

MODBUS – Address table BR7000-T – V1.4
Grid parameters, stage information (read only)

Address			Register name	Description / Range of values / Examples															
DEC	HEX	H/L																	
3000	0B B8	H	Software version	Divide by 10 to get software version. e.g: 10 = V1.0															
		L	Device type	70 = BR7000															
3001	0B B9	W	Power-Scaling-Factor (PSF)	Multiplier for values of address 3002 .. 3017 Valid values: 1, 10, 100, 1000															
3002	0B BA	W	L1	Reactive power Signed 16bit integer. Unit var E.g.: 1000 * PSF = 10000var (If PSF = 10) → Negative values: over compensated															
3003	0B BB	W	L2																
3004	0B BC	W	L3																
3005	0B BD	W	SUM																
3006	0B BE	W	L1	Active power Signed 16bit integer. Unit W E.g.: 1000 * PSF = 10000W (If PSF = 10) → Negative values: energy supply (4-quadrant-mode)															
3007	0B BF	W	L2																
3008	0B C0	W	L3																
3009	0B C1	W	SUM																
3010	0B C2	W	L1	Apparent power Unsigned 16bit integer. Unit VA E.g.: 1000 * PSF = 10000VA (If PSF = 10)															
3011	0B C3	W	L2																
3012	0B C4	W	L3																
3013	0B C5	W	SUM																
3014	0B C6	W	L1	Differential reactive power Signed 16bit integer. Unit var E.g.: 1000 * PSF = 10000var (If PSF = 10) → Negative values: over compensated															
3015	0B C7	W	L2																
3016	0B C8	W	L3																
3017	0B C9	W	SUM																
3018	0B CA	W	L1	Measuring voltage Unsigned 16bit integer. Unit V E.g.: 230 = 230V															
3019	0B CB	W	L2																
3020	0B CC	W	L3																
3021	0B CD	W	L1	Measuring current Unsigned 16bit integer. Unit A E.g.: 1000 = 1000A															
3022	0B CE	W	L2																
3023	0B CF	W	L3																
3024	0B D0	W	L1	Power factor cos-phi Signed 16bit integer - Unit 1. Examples: Valid range -999 .. 0 .. 1000															
3025	0B D1	W	L2		<table border="1"> <thead> <tr> <th rowspan="2">Hex</th> <th colspan="2">Value</th> </tr> <tr> <th>Decimal</th> <th>Value of power factor / cos-phi</th> </tr> </thead> <tbody> <tr> <td>0h0320</td> <td>800</td> <td>0.800 ind</td> </tr> <tr> <td>0h03E8</td> <td>1000</td> <td>1.000</td> </tr> <tr> <td>0hFCE0</td> <td>-800</td> <td>0.800 cap</td> </tr> </tbody> </table>	Hex	Value		Decimal	Value of power factor / cos-phi	0h0320	800	0.800 ind	0h03E8	1000	1.000	0hFCE0	-800	0.800 cap
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3026	0B D2	W	L3																
3027	0B D3	W	SUM																
3028	0B D4	L	L1	Frequency Byte Unit Hz E.g.: 50 = 50Hz															
3029	0B D5	L	L2																
3030	0B D6	L	L3																

3031	0B D7	W	Temperature in °C	Signed 16bit integer - Unit °C. Examples:																														
				<i>Hex value</i>	<i>Temp.</i>	<i>Hex value</i>	<i>Temp.</i>																											
				0h0010	10°C	0hFFFF	-1°C																											
				0h0001	1°C	0hFFF6	-10°C																											
3032.. 3035	0B D8 0C DB																																	
3036	0B DC	L	Control direction	<table border="1"> <thead> <tr> <th><i>Bit</i></th> <th>7</th> <th>6</th> <th>5</th> <th>4</th> <th>3</th> <th>2</th> <th>1</th> <th>0</th> </tr> </thead> <tbody> <tr> <td><i>Phase</i></td> <td colspan="2">SUM</td> <td colspan="2">L3</td> <td colspan="2">L2</td> <td colspan="2">L1</td> </tr> </tbody> </table>				<i>Bit</i>	7	6	5	4	3	2	1	0	<i>Phase</i>	SUM		L3		L2		L1										
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				0	0	0	-																											
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				2	1	0	Stop																											
				3	1	1	Switch-on																											
3037	0B DD	H	L2	<table border="1"> <thead> <tr> <th><i>Decimal value</i></th> <th><i>Bit number</i></th> <th><i>Description</i></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bit0</td> <td>No measuring voltage</td> </tr> <tr> <td>2</td> <td>Bit1</td> <td>Over voltage</td> </tr> <tr> <td>4</td> <td>Bit2</td> <td>Over compensated</td> </tr> </tbody> </table>				<i>Decimal value</i>	<i>Bit number</i>	<i>Description</i>	1	Bit0	No measuring voltage	2	Bit1	Over voltage	4	Bit2	Over compensated															
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3042	0B E2	W		0,1	Setting 2nd cos phi: 0= Off, 1= Timer, 2= export energy
				2	Timer ON (timer is between ON and OFF time)
				3	Export energy flag L1
				4	Export energy flag L2
				5	Export energy flag L3
				6	Export energy flag SUM
				7	2nd parameter set active
				8	External input active
				9	Input status of external MMI (remote meas. mode)
3043	0B E3	H			Internal Clock - Minute
		L			Internal Clock - Second
3044	0B E4	H			Intern. Calendar - Day
		L			Internal Clock - Hour
3045	0B E5	H			Intern. Calendar - Year
		L			Intern. Calendar - Month
3046	0B E6	W			Last pressed key -1-
				<i>Value</i>	<i>Key</i>
				1234	AUTO
				2345	ENTER
				3456	HELP
				4567	ESC
3047	0B E7	L			Last pressed key -2-
				<i>Value</i>	<i>Key</i>
				Reg.Value +1	PLUS
				Reg.Value -1	MINUS
3048	0B E8	L			Test state
				<i>Bit</i>	<i>Taste</i>
				6	After manual-calibration
				7	After calibration at test stand
				Register value 0 = main-reset executed	
3049.. 3072	0B E7 0C 00				
3073.. 3087	0C 01 0C 0F	W	L1		Voltage
3088.. 3102	0C 10 0C 1E	W	L2		3 rd .. 31 st Harmonics
3103.. 3117	0C 1F 0C 2D	W	L3		
3118.. 3132	0C 2E 0C 3C	W	L1		Current
3133.. 3147	0C 3D 0C 4B	W	L2		3 rd .. 31 st Harmonics
3148.. 3162	0C 4C 0C 5A	W	L3		
3163 3164	0C 5B 0C 5C	W	L1 L2		THD-V
3165	0C 5D	W	L3		
3166 3167	0C 5E 0C 5F	W	L1 L2		THD-I
3168	0C 60	W	L3		

3169.. 3213	0C 61 0C 8D															
3214	0C 8E	L		Start-up picture	<table border="1"> <thead> <tr> <th>Value</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>EPC</td> </tr> <tr> <td>1</td> <td>EBE</td> </tr> <tr> <td>2</td> <td>MDL</td> </tr> <tr> <td>3</td> <td>ESK</td> </tr> </tbody> </table>	Value	Name	0	EPC	1	EBE	2	MDL	3	ESK	
Value	Name															
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3	ESK															
3215..	0C 93															
3226	0C 9A	WW	L1	Timestamp												
3228	0C 9C	WW	L2	Maximum												
3230	0C 9E	WW	L3	Voltage												
3232	0C A0	WW	L1	Timestamp	<table border="1"> <thead> <tr> <th>Bit</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0 .. 16</td> <td>Time in seconds per day (0 .. 86399)</td> </tr> <tr> <td>17 .. 21</td> <td>Day (1 .. 31)</td> </tr> <tr> <td>22 .. 25</td> <td>Month (1 .. 12)</td> </tr> <tr> <td>26 .. 31</td> <td>Year + 2000 (E.g.: 10 → 2010)</td> </tr> </tbody> </table>	Bit	Description	0 .. 16	Time in seconds per day (0 .. 86399)	17 .. 21	Day (1 .. 31)	22 .. 25	Month (1 .. 12)	26 .. 31	Year + 2000 (E.g.: 10 → 2010)	
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3234	0C A2	WW	L2	Maximum												
3236	0C A4	WW	L3	Current												
3238	0C A6	WW	L1	Timestamp												
3240	0C A8	WW	L2	Maximum												
3242	0C AA	WW	L3	Reactive power												
3244	0C AC	WW	L1	Timestamp												
3246	0C AE	WW	L2	Maximum												
3248	0C B0	WW	L3	Active power												
3250	0C B2	WW	L1	Timestamp												
3252	0C B4	WW	L2	Maximum												
3254	0C B6	WW	L3	Apparent power												
3256	0C B8	WW	L1	Timestamp	<table border="1"> <thead> <tr> <th>Bit</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0 .. 16</td> <td>Time in seconds per day (0 .. 86399)</td> </tr> <tr> <td>17 .. 21</td> <td>Day (1 .. 31)</td> </tr> <tr> <td>22 .. 25</td> <td>Month (1 .. 12)</td> </tr> <tr> <td>26 .. 31</td> <td>Year + 2000 (E.g.: 10 → 2010)</td> </tr> </tbody> </table>	Bit	Description	0 .. 16	Time in seconds per day (0 .. 86399)	17 .. 21	Day (1 .. 31)	22 .. 25	Month (1 .. 12)	26 .. 31	Year + 2000 (E.g.: 10 → 2010)	
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3258	0C BA	WW	L2	Maximum												
3260	0C BC	WW	L3	Frequency												
3262	0C BE	WW		Timestamp max. Temperature												
3264	0C C0	WW	L1	Timestamp												
3266	0C C2	WW	L2	Maximum												
3268	0C C4	WW	L3	Voltage THD												
3270	0C C6	WW	L1	Timestamp												
3272	0C C8	WW	L2	Maximum												
3274	0C CA	WW	L3	Current THD												
3276	0C CC	W	L1	Minimum Voltage	Unsigned 16bit integer. Unit V E.g.: 230 = 230V											
3277	0C CD	W	L2													
3278	0C CE	W	L3													
3279	0C CF	W	L1	Maximum Voltage	Unsigned 16bit integer. Unit V E.g.: 230 = 230V											
3280	0C D0	W	L2													
3281	0C D1	W	L3													
3282	0C D2	W	L1	Maximum Current	Unsigned 16bit integer. Unit A E.g.: 100 = 100V											
3283	0C D3	W	L2													
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3285	0C D5	W		Max. Power Scaling Factor (MPSF)	Multiplier for values of address 3286 .. 3297 Valid values: 1, 10, 100, 1000																																																																																	
3286	0C D6	W	L1	Maximum Reactive power	Unsigned 16bit integer. Unit var E.g.: 1000 * MPSF = 10000var (If MPSF = 10)																																																																																	
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Phase	12 th stage		11 th stage		10 th stage		9 th stage																																																																															
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Phase	-		15 th stage		14 th stage		13 th stage																																																																															

3389.. 3403	0D 3D 0D 4B	W	Stage quantification L1 Stage 1 .. max.15	Unsigned 16bit integer. E.g.: 4 → 4 times power 1 st stage
3404.. 3418	0D 4D 0D 5A	W	Stage quantification L2 Stage 1 .. max.15	
3419.. 3433	0D 5B 0D 69	W	Stage quantification L3 Stage 1 .. max.15	
3434.. 3448	0D 67 0D 78	W	Stage quantification SUM Stage 1 .. max.15	
3449.. 3704	0D 79 0E 78			
3705, 3706	0E 79 0E 7A	WW	Controller operation time	Unsigned 32bit long. Unit min E.g.: Low = 34464, High= 1 → 100k * min

Controller settings (read / write)

Address		H/L	Register name	Description / Range of values / Examples																																																				
Code R= 3	Code W= 6			Measuring / IN				Controlling / Endstop			ext.																																													
				Nr.	Byte	L1	L2	L3	Sum	L1	L2	L3	BR7001																																											
3173	101	H	Language	0= German, 1= English, 2= Spanish, 3= Turkish, 4= Russian ..																																																				
		L	Measuring- / Controlling mode	1	0	x	x	x	L-N:	5	5	5																																												
				2	1	x	x	x	remain	4	4	4																																												
				3	2	x	x	x	L-L:	5	5	5																																												
				4	3	x	x	x	15																																															
				5	4	SUM			15																																															
				6	5	SUM			11	12	15																																													
				7	6	x	x	x	L-N:	5	5	5		1																																										
				8	7	x	x	x	L-N:	5	5	5		2																																										
				9	8	x	x	x	L-L:	5	5	5		1																																										
				10	9	x	x	x	L-L:	5	5	5		2																																										
				11	10	x	x	x	15					1																																										
				12	11	x	x	x	15					2																																										
				13	12	SUM			15					1																																										
				14	13	SUM			15					2																																										
				15	14	x	x	x	15					Coupled																																										
				16	15	SUM			15					Coupled																																										
3174	102	H	L1	<table border="1"> <thead> <tr> <th>Valid values</th> <th>Start</th> <th>End</th> <th>Step width</th> </tr> </thead> <tbody> <tr> <td>1 .. 50</td> <td>5A</td> <td>250A</td> <td>5A</td> </tr> <tr> <td>51 .. 175</td> <td>260A</td> <td>1.5kA</td> <td>10A</td> </tr> <tr> <td>176 .. 185</td> <td>1.55kA</td> <td>2kA</td> <td>50A</td> </tr> <tr> <td>186 .. 245</td> <td>2.1kA</td> <td>8kA</td> <td>100A</td> </tr> <tr> <td>246 .. 255</td> <td>8.5kA</td> <td>13kA</td> <td>500A</td> </tr> </tbody> </table>										Valid values	Start	End	Step width	1 .. 50	5A	250A	5A	51 .. 175	260A	1.5kA	10A	176 .. 185	1.55kA	2kA	50A	186 .. 245	2.1kA	8kA	100A	246 .. 255	8.5kA	13kA	500A																			
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		L	L2	Primary current converter																																																				
			L3																																																					
3175	103	L		Secondary current converter	Valid values: 0 = 1A / 1 = 5A																																																			
3176	104	H	L1	Endstop	Byte. Valid range: 1 .. max. endstop - see table at register 3173																																																			
		L	L2																																																					
3177	105	H	L3																																																					
		L	SUM																																																					
3178	106	H	L1	Control series	<table border="1"> <thead> <tr> <th>Valid values</th> <th>Series</th> <th>Valid values</th> <th>Series</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1:1:1:1:1 ...</td> <td>11</td> <td>1:1:2:4:4...</td> </tr> <tr> <td>2</td> <td>1:2:2:2:2 ...</td> <td>12</td> <td>1:1:2:4:8...</td> </tr> <tr> <td>3</td> <td>1:2:3:3:3 ...</td> <td>13</td> <td>1:1:1:2:2...</td> </tr> <tr> <td>4</td> <td>1:2:3:4:4 ...</td> <td>14</td> <td>1:1:1:2:3...</td> </tr> <tr> <td>5</td> <td>1:2:4:4:4...</td> <td>15</td> <td>1:1:1:2:4...</td> </tr> <tr> <td>6</td> <td>1:2:3:6:1...</td> <td>16</td> <td>1:1:1:2:5...</td> </tr> <tr> <td>7</td> <td>1:2:4:8:8...</td> <td>17</td> <td>1:1:1:1:2...</td> </tr> <tr> <td>8</td> <td>1:1:2:2:2...</td> <td>18</td> <td>1:1:1:1:3...</td> </tr> <tr> <td>9</td> <td>1:1:2:3:3...</td> <td>19</td> <td>1:1:1:1:4...</td> </tr> <tr> <td>10</td> <td>1:1:2:3:6...</td> <td>20</td> <td>1:1:1:1:5...</td> </tr> <tr> <td></td> <td></td> <td>21</td> <td>Series editor</td> </tr> </tbody> </table>				Valid values	Series	Valid values	Series	1	1:1:1:1:1 ...	11	1:1:2:4:4...	2	1:2:2:2:2 ...	12	1:1:2:4:8...	3	1:2:3:3:3 ...	13	1:1:1:2:2...	4	1:2:3:4:4 ...	14	1:1:1:2:3...	5	1:2:4:4:4...	15	1:1:1:2:4...	6	1:2:3:6:1...	16	1:1:1:2:5...	7	1:2:4:8:8...	17	1:1:1:1:2...	8	1:1:2:2:2...	18	1:1:1:1:3...	9	1:1:2:3:3...	19	1:1:1:1:4...	10	1:1:2:3:6...	20	1:1:1:1:5...			21	Series editor
Valid values	Series	Valid values	Series																																																					
1	1:1:1:1:1 ...	11	1:1:2:4:4...																																																					
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		L	L2																																																					
3179	107	H	L3																																																					
		L	SUM																																																					

3180	108	H	Control mode	<table border="1"> <thead> <tr> <th>Valid values</th> <th>Control mode</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Sequent / LIFO</td> </tr> <tr> <td>1</td> <td>Loop / FIFO</td> </tr> <tr> <td>2</td> <td>Intelligent</td> </tr> <tr> <td>3</td> <td>Combi-detuning</td> </tr> </tbody> </table>		Valid values	Control mode	0	Sequent / LIFO	1	Loop / FIFO	2	Intelligent	3	Combi-detuning									
				Valid values	Control mode																			
				0	Sequent / LIFO																			
				1	Loop / FIFO																			
2	Intelligent																							
3	Combi-detuning																							
3180	108	L	L1	Power 1 st step (int.)	Integer value: Valid range: 0 .. 255kvar / 0 .. 2550kvar Unit kvar																			
3181	109	H		Power 1 st step(dec)																				
3182	110	L	L2	Power 1 st step (int.)	Decimal value: Valid range: 0 .. 99 / 128 If 128 → multiply integer value with 10																			
				Power 1 st step(dec)																				
				3183	111	H	L3	Power 1 st step(dec)	Examples: int. = 12, dec. = 50 → 1 st step = 12.50 kvar int. = 50, dec. = 128 → 1 st step = 500 kvar															
						L	SUM	Power 1 st step (int.)																
		H		Power 1 st step(dec)																				
3184	112	L	Target cos phi	<table border="1"> <thead> <tr> <th>Byte</th> <th>Value</th> <th>Cos phi</th> </tr> </thead> <tbody> <tr> <td>Valid range: 30 .. 170</td> <td>80</td> <td>0.80cap</td> </tr> <tr> <td>Examples:</td> <td>100</td> <td>1.00</td> </tr> <tr> <td></td> <td>120</td> <td>0.80ind</td> </tr> </tbody> </table>		Byte	Value	Cos phi	Valid range: 30 .. 170	80	0.80cap	Examples:	100	1.00		120	0.80ind							
Byte	Value	Cos phi																						
Valid range: 30 .. 170	80	0.80cap																						
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3185	113	H	Enable	<table border="1"> <thead> <tr> <th>Valid values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>No</td> </tr> <tr> <td>2</td> <td>Timer</td> </tr> <tr> <td>3</td> <td>Energy supply</td> </tr> </tbody> </table>		Valid values	Description	1	No	2	Timer	3	Energy supply											
			Valid values	Description																				
1	No																							
2	Timer																							
3	Energy supply																							
		L	2 nd target cos phi	See register 3184																				
3186	114	H	Start timer - Hours	Unit hour, valid range: 0 .. 23																				
			L	Start timer - Minutes	Unit minutes, valid range: 0 .. 59																			
3187	115	H	Start timer - Weekday	Valid values: 7 .. 17: 7= Sunday, 8= Monday, 9= Tuesday .. 14= Mo-Fr, 15= Mo-Sa, 16= Mo-Su, 17= Sa/Su																				
			L	End timer - Hours	Unit hour, valid range: 0 .. 23																			
3188	116	H	End timer - Minutes	Unit minutes, valid range: 0 .. 59																				
			L	End timer - Weekday	Valid range: 7 .. 17: 7= Sunday, 8= Monday, 9= Tuesday .. 14= Mo-Fr, 15= Mo-Sa, 16= Mo-Su, 17= Sa/Su																			
3189	117	H	Measuring voltage L-L	Byte, valid range: 10 .. 152 - Unit 5V Range: 50V .. 760V E.g.: Byte * 5V = Measuring voltage → 100 * 5V = 500V																				
			L	Voltage converter	<table border="1"> <thead> <tr> <th>Valid values</th> <th>Start</th> <th>End</th> <th>Step width</th> </tr> </thead> <tbody> <tr> <td>0</td> <td colspan="3">not used</td> </tr> <tr> <td>1 .. 59</td> <td>410</td> <td>1kV</td> <td>10V</td> </tr> <tr> <td>60 .. 189</td> <td>1.1kV</td> <td>14kV</td> <td>100V</td> </tr> <tr> <td>190 .. 255</td> <td>15kV</td> <td>79kV</td> <td>1000V</td> </tr> </tbody> </table>			Valid values	Start	End	Step width	0	not used			1 .. 59	410	1kV	10V	60 .. 189	1.1kV	14kV	100V	190 .. 255
Valid values	Start	End	Step width																					
0	not used																							
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3190	118	H	Grid-Frequency	<table border="1"> <thead> <tr> <th>Valid values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>50Hz</td> </tr> <tr> <td>1</td> <td>60Hz</td> </tr> </tbody> </table>			Valid values	Description	0	50Hz	1	60Hz												
			Valid values	Description																				
0	50Hz																							
1	60Hz																							
		L	Switch-on time																					
3191	119	H	Switch-off time	<table border="1"> <thead> <tr> <th>Valid values</th> <th>Start</th> <th>End</th> <th>Step width</th> </tr> </thead> <tbody> <tr> <td>1 .. 120</td> <td>1 sec</td> <td>120 sec</td> <td>1 sec</td> </tr> <tr> <td>121 .. 138</td> <td>3 min</td> <td>20 min</td> <td>1 min</td> </tr> </tbody> </table>			Valid values	Start	End	Step width	1 .. 120	1 sec	120 sec	1 sec	121 .. 138	3 min	20 min	1 min						
			Valid values	Start	End	Step width																		
1 .. 120	1 sec	120 sec	1 sec																					
121 .. 138	3 min	20 min	1 min																					
		L	Discharge time	E.g: 40 = 40 sec / 122 = 4 min																				

3192	120	H	Alarm temperature	Byte, valid range: 20 .. 80 – Unit °C, E.g.: 50 = 50°C
		L	Fan start-up temperature	Byte, valid range: 15 .. 70 – Unit °C, E.g.: 50 = 50°C
3193	121	H	Function message relays	Byte, valid range: 4 .. 6 4= OFF, 5= Energy supply, 6= Undercurrent, 7= Harmonics, 8= Error cap. current, 9= Error COM1, 10= Error COM2, 11 = Error COM1/2
		L	External input (2 nd para-set)	Byte, valid range: 12 .. 16 12= No, 13= 2 nd parameter set, 14= External error, 15= Parallel coupling, 16= Master-slave coupling
3194	122	H	L1	See register 3174
		L	L2	
		L	L3	
3195	123	H	Primary current converter	Valid values: 0 = 1A / 1 = 5A
		L	Secondary current converter	
3196	124	H	L1	Byte. Valid range: 1 .. max. endstop - see table at register 3173
		L	L2	
3197	125	H	L3	
		L	SUM	
3198	126	H	L1	See register 3178
		L	L2	
3199	127	H	L3	
		L	SUM	
3200	128	H	Control mode	See register 3180
		L	L1	See register 3181
3201	129	H	Power 1 st step (int.)	
		L	Power 1 st step(dec)	
3202	130	H	Power 1 st step (int.)	
		L	Power 1 st step(dec)	
3203	131	H	Power 1 st step (int.)	
		L	Power 1 st step(dec)	
		L	Power 1 st step (int.)	
3204	132	H	SUM	
		L	Power 1 st step(dec)	
		L	Target cos phi	See register 3184
3205	133	H	Enable 2 nd target cos phi	See register 3185
		L	2 nd target cos phi	
3206	134	H	Start timer - Hours	See register 3186
		L	Start timer - Minutes	
3207	135	H	Start timer - Weekday	See register 3187
		L	End timer - Hours	
3208	136	H	End timer - Minutes	See register 3188
		L	End timer - Weekday	
3209	137	H	Switch-on time	See register 3190
		L	Switch-off time	
3210	138	H	Discharge time	See register 3191
		L	Threshold THD-V	Byte, valid range: 10 .. 255 - Unit 0.1% Range: 1.0% .. 25.5% E.g.: Byte * 0.1% = Threshold THD-V → 100 * 0.1% = 10.0%
3211.. 3213	139.. 141			Reserved

3214	142	W	Start-up picture	<i>Valid values</i>	<i>Name</i>
				0	EPC
				1	EBE
				2	MDL
				3	ESK
142.. 199			Reserved		
-	200	W	Reset controller memory registers	<i>Valid values</i>	<i>Reset</i>
				0x5555	Max. grid parameters
				0xAAAA	
201.. 254			Reserved		
3048	255	L	"Hauptreset" / Set Testmode	<i>Valid values</i>	<i>Function</i>
				55	"Hauptreset"
				110	Testmode
				After "Hauptreset" the function will be disabled.	

[Remote \(read / write\)](#)

Address		H/L	Register name	Description / Range of values / Examples																																																															
<i>Code</i> R= 3	<i>Code</i> W= 6																																																																		
		H	Number of steps to switch	Valid range 1..X (X = settings at EXPERT-MODE, PW= 6343) Unit steps Example: 3 → switch-on / -off 3 steps																																																															
3036	40	L	Control direction	<table border="1"> <thead> <tr> <th>Bit</th> <th>7</th> <th>6</th> <th>5</th> <th>4</th> <th>3</th> <th>2</th> <th>1</th> <th>0</th> </tr> </thead> <tbody> <tr> <td>Phase</td> <td colspan="2">SUM</td> <td colspan="2">L3</td> <td colspan="2">L2</td> <td colspan="2">L1</td> </tr> <tr> <td><i>Dec.</i></td> <td colspan="2"></td> <td colspan="6"><i>Description</i></td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td colspan="6">-</td> </tr> <tr> <td>1</td> <td>0</td> <td>1</td> <td colspan="6">Switch-off</td> </tr> <tr> <td>2</td> <td>1</td> <td>0</td> <td colspan="6">Stop</td> </tr> <tr> <td>3</td> <td>1</td> <td>1</td> <td colspan="6">Switch-on</td> </tr> </tbody> </table>	Bit	7	6	5	4	3	2	1	0	Phase	SUM		L3		L2		L1		<i>Dec.</i>			<i>Description</i>						0	0	0	-						1	0	1	Switch-off						2	1	0	Stop						3	1	1	Switch-on					
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History

V1.4

- Initial Version