVAh			04AD
1199 Apparent Energy Low Byte	0.1 kVAh			04AE
1200				04AF
1201 Type	digit	Socket 45	Only Master/Slave	04B0
1202 --				04B1
1203 Current	0.01 A			04B2
1204 Peak Current	0.01 A			04B3
1205 Power Factor	0,001		negative values have MSB = 1	04B4
1206 Active Power	W			04B5
1207 Peak Active Power	W			04B6
1208 Apparent Power	VA			04B7
1209 Active Energy High Byte	0.1 kWh			04B8
1210 Active Energy Low Byte	0.1 kWh			04B9
1211 Custom Active Energy High	0.1 kWh			04BA
1212 Custom Active EnergyLow B	0.1 kWh			04BB
1213 Apparent Energy High Byte	0.1 kVAh			04BC
1214 Apparent Energy Low Byte	0.1 kVAh			04BD
1215				04BE
1216 Type	digit	Socket 46	Only Master/Slave	04BF
1217 --				04C0
1218 Current	0.01 A			04C1
1219 Peak Current	0.01 A			04C2
1220 Power Factor	0,001		negative values have MSB = 1	04C3

1221 Active Power	W				04C4
1222 Peak Active Power	W				04C5
1223 Apparent Power	VA				04C6
1224 Active Energy High Byte	0.1 kWh				04C7
1225 Active Energy Low Byte	0.1 kWh				04C8
1226 Custom Active Energy High	0.1 kWh				04C9
1227 Custom Active EnergyLow B	0.1 kWh				04CA
1228 Apparent Energy High Byte	0.1 kVAh				04CB
1229 Apparent Energy Low Byte	0.1 kVAh				04CC
1230					04CD
1231 Type	digit	Socket 47	Only Master/Slave		04CE
1232 --					04CF
1233 Current	0.01 A				04D0
1234 Peak Current	0.01 A				04D1
1235 Power Factor	0,001		negative values have MSB = 1		04D2
1236 Active Power	W				04D3
1237 Peak Active Power	W				04D4
1238 Apparent Power	VA				04D5
1239 Active Energy High Byte	0.1 kWh				04D6
1240 Active Energy Low Byte	0.1 kWh				04D7
1241 Custom Active Energy High	0.1 kWh				04D8
1242 Custom Active EnergyLow B	0.1 kWh				04D9
1243 Apparent Energy High Byte	0.1 kVAh				04DA
1244 Apparent Energy Low Byte	0.1 kVAh				04DB
1245					04DC
1246 Type	digit	Socket 48	Only Master/Slave		04DD
1247 --					04DE
1248 Current	0.01 A				04DF
1249 Peak Current	0.01 A				04E0
1250 Power Factor	0,001		negative values have MSB = 1		04E1
1251 Active Power	W				04E2
1252 Peak Active Power	W				04E3
1253 Apparent Power	VA				04E4

1254	Active Energy High Byte	0.1 kWh		04E5
1255	Active Energy Low Byte	0.1 kWh		04E6
1256	Custom Active Energy High	0.1 kWh		04E7
1257	Custom Active EnergyLow B	0.1 kWh		04E8
1258	Apparent Energy High Byte	0.1 kVAh		04E9
1259	Apparent Energy Low Byte	0.1 kVAh		04EA
1260				04EB
1261	Type	digit Sensor 1	1: Temperature, 2: Combination, 3: GPIO, 4: Door	04EC
1262	--			04ED
1263	Sensor Variable 1			04EE
1264	Sensor Variable 2			04EF
1265	Sensor Variable 3			04F0
1266	Sensor Variable 4			04F1
1267	Sensor Variable 5			04F2
1268	Sensor Variable 6			04F3
1269	Sensor Variable 7			04F4
1270	Sensor Variable 8			04F5
1271				04F6
1272	Type	digit Sensor 2		04F7
1273	--			04F8
1274	Sensor Variable 1			04F9
1275	Sensor Variable 2			04FA
1276	Sensor Variable 3			04FB
1277	Sensor Variable 4			04FC
1278	Sensor Variable 5			04FD
1279	Sensor Variable 6			04FE
1280	Sensor Variable 7			04FF
1281	Sensor Variable 8			0500
1282				0501
1283	Type	digit Sensor 3		0502
1284	--			0503
1285	Sensor Variable 1			0504
1286	Sensor Variable 2			0505

1287 Sensor Variable 3		0506
1288 Sensor Variable 4		0507
1289 Sensor Variable 5		0508
1290 Sensor Variable 6		0509
1291 Sensor Variable 7		050A
1292 Sensor Variable 8		050B
1293		050C
1294 Type	digit Sensor 4	050D
1295 --		050E
1296 Sensor Variable 1		050F
1297 Sensor Variable 2		0510
1298 Sensor Variable 3		0511
1299 Sensor Variable 4		0512
1300 Sensor Variable 5		0513
1301 Sensor Variable 6		0514
1302 Sensor Variable 7		0515
1303 Sensor Variable 8		0516
1304		0517
1305 Type	digit Sensor 5	0518
1306 --		0519
1307 Sensor Variable 1		051A
1308 Sensor Variable 2		051B
1309 Sensor Variable 3		051C
1310 Sensor Variable 4		051D
1311 Sensor Variable 5		051E
1312 Sensor Variable 6		051F
1313 Sensor Variable 7		0520
1314 Sensor Variable 8		0521
1315		0522
1316 Type	digit Sensor 6	0523
1317 --		0524
1318 Sensor Variable 1		0525
1319 Sensor Variable 2		0526

1320 Sensor Variable 3		0527
1321 Sensor Variable 4		0528
1322 Sensor Variable 5		0529
1323 Sensor Variable 6		052A
1324 Sensor Variable 7		052B
1325 Sensor Variable 8		052C
1326		052D
1327 Type	digit Sensor 7	052E
1328 --		052F
1329 Sensor Variable 1		0530
1330 Sensor Variable 2		0531
1331 Sensor Variable 3		0532
1332 Sensor Variable 4		0533
1333 Sensor Variable 5		0534
1334 Sensor Variable 6		0535
1335 Sensor Variable 7		0536
1336 Sensor Variable 8		0537
1337		0538
1338 Type	digit Sensor 8	0539
1339 --		053A
1340 Sensor Variable 1		053B
1341 Sensor Variable 2		053C
1342 Sensor Variable 3		053D
1343 Sensor Variable 4		053E
1344 Sensor Variable 5		053F
1345 Sensor Variable 6		0540
1346 Sensor Variable 7		0541
1347 Sensor Variable 8		0542
1348		0543
1349 Type	digit Sensor 9	0544
1350 --		0545
1351 Sensor Variable 1		0546
1352 Sensor Variable 2		0547

1353 Sensor Variable 3				0548
1354 Sensor Variable 4				0549
1355 Sensor Variable 5				054A
1356 Sensor Variable 6				054B
1357 Sensor Variable 7				054C
1358 Sensor Variable 8				054D
1359				054E

2001 Type	digit	Device	Slave 1
2002 --		Device State	

…

4001 Type	digit	Device	Slave 2
4002 --		Device State	

…

6001 Type	digit	Device	Slave 3
6002 --		Device State	

…

8001 Type	digit	Device	Slave 4
8002 --		Device State	

…

10001 Type	digit	Device	Slave 5
10002 --		Device State	

…

12001 Type	digit	Device	Slave 6
12002 --		Device State	

…

14001 Type	digit	Device	Slave 7

14002 --   Device State

…

16001 Type   digit Device   Slave 8
16002 --   Device State

…

18001 Type   digit Device   Slave 9
18002 --   Device State

…

20001 Type   digit Device   Slave 10
20002 --   Device State

Read Input Register FC 0x04

Register	Variable Name	Measurement Point	Comment
1	--	Device	
2	State		Device State
3	Current		
4	--		
5	--		
6	--		
7	--		
8	--		
9	--		
10	--		
11	Current AC		
12	--		
13	Current DC		
14	--		
15			
16	--	Inlet C1	
17	State		Inlet State
18	Current		
19	--		
20	--		
21	--		
22	--		
23	--		
24	--		
25	--		
26	--		
27	Neutral Current		Only Master/Slave
28	--		
29	--		

30 --
31 --
32 Current AC
33 --
34 Current DC
35 --
36
37 -- Inlet C2
38 State Inlet State
39 Current
40 --
41 --
42 --
43 --
44 --
45 --
46 --
47 --
48 Neutral Current Only Master/Slave
49 --
50 --
51 --
52 --
53 Current AC
54 --
55 Current DC
56 --
57
58 -- Outlet C11 Only Power Unit Master/Slave, either a real outlet or a measurement group
59 State

60 Current

61 --

62 --

63 --

64 --

65 --

66 --

67 --

68 --

69 Neutral Current

70 --

71 --

72 --

73 --

74 Current AC

75 --

76 Current DC

77 --

78

79 --   Outlet C12   Only Power Unit Master/Slave, either a real outlet or a measurement group

80 State

81 Current

82 --

83 --

84 --

85 --

86 --

87 --

88 --

89 --

90 Neutral Current

91 --

92 --

93 --

94 --

95 Current AC

96 --

97 Current DC

98 --

99

100 --   Outlet C21   Only Power Unit Master/Slave, either a real outlet or a measurement group

101 State

102 Current

103 --

104 --

105 --

106 --

107 --

108 --

109 --

110 --

111 Neutral Current

112 --

113 --

114 --

115 --

116 Current AC

117 --

118 Current DC

119 --

120			
121	--	Outlet C22	Only Power Unit Master/Slave, either a real outlet or a measurement group
122	State		
123	Current		
124	--		
125	--		
126	--		
127	--		
128	--		
129	--		
130	--		
131	--		
132	Neutral Current		
133	--		
134	--		
135	--		
136	--		
137	Current AC		
138	--		
139	Current DC		
140	--		
141			
142	--	Phase C111	
143	State		
144	Voltage		
145	Current		
146	--		
147	Power Factor		
148	--		
149	--		

150 --

151 --

152 --

153 --

154 --

155 --

156 --

157 --

158 Current AC

159 --

160 Current DC

161 --

162

163 --   Phase C112

164 State

165 Voltage

166 Current

167 --

168 Power Factor

169 --

170 --

171 --

172 --

173 --

174 --

175 --

176 --

177 --

178 --

179 Current AC

180 --
181 Current DC
182 --
183
184 --   Phase C113
185 State
186 Voltage
187 Current
188 --
189 Power Factor
190 --
191 --
192 --
193 --
194 --
195 --
196 --
197 --
198 --
199 --
200 Current AC
201 --
202 Current DC
203 --
204
205 --   Phase C121
206 State
207 Voltage
208 Current
209 --

210 Power Factor

211 --

212 --

213 --

214 --

215 --

216 --

217 --

218 --

219 --

220 --

221 Current AC

222 --

223 Current DC

224 --

225

226 --   Phase C122

227 State

228 Voltage

229 Current

230 --

231 Power Factor

232 --

233 --

234 --

235 --

236 --

237 --

238 --

239 --

240 --
241 --
242 Current AC
243 --
244 Current DC
245 --
246
247 --   Phase C123
248 State
249 Voltage
250 Current
251 --
252 Power Factor
253 --
254 --
255 --
256 --
257 --
258 --
259 --
260 --
261 --
262 --
263 Current AC
264 --
265 Current DC
266 --
267
268 --   Phase C211
269 State

270 Voltage

271 Current

272 --

273 Power Factor

274 --

275 --

276 --

277 --

278 --

279 --

280 --

281 --

282 --

283 --

284 Current AC

285 --

286 Current DC

287 --

288

289 --   Phase C212

290 State

291 Voltage

292 Current

293 --

294 Power Factor

295 --

296 --

297 --

298 --

299 --

300 --

301 --

302 --

303 --

304 --

305 Current AC

306 --

307 Current DC

308 --

309

310 --   Phase C213

311 State

312 Voltage

313 Current

314 --

315 Power Factor

316 --

317 --

318 --

319 --

320 --

321 --

322 --

323 --

324 --

325 --

326 Current AC

327 --

328 Current DC

329 --

330
331 --   Phase C221
332 State
333 Voltage
334 Current
335 --
336 Power Factor
337 --
338 --
339 --
340 --
341 --
342 --
343 --
344 --
345 --
346 --
347 Current AC
348 --
349 Current DC
350 --
351
352 --   Phase C222
353 State
354 Voltage
355 Current
356 --
357 Power Factor
358 --
359 --

360 --

361 --

362 --

363 --

364 --

365 --

366 --

367 --

368 Current AC

369 --

370 Current DC

371 --

372

373 --   Phase C223

374 State

375 Voltage

376 Current

377 --

378 Power Factor

379 --

380 --

381 --

382 --

383 --

384 --

385 --

386 --

387 --

388 --

389 Current AC

390 --
391 Current DC
392 --
393
394 --   Fuse 1
395 State
396 Current
397
398 Type   Fuse 2
399 --
400 Current
401
402 --   Fuse 3
403 State
404 Current
405
406 --   Fuse 4
407 State
408 Current
409
410 --   Fuse 5
411 State
412 Current
413
414 --   Fuse 6
415 State
416 Current
417
418 --   Fuse 7
419 State

420	Current	
421		
422	--	Fuse 8
423	State	
424	Current	
425		
426	--	Fuse 9
427	State	
428	Current	
429		
430	--	Fuse 10
431	State	
432	Current	
433		
434	--	Fuse 11
435	State	
436	Current	
437		
438	--	Fuse 12
439	State	
440	Current	
441		
442	--	RCM 1
443	State	
444	Current AC	
445	--	
446	Current DC	
447	--	
448		
449	--	RCM 2

Register	Description	
450	State	
451	Current AC	
452	--	
453	Current DC	
454	--	
455		
456	--	RCM 3
457	State	
458	Current AC	
459	--	
460	Current DC	
461	--	
462		
463	--	RCM 4
464	State	
465	Current AC	
466	--	
467	Current DC	
468	--	
469		
470	--	RCM 5
471	State	
472	Current AC	
473	--	
474	Current DC	
475	--	
476		
477	--	RCM 6
478	State	
479	Current AC	

480 --
481 Current DC
482 --
483
484 --   RCM 7
485 State
486 Current AC
487 --
488 Current DC
489 --
490
491 --   RCM 8
492 State
493 Current AC
494 --
495 Current DC
496 --
497
498 --   RCM 9
499 State
500 Current AC
501 --
502 Current DC
503 --
504
505 --   RCM 10
506 State
507 Current AC
508 --
509 Current DC

510 --
511
512 --   RCM 11
513 State
514 Current AC
515 --
516 Current DC
517 --
518
519 --   RCM 12
520 Current AC
521 --
522 Current DC
523 --
524
525
526 --   Socket 1   Only Master/Slave
527 State
528 Current
529 --
530 Power Factor
531 --
532 --
533 --
534 --
535 --
536 --
537 --
538 --
539 --

540			
541	--	Socket 2	Only Master/Slave
542	State		
543	Current		
544	--		
545	Power Factor		
546	--		
547	--		
548	--		
549	--		
550	--		
551	--		
552	--		
553	--		
554	--		
555			
556	--	Socket 3	Only Master/Slave
557	State		
558	Current		
559	--		
560	Power Factor		
561	--		
562	--		
563	--		
564	--		
565	--		
566	--		
567	--		
568	--		
569	--		

570			
571	--	Socket 4	Only Master/Slave
572	State		
573	Current		
574	--		
575	Power Factor		
576	--		
577	--		
578	--		
579	--		
580	--		
581	--		
582	--		
583	--		
584	--		
585			
586	--	Socket 5	Only Master/Slave
587	State		
588	Current		
589	--		
590	Power Factor		
591	--		
592	--		
593	--		
594	--		
595	--		
596	--		
597	--		
598	--		
599	--		

600			
601	--	Socket 6	Only Master/Slave
602	State		
603	Current		
604	--		
605	Power Factor		
606	--		
607	--		
608	--		
609	--		
610	--		
611	--		
612	--		
613	--		
614	--		
615			
616	--	Socket 7	Only Master/Slave
617	State		
618	Current		
619	--		
620	Power Factor		
621	--		
622	--		
623	--		
624	--		
625	--		
626	--		
627	--		
628	--		
629	--		

630			
631	--	Socket 8	Only Master/Slave
632	State		
633	Current		
634	--		
635	Power Factor		
636	--		
637	--		
638	--		
639	--		
640	--		
641	--		
642	--		
643	--		
644	--		
645			
646	--	Socket 9	Only Master/Slave
647	State		
648	Current		
649	--		
650	Power Factor		
651	--		
652	--		
653	--		
654	--		
655	--		
656	--		
657	--		
658	--		
659	--		

660			
661	--	Socket 10	Only Master/Slave
662	State		
663	Current		
664	--		
665	Power Factor		
666	--		
667	--		
668	--		
669	--		
670	--		
671	--		
672	--		
673	--		
674	--		
675			
676	--	Socket 11	Only Master/Slave
677	State		
678	Current		
679	--		
680	Power Factor		
681	--		
682	--		
683	--		
684	--		
685	--		
686	--		
687	--		
688	--		
689	--		

690			
691	--	Socket 12	Only Master/Slave
692	State		
693	Current		
694	--		
695	Power Factor		
696	--		
697	--		
698	--		
699	--		
700	--		
701	--		
702	--		
703	--		
704	--		
705			
706	--	Socket 13	Only Master/Slave
707	State		
708	Current		
709	--		
710	Power Factor		
711	--		
712	--		
713	--		
714	--		
715	--		
716	--		
717	--		
718	--		
719	--		

Reg	Name	Description	Note
720			
721	--	Socket 14	Only Master/Slave
722	State		
723	Current		
724	--		
725	Power Factor		
726	--		
727	--		
728	--		
729	--		
730	--		
731	--		
732	--		
733	--		
734	--		
735			
736	--	Socket 15	Only Master/Slave
737	State		
738	Current		
739	--		
740	Power Factor		
741	--		
742	--		
743	--		
744	--		
745	--		
746	--		
747	--		
748	--		
749	--		

750			
751	--	Socket 16	Only Master/Slave
752	State		
753	Current		
754	--		
755	Power Factor		
756	--		
757	--		
758	--		
759	--		
760	--		
761	--		
762	--		
763	--		
764	--		
765			
766	--	Socket 17	Only Master/Slave
767	State		
768	Current		
769	--		
770	Power Factor		
771	--		
772	--		
773	--		
774	--		
775	--		
776	--		
777	--		
778	--		
779	--		

780		
781 --	Socket 18	Only Master/Slave
782 State		
783 Current		
784 --		
785 Power Factor		
786 --		
787 --		
788 --		
789 --		
790 --		
791 --		
792 --		
793 --		
794 --		
795		
796 --	Socket 19	Only Master/Slave
797 State		
798 Current		
799 --		
800 Power Factor		
801 --		
802 --		
803 --		
804 --		
805 --		
806 --		
807 --		
808 --		
809 --		

810			
811	--	Socket 20	Only Master/Slave
812	State		
813	Current		
814	--		
815	Power Factor		
816	--		
817	--		
818	--		
819	--		
820	--		
821	--		
822	--		
823	--		
824	--		
825			
826	--	Socket 21	Only Master/Slave
827	State		
828	Current		
829	--		
830	Power Factor		
831	--		
832	--		
833	--		
834	--		
835	--		
836	--		
837	--		
838	--		
839	--		

840			
841	--	Socket 22	Only Master/Slave
842	State		
843	Current		
844	--		
845	Power Factor		
846	--		
847	--		
848	--		
849	--		
850	--		
851	--		
852	--		
853	--		
854	--		
855			
856	--	Socket 23	Only Master/Slave
857	State		
858	Current		
859	--		
860	Power Factor		
861	--		
862	--		
863	--		
864	--		
865	--		
866	--		
867	--		
868	--		
869	--		

870			
871	--	Socket 24	Only Master/Slave
872	State		
873	Current		
874	--		
875	Power Factor		
876	--		
877	--		
878	--		
879	--		
880	--		
881	--		
882	--		
883	--		
884	--		
885			
886	--	Socket 25	Only Master/Slave
887	State		
888	Current		
889	--		
890	Power Factor		
891	--		
892	--		
893	--		
894	--		
895	--		
896	--		
897	--		
898	--		
899	--		

900			
901	--	Socket 26	Only Master/Slave
902	State		
903	Current		
904	--		
905	Power Factor		
906	--		
907	--		
908	--		
909	--		
910	--		
911	--		
912	--		
913	--		
914	--		
915			
916	--	Socket 27	Only Master/Slave
917	State		
918	Current		
919	--		
920	Power Factor		
921	--		
922	--		
923	--		
924	--		
925	--		
926	--		
927	--		
928	--		
929	--		

930			
931	--	Socket 28	Only Master/Slave
932	State		
933	Current		
934	--		
935	Power Factor		
936	--		
937	--		
938	--		
939	--		
940	--		
941	--		
942	--		
943	--		
944	--		
945			
946	--	Socket 29	Only Master/Slave
947	State		
948	Current		
949	--		
950	Power Factor		
951	--		
952	--		
953	--		
954	--		
955	--		
956	--		
957	--		
958	--		
959	--		

960
961 -- Socket 30 Only Master/Slave
962 State
963 Current
964 --
965 Power Factor
966 --
967 --
968 --
969 --
970 --
971 --
972 --
973 --
974 --
975
976 -- Socket 31 Only Master/Slave
977 State
978 Current
979 --
980 Power Factor
981 --
982 --
983 --
984 --
985 --
986 --
987 --
988 --
989 --

990			
991	--	Socket 32	Only Master/Slave
992	State		
993	Current		
994	--		
995	Power Factor		
996	--		
997	--		
998	--		
999	--		
1000	--		
1001	--		
1002	--		
1003	--		
1004	--		
1005			
1006	--	Socket 33	Only Master/Slave
1007	State		
1008	Current		
1009	--		
1010	Power Factor		
1011	--		
1012	--		
1013	--		
1014	--		
1015	--		
1016	--		
1017	--		
1018	--		
1019	--		

1020			
1021	--	Socket 34	Only Master/Slave
1022	State		
1023	Current		
1024	--		
1025	Power Factor		
1026	--		
1027	--		
1028	--		
1029	--		
1030	--		
1031	--		
1032	--		
1033	--		
1034	--		
1035			
1036	--	Socket 35	Only Master/Slave
1037	State		
1038	Current		
1039	--		
1040	Power Factor		
1041	--		
1042	--		
1043	--		
1044	--		
1045	--		
1046	--		
1047	--		
1048	--		
1049	--		

1050			
1051	--	Socket 36	Only Master/Slave
1052	State		
1053	Current		
1054	--		
1055	Power Factor		
1056	--		
1057	--		
1058	--		
1059	--		
1060	--		
1061	--		
1062	--		
1063	--		
1064	--		
1065			
1066	--	Socket 37	Only Master/Slave
1067	State		
1068	Current		
1069	--		
1070	Power Factor		
1071	--		
1072	--		
1073	--		
1074	--		
1075	--		
1076	--		
1077	--		
1078	--		
1079	--		

1080			
1081	--	Socket 38	Only Master/Slave
1082	State		
1083	Current		
1084	--		
1085	Power Factor		
1086	--		
1087	--		
1088	--		
1089	--		
1090	--		
1091	--		
1092	--		
1093	--		
1094	--		
1095			
1096	--	Socket 39	Only Master/Slave
1097	State		
1098	Current		
1099	--		
1100	Power Factor		
1101	--		
1102	--		
1103	--		
1104	--		
1105	--		
1106	--		
1107	--		
1108	--		
1109	--		

1110			
1111	--	Socket 40	Only Master/Slave
1112	State		
1113	Current		
1114	--		
1115	Power Factor		
1116	--		
1117	--		
1118	--		
1119	--		
1120	--		
1121	--		
1122	--		
1123	--		
1124	--		
1125			
1126	--	Socket 40	Only Master/Slave
1127	State		
1128	Current		
1129	--		
1130	Power Factor		
1131	--		
1132	--		
1133	--		
1134	--		
1135	--		
1136	--		
1137	--		
1138	--		
1139	--		

1140			
1141	--	Socket 41	Only Master/Slave
1142	State		
1143	Current		
1144	--		
1145	Power Factor		
1146	--		
1147	--		
1148	--		
1149	--		
1150	--		
1151	--		
1152	--		
1153	--		
1154	--		
1155			
1156	--	Socket 42	Only Master/Slave
1157	State		
1158	Current		
1159	--		
1160	Power Factor		
1161	--		
1162	--		
1163	--		
1164	--		
1165	--		
1166	--		
1167	--		
1168	--		
1169	--		

1170			
1171	--	Socket 43	Only Master/Slave
1172	State		
1173	Current		
1174	--		
1175	Power Factor		
1176	--		
1177	--		
1178	--		
1179	--		
1180	--		
1181	--		
1182	--		
1183	--		
1184	--		
1185			
1186	--	Socket 44	Only Master/Slave
1187	State		
1188	Current		
1189	--		
1190	Power Factor		
1191	--		
1192	--		
1193	--		
1194	--		
1195	--		
1196	--		
1197	--		
1198	--		
1199	--		

1200			
1201	--	Socket 45	Only Master/Slave
1202	State		
1203	Current		
1204	--		
1205	Power Factor		
1206	--		
1207	--		
1208	--		
1209	--		
1210	--		
1211	--		
1212	--		
1213	--		
1214	--		
1215			
1216	--	Socket 46	Only Master/Slave
1217	State		
1218	Current		
1219	--		
1220	Power Factor		
1221	--		
1222	--		
1223	--		
1224	--		
1225	--		
1226	--		
1227	--		
1228	--		
1229	--		

1230			
1231	--	Socket 47	Only Master/Slave
1232	State		
1233	Current		
1234	--		
1235	Power Factor		
1236	--		
1237	--		
1238	--		
1239	--		
1240	--		
1241	--		
1242	--		
1243	--		
1244	--		
1245			
1246	--	Socket 48	Only Master/Slave
1247	State		
1248	Current		
1249	--		
1250	Power Factor		
1251	--		
1252	--		
1253	--		
1254	--		
1255	--		
1256	--		
1257	--		
1258	--		
1259	--		

1260			
1261	--	Sensor 1	1: Temperature, 2: Combination, 3: GPIO, 4: Door
1262	State		Sensor State
1263	Sensor Variable 1		
1264	Sensor Variable 2		
1265	Sensor Variable 3		
1266	Sensor Variable 4		
1267	Sensor Variable 5		
1268	Sensor Variable 6		
1269	Sensor Variable 7		
1270	Sensor Variable 8		
1271			
1272	--	Sensor 2	
1273	State		
1274	Sensor Variable 1		
1275	Sensor Variable 2		
1276	Sensor Variable 3		
1277	Sensor Variable 4		
1278	Sensor Variable 5		
1279	Sensor Variable 6		
1280	Sensor Variable 7		
1281	Sensor Variable 8		
1282			
1283	--	Sensor 3	
1284	State		
1285	Sensor Variable 1		
1286	Sensor Variable 2		
1287	Sensor Variable 3		
1288	Sensor Variable 4		
1289	Sensor Variable 5		

1290 Sensor Variable 6
1291 Sensor Variable 7
1292 Sensor Variable 8
1293
1294 --   Sensor 4
1295 State
1296 Sensor Variable 1
1297 Sensor Variable 2
1298 Sensor Variable 3
1299 Sensor Variable 4
1300 Sensor Variable 5
1301 Sensor Variable 6
1302 Sensor Variable 7
1303 Sensor Variable 8
1304
1305 --   Sensor 5
1306 State
1307 Sensor Variable 1
1308 Sensor Variable 2
1309 Sensor Variable 3
1310 Sensor Variable 4
1311 Sensor Variable 5
1312 Sensor Variable 6
1313 Sensor Variable 7
1314 Sensor Variable 8
1315
1316 --   Sensor 6
1317 State
1318 Sensor Variable 1
1319 Sensor Variable 2

1320 Sensor Variable 3
1321 Sensor Variable 4
1322 Sensor Variable 5
1323 Sensor Variable 6
1324 Sensor Variable 7
1325 Sensor Variable 8
1326
1327 --   Sensor 7
1328 State
1329 Sensor Variable 1
1330 Sensor Variable 2
1331 Sensor Variable 3
1332 Sensor Variable 4
1333 Sensor Variable 5
1334 Sensor Variable 6
1335 Sensor Variable 7
1336 Sensor Variable 8
1337
1338 --   Sensor 8
1339 State
1340 Sensor Variable 1
1341 Sensor Variable 2
1342 Sensor Variable 3
1343 Sensor Variable 4
1344 Sensor Variable 5
1345 Sensor Variable 6
1346 Sensor Variable 7
1347 Sensor Variable 8
1348
1349 --   Sensor 8

Read Input Register FC 0x04

1350 State
1351 Sensor Variable 1
1352 Sensor Variable 2
1353 Sensor Variable 3
1354 Sensor Variable 4
1355 Sensor Variable 5
1356 Sensor Variable 6
1357 Sensor Variable 7
1358 Sensor Variable 8
…

| 2001 | -- | Device | Slave 1 |
| 2002 | State | | Device State |

…

| 4001 | -- | Device | Slave 2 |
| 4002 | State | | Device State |

…

| 6001 | -- | Device | Slave 3 |
| 6002 | State | | Device State |

…

| 8001 | -- | Device | Slave 4 |
| 8002 | State | | Device State |

…

| 10001 | -- | Device | Slave 5 |
| 10002 | State | | Device State |

…

12001 --	Device	Slave 6
12002 State		Device State

…

14001 --	Device	Slave 7
14002 State		Device State

…

16001 --	Device	Slave 8
16002 State		Device State

…

18001 --	Device	Slave 9
18002 State		Device State

…

20001 --	Device	Slave 10
20002 State		Device State

…