MPR-1003 Relay - Software Versions (1.67)															
			MPR-100	3 - MC	DDB	US ME	MORY	MAP							
Add (Hex)	MODBUS REG. ADD (Dec)	Size	Description	Unit	Min	Step 1	Level 1	Step 2	Level 2	Step 3	Max	Initial Value	Format	Associated Command	Read/ Write
0000	300001	1 W	Product Code									70	2		R
0001	300002	1 W	Product Model									3	2		R
0002	300003	1 W	V Version Number									1,67	6		R
0003	300004	1 W	Product Language									1	2		R
0004	300005	124 W	Reserved												
0080	400129	1 W	Command Operation Code										7000		w
0081	400130	1 W	Command Password										2		W
0082	300131	14 W	Reserved												
0090	400145	2 W	Date & Time Preset Data										6408	5	R/W
0092	400147	10 W	Reserved												
009C	400157	1 W	Access Code Preset		1111	1					9999		10	13	R/W
009D	400158	21 W	Reserved												
00B2	400179	1 W	K TA Preset		800	1					1200	1000	2	26	R/W
00B3	400180	1 W	K TV Preset		800	1					1200	1000	2	25	R/W
00B4	400181	1 W	Phi TA/TV Preset	0	-5	0,01					5	0	5	27	R/W
00B5	300182	10 W	Reserved												
00BF	400192	8 W	BLE Device Name Preset										6410	4	R/W
00C7	400200	57 W	Reserved												
0100	400257	1 W	Display Contrast		1	1					10	5	2		R/W
0101	400258	1 W	Display Brightness		0	1					10	5	2		R/W
0102	400259	1 W	System Frequency	Hz	0	1					1	0	6401		R/W
0103	400260	1 W	Phase CT Rating Primary		0	1					9	4	6402		R/W
0104	400261	1 W	Phase Custom CT Ratio		5	1	10	5	500	50	6000	100	2		R/W
0105	400262	1 W	Number of Turns		1	1					5	1	2		R/W
0106	400263	1 W	Ground Sensing		0	1					1	1	6630		R/W
0107	400264	1 W	Ground CT Ratio		50	5	500	10	1000	50	5000	500	2		R/W
0108	400265	1 W	Vt Connection		0	1					3	1	6404		R/W
0109	400266	1 W	Vt Rated Secondary	V	80	1					480	100	2		R/W
010A	400267	2 W	Vt Rated Primary	V	80	5	500	50	1000	500	10000	1000	2		R/W
010C	400269	1 W	Command		0	1					3	3	7041		R/W
010D	400270	1 W	Trip Relay		1	1					4	2	7014		R/W
010E	400271	1 W	Out Of Service Relay		0	1					1	0	7015		R/W
010F	400272	1 W	Power Contact Failure		0	1					4	0	7013		R/W
0110	300273	2 W	Reserved												
0112	400275	1 W	Aux1 Relay Mode		0	1					1	0	6614		R/W
0113	400276	1 W	Aux2 Relay Mode		0	1					1	0	6614		R/W
0114	400277	1 W	Aux3 Relay Mode		0	1					1	0	6614		R/W
0115	400278	1 W	Aux1 Relay Non Operating State		0	1					1	0	7040		R/W
0116	400279	1 W	Aux2 Relay Non Operating State		0	1					1	0	7040		R/W
0117	400280	1 W	Aux3 Relay Non Operating State		0	1					1	0	7040		R/W
0118	300281	9 W	Reserved												
0121	400290	1 W	Motor Full Load Current	A	0,5	0,1	10	1	200	10	5000	100	4		R/W
0122	400291	1 W	Thermal Capacity Curve Class		0	1					12	1	933		R/W
0123	400292	1 W	Overload Pickup Level	%	10	1					150	101	2		R/W
0124	400293	1 W	Hot Cold Ratio	%	1	1					100	90	2		R/W
0125	400294	1 W	Negative Sequence Factor		0	1					12	0	2		R/W
0126	400295	1 W	Cooling Time Stopped	min	0	1					720	30	2		R/W
0127	400296	1 W	Cooling Time Running	min	0	1					720	15	2		R/W
0128	400297	1 W	Motor Learn Period	min	1	1					120	15	2		R/W
0129	300298	10 W	Reserved												
0133	400308	1 W	Load Increase Relays	-	0	1					7	0	6416		R/W
0134	400309	1 W	Thermal Capacity Relays		0	1					7	0	6416		R/W
0135	400310	1 W	Thermal Capacity Level	%	16	1					100	70	2		R/W
0136	400311	1 W	Reset TC Mode		0	1					1	0	6406		R/W
0137	400312	1 W	Reset TC Level	%	1	1					90	50	2		R/W
0138	400313	1 W	Acceleration Timer Relays		0	1					7	0	6416		R/W
0139	400314	1 W	Max Acceleration Timer	s	1	0,1	10	1			300	10	4		R/W
013A	300315	2 W	Reserved												
013C	400317	1 W	Multiple Starts Protection Relays		0	1					7	0	6416		R/W
013D	400318	1 W	Multiple Starts Time Period		0	1					2	0	7017		R/W
013E	400319	1 W	Max Starting Rate		1	1					6000	10	2		R/W
013F	300320	5 W	Reserved					1							1
0144	400325	1 W	Ground Vector Overcurrent Relays		0	1					7	0	6416		R/W

0145	400326	1 W	Ground Vector Overcurrent Pickup	%	10	1					300	10	2		R/W
0146	400327	1 W	Ground Vector Overcurrent on Start Delay	s	01	0.1	10	1			100	0.5	4		R/W
0147	400328	1.W	Ground Vector Overcurrent on Plun Delay		0,1	0,1	10	1			100	0.5			D/M
0147	400320			5	0,1	0,1	10	1			100	0,5	4		
0148	400329	1 W	Ground Zero Sequence Overcurrent Relays		0	1						0	6416		R/W
0149	400330	1 W	Ground Zero Sequence Overcurrent Pickup	%	0,5	0,5	10	1			100	6	4		R/W
014A	400331	1 W	Ground Zero Sequence Overcurrent on Start Delay	s	0,1	0,1	10	1			100	0,5	4		R/W
014B	400332	1 W	Ground Zero Sequence Overcurrent on Run Delay	s	0,1	0,1	10	1			100	0,5	4		R/W
014C	300333	10 W	Reserved												
0156	400343	1 W	Undervoltage1 Relays		0	1					7	0	6416		R/W
0157	400344	1 W	Undervoltage 1 Level	%	30	1					99	80	2		R/W
0158	400345	1 W	Undervoltage 1 Reset	%	31	1					100	85	2		R/W
0159	400346	1 W	Undervoltage 1 Delay		0.5	0.1	10	1			600	0.5	4		RM
0150	400347	1.W	Phases for LIA/ 1 Operation	<u> </u>	0,0	1	10				2	0,0	6413		DAM
015A	400347	1 1 1			0	-					2	0	0413		10/00
015B	400348	1 W		%	0	1					50	15	2		R/W
015C	400349	1 W	Overvoltage1 Relays		0	1					7	0	6416		R/W
015D	400350	1 W	Overvoltage 1 Level	%	101	1					150	115	2		R/W
015E	400351	1 W	Overvoltage 1 Reset	%	100	1					149	110	2		R/W
015F	400352	1 W	Overvoltage 1 Delay	s	0,5	0,1	10	1			600	0,5	4		R/W
0160	400353	1 W	Phases for O/V 1 Operation		0	1					2	0	6413		R/W
0161	400354	1 W	Phase Reversal Relays		0	1					7	0	6416		R/W
0162	300355	10 W	Reserved												
0160	400365	1 \\	Machanical Jam Polays		0	1					7	0	6416		DAM
0100	400303				140	1					, ,	110	0410		
016D	400366	1 W	Mechanical Jam Level	%	110	1					500	110	2		R/W
016E	400367	1 W	Mechanical Jam Delay	s	0,5	0,1	10	1			600	0,5	4		R/W
016F	400368	1 W	Current Unbalance Relays		0	1					7	0	6416		R/W
0170	400369	1 W	Current Unbalance Level	%	1	1					99	10	2		R/W
0171	400370	1 W	Current Unbalance Delay	s	0,5	0,1	10	1			600	0,5	4		R/W
0172	400371	1 W	UnderCurrent Relays		0	1					7	0	6416		R/W
0173	400372	1 W	UnderCurrent Level	%	2	1					100	10	2		R/W
0174	400373	1 W	UnderCurrent Delay	s	0.5	0.1	10	1			600	0.5	4		R/W
0175	300374	40 W	Reserved		- , -	- /	-								
0100	400414	1 W	System Events Config			1					1	1	6407		DAM
019D	400414	1 1	Output Events Comfin			1						1	0407		
019E	400415	1 W			0	1					1	1	6407		R/W
019F	400416	1 W	Voltage Protec. Events Config		0	1					1	1	6407		R/W
01A0	400417	1 W	Gnd Current Protec. Events Config		0	1					1	1	6407		R/W
01A1	400418	1 W	Standard Protec. Events Config		0	1					1	1	6407		R/W
01A2	400419	1 W	Starting Protec. Events Config		0	1					1	1	6407		R/W
01A3	300420	4 W	Reserved												
01A7	400424	1 W	Slave Address		1	1					247	1	2		R/W
01A8	400425	1 W	Com (RS-485) Baud Rate		3	1					7	3	6409		R/W
01A9	400426	1 W	Com (RS-485) Configuration		2	1					7	2	6414		R/W
01AA	300427	10 W	Reserved										-		<u> </u>
0184	300/137	8 W											6410		R
0104	200445	05.04											0410		
UIBC	300443	95 VV													-
021B	300540	1 W			800	1					1200	1000	2		ĸ
021C	300541	1 W			800	1					1200	1000	2		R
021D	300542	1 W	Phi TA/TV	°	-5	0,01					5	0	5		R
021E	300543	226 W	Reserved												
0300	300769	2 W	MPR Date & Time										6408		R
0302	300771	1 W	Reserved												
0303	300772	1 W	Output Relays Status										6411		R
0304	300773	2 W	Reserved		1								İ		i i
0306	300775	2 W	Status Flag										7033		R
0.308	300777	6 W	Reserved		1										· ·
030E	300793	2 \//	Phase A True RMS Current	Δ	0.00	0.01	10	0.1	100	1	1000		6		R
030L	200705	2 W			0,00	0,01	10	0,1	100	4	1000		0		
0310	300785	2 W		A	0,00	0,01	10	0,1	100		1000		0		R
0312	300787	2 W	Phase C True RMS Current	A	0,00	0,01	10	0,1	100	1	1000		6		ĸ
0314	300789	2 W	Ground Vectorial True RMS Current	A	0,00	0,01	10	0,1	100	1	1000		6	ļļ	R
0316	300791	2 W	Ground Zero Sequence RMS Current	A	0,00	0,01	10	0,1	100	1	1000		6		R
0318	300793	2 W	Current Average	A	0,00	0,01	10	0,1	100	1	1000		6		R
031A	300795	1 W	Current Unbalance	%	L								4		R
031B	300796	2 W	Negative Sequence Current	A	0	0,01	10	0,1	100	1	1000		6		R
031D	300798	2 W	Reserved		1										
031F	300800	2 W	AB RMS Voltage	v	0.00	0,01	10	0,1	100	1	1000		6		R
0321	300802	2 W	BC RMS Voltage	v	0.00	0.01	10	0.1	100	1	1000		6		R
0323	300804	21/	CA BMS Voltage	v ·	0.00	0.01	10	0.1	100	1	1000		6		 R
0323	200004	2 11			0,00	0,01	40	0,1	100	4	1000		-		
0325	300806	∠ vv	FINASE AIN KIVIS VOITAGE	V V	0,00	U,U1	10	0,1	100	1	1000		^b		к

0327	300808	2 W	Phase BN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	 6		R
0329	300810	2 W	Phase CN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	 6		R
032B	300812	1 W	Phase Sequence									 32		R
032C	300813	2 W	Voltage Average	V	0,00	0,01	10	0,1	100	1	1000	 6		R
032E	300815	1 W	Voltage Unbalance	%								 4		R
032F	300816	6 W	Reserved											
0335	300822	1 W	Current THD	%	0,0	0,1	100	1			100	 4		R
0336	300823	1 W	Voltage THD	%	0,0	0,1	100	1			100	 4		R
0337	300824	10 W	Reserved											
0341	300834	1 W	Phase A Current 2nd Harmonic	%	0.0	0.1	100	1			100	 4		R
0342	300835	1 W	Phase A Current 3rd Harmonic	%	0.0	0.1	100	1			100	 4		R
0343	300836	1.W		%	0,0	0,1	100	1			100	 		R
0344	300837	1.W	Phase A Current 5th Harmonic	70 9/2	0,0	0,1	100	1			100	 -		
0344	200020	4 14/	Phase A Current 6th Harmonia	/0	0,0	0,1	100	1			100	 7		
0345	300636			70	0,0	0,1	100	1			100	 4		
0346	300839		Phase A Current 9th Llamonic	%	0,0	0,1	100	1			100	 4		R
0347	300840	1 W	Phase A Current 8th Harmonic	%	0,0	0,1	100	1			100	 4		R
0348	300841	1 W	Phase A Current 9th Harmonic	%	0,0	0,1	100	1			100	 4		R
0349	300842	1 W	Phase A Current 10th Harmonic	%	0,0	0,1	100	1			100	 4		R
034A	300843	1 W	Phase A Current 11th Harmonic	%	0,0	0,1	100	1			100	 4		R
034B	300844	1 W	Phase B Current 2nd Harmonic	%	0,0	0,1	100	1			100	 4		R
034C	300845	1 W	Phase B Current 3rd Harmonic	%	0,0	0,1	100	1			100	 4		R
034D	300846	1 W	Phase B Current 4th Harmonic	%	0,0	0,1	100	1			100	 4		R
034E	300847	1 W	Phase B Current 5th Harmonic	%	0,0	0,1	100	1			100	 4		R
034F	300848	1 W	Phase B Current 6th Harmonic	%	0,0	0,1	100	1			100	 4		R
0350	300849	1 W	Phase B Current 7th Harmonic	%	0,0	0,1	100	1			100	 4		R
0351	300850	1 W	Phase B Current 8th Harmonic	%	0,0	0,1	100	1			100	 4		R
0352	300851	1 W	Phase B Current 9th Harmonic	%	0,0	0,1	100	1			100	 4		R
0353	300852	1 W	Phase B Current 10th Harmonic	%	0,0	0,1	100	1			100	 4		R
0354	300853	1 W	Phase B Current 11th Harmonic	%	0.0	0.1	100	1			100	 4		R
0355	300854	1 W	Phase C Current 2nd Harmonic	%	0.0	0.1	100	1			100	 4		R
0356	300855	1.W	Phase C. Current 3rd Harmonic	%	0,0	0,1	100	1			100	 4		R
0357	300856	1.W		%	0,0	0,1	100	1			100	 4		R
0357	200957	1 1		/0	0,0	0,1	100	1			100	 4		
0358	200057	1 1 1		70	0,0	0,1	100	1			100	 4		
0359	300858		Phase C Current 6th Harmonic	%	0,0	0,1	100				100	 4		R
035A	300859	1 W	Phase C Current /th Harmonic	%	0,0	0,1	100	1			100	 4		R
035B	300860	1 W	Phase C Current 8th Harmonic	%	0,0	0,1	100	1			100	 4		к
035C	300861	1 W	Phase C Current 9th Harmonic	%	0,0	0,1	100	1			100	 4		R
035D	300862	1 W	Phase C Current 10th Harmonic	%	0,0	0,1	100	1			100	 4		R
035E	300863	1 W	Phase C Current 11th Harmonic	%	0,0	0,1	100	1			100	 4		R
035F	300864	1 W	Phase A K-Factor		0,00	0,01	10	0,1	100	1	1000	 6		R
0360	300865	1 W	Phase B K-Factor		0,00	0,01	10	0,1	100	1	1000	 6		R
0361	300866	1 W	Phase C K-Factor		0,00	0,01	10	0,1	100	1	1000	 6		R
0362	300867	1 W	AB/AN Voltage 2nd Harmonic	%	0,0	0,1	100	1			100	 4		R
0363	300868	1 W	AB/AN Voltage 3rd Harmonic	%	0,0	0,1	100	1			100	 4		R
0364	300869	1 W	AB/AN Voltage 4th Harmonic	%	0,0	0,1	100	1			100	 4		R
0365	300870	1 W	AB/AN Voltage 5th Harmonic	%	0,0	0,1	100	1			100	 4		R
0366	300871	1 W	AB/AN Voltage 6th Harmonic	%	0,0	0,1	100	1			100	 4		R
0367	300872	1 W	AB/AN Voltage 7th Harmonic	%	0,0	0,1	100	1			100	 4		R
0368	300873	1 W	AB/AN Voltage 8th Harmonic	%	0,0	0,1	100	1			100	 4		R
0369	300874	1 W	AB/AN Voltage 9th Harmonic	%	0,0	0,1	100	1			100	 4		R
036A	300875	1 W	AB/AN Voltage 10th Harmonic	%	0,0	0,1	100	1			100	 4		R
036B	300876	1 W	AB/AN Voltage 11th Harmonic	%	0.0	0.1	100	1			100	 4		R
0360	300877	1 W	BC/BN Voltage 2nd Harmonic	%	0.0	0.1	100	1			100	 4		R
036D	300878	1 W	BC/BN Voltage 3rd Harmonic	%	0,0	0,1	100	1			100	 4		R
0365	300870	1.W	PC/PN Voltage 4th Harmonia	70 9/	0,0	0,1	100	1			100	 4		
0305	3000079	1 14/		/0	0,0	0,1	100	4			100	 4		
036F	300880			%	0,0	0,1	100	1			100	 4		R
0370	300881			% 0/	0,0	0,1	100	1			100	 4		ĸ
03/1	300882	1 W		%	0,0	0,1	100	1			100	 4		ĸ
0372	300883	1 W	BC/BN Voltage 8th Harmonic	%	0,0	0,1	100	1			100	 4		R
0373	300884	1 W	BC/BN Voltage 9th Harmonic	%	0,0	0,1	100	1			100	 4		R
0374	300885	1 W	BC/BN Voltage 10th Harmonic	%	0,0	0,1	100	1			100	 4		R
0375	300886	1 W	BC/BN Voltage 11th Harmonic	%	0,0	0,1	100	1			100	 4		R
0376	300887	1 W	CA/CN Voltage 2nd Harmonic	%	0,0	0,1	100	1			100	 4		R
0377	300888	1 W	CA/CN Voltage 3rd Harmonic	%	0,0	0,1	100	1			100	 4		R
0378	300889	1 W	CA/CN Voltage 4th Harmonic	%	0,0	0,1	100	1			100	 4		R
0379	300890	1 W	CA/CN Voltage 5th Harmonic	%	0,0	0,1	100	1			100	 4		R
037A	300891	1 W	CA/CN Voltage 6th Harmonic	%	0,0	0,1	100	1			100	 4		R

DUCDD	037B	300892	1 W	CA/CN Voltage 7th Harmonic	%	0,0	0,1	100	1			100	 4		R
DescriptionDescriptionNDD <th< td=""><td>037C</td><td>300893</td><td>1 W</td><td>CA/CN Voltage 8th Harmonic</td><td>%</td><td>0,0</td><td>0,1</td><td>100</td><td>1</td><td></td><td></td><td>100</td><td> 4</td><td></td><td>R</td></th<>	037C	300893	1 W	CA/CN Voltage 8th Harmonic	%	0,0	0,1	100	1			100	 4		R
DeriveJumeI Leads subget for subset fo	037D	300894	1 W	CA/CN Voltage 9th Harmonic	%	0.0	0.1	100	1			100	 4		R
more constraintsmodel <t< td=""><td>037E</td><td>300895</td><td>1 W</td><td></td><td>%</td><td>0,0</td><td>0.1</td><td>100</td><td>1</td><td></td><td></td><td>100</td><td> 4</td><td></td><td>R</td></t<>	037E	300895	1 W		%	0,0	0.1	100	1			100	 4		R
massmassmassmassmassmassmassmassmassmassmassmassBBS1000100	037E	300896	1 W		%	0,0	0,1	100	1			100	 -		R
mode mode <th< td=""><td>0380</td><td>300897</td><td>2 W</td><td>Phase A Real Power</td><td>W</td><td>0,0</td><td>0,1</td><td>100</td><td>0.1</td><td>100</td><td>1</td><td>1000</td><td> 7</td><td></td><td>R</td></th<>	0380	300897	2 W	Phase A Real Power	W	0,0	0,1	100	0.1	100	1	1000	 7		R
conce concce conce conce <t< td=""><td>0380</td><td>200097</td><td>2 W</td><td></td><td></td><td>0,00</td><td>0,01</td><td>10</td><td>0,1</td><td>100</td><td>1</td><td>1000</td><td> 7</td><td></td><td></td></t<>	0380	200097	2 W			0,00	0,01	10	0,1	100	1	1000	 7		
above above <th< td=""><td>0382</td><td>300699</td><td>2 \</td><td></td><td>VAR</td><td>0,00</td><td>0,01</td><td>10</td><td>0,1</td><td>100</td><td>1</td><td>1000</td><td> 7</td><td></td><td></td></th<>	0382	300699	2 \		VAR	0,00	0,01	10	0,1	100	1	1000	 7		
300.00 200.00<	0384	300901	2 W			0,00	0,01	10	0,1	100	1	1000	 /		R
BoolsSouldValueName Lickebook PowerViaUnion	0386	300903	2 W	Phase B Real Power	W	0,00	0,01	10	0,1	100	1	1000	 /		R
030601000100100010110101111001001001000 </td <td>0388</td> <td>300905</td> <td>2 W</td> <td>Phase B Reactive Power</td> <td>VAR</td> <td>0,00</td> <td>0,01</td> <td>10</td> <td>0,1</td> <td>100</td> <td>1</td> <td>1000</td> <td></td> <td></td> <td>R</td>	0388	300905	2 W	Phase B Reactive Power	VAR	0,00	0,01	10	0,1	100	1	1000			R
BaselBasel Case DescriptionViaBasel DistanceViaBasel DistanceViaViaViaVia DistanceVia Distance <td>038A</td> <td>300907</td> <td>2 W</td> <td>Phase B Aparent Power</td> <td>VA</td> <td>0,00</td> <td>0,01</td> <td>10</td> <td>0,1</td> <td>100</td> <td>1</td> <td>1000</td> <td> 7</td> <td></td> <td>R</td>	038A	300907	2 W	Phase B Aparent Power	VA	0,00	0,01	10	0,1	100	1	1000	 7		R
0000000000100	038C	300909	2 W	Phase C Real Power	W	0,00	0,01	10	0,1	100	1	1000	 7		R
Bosic South	038E	300911	2 W	Phase C Reactive Power	VAR	0,00	0,01	10	0,1	100	1	1000	 7		R
0019 2019 2019 30 acades Porsen VA 000 0.00 0.00<	0390	300913	2 W	Phase C Aparent Power	VA	0,00	0,01	10	0,1	100	1	1000	 7		R
0998 309 309 309 300 0.0<	0392	300915	2 W	3Ø Real Power	w	0,00	0,01	10	0,1	100	1	1000	 7		R
1008 300 300 300 300 0.0<	0394	300917	2 W	3Ø Reactive Power	VAR	0,00	0,01	10	0,1	100	1	1000	 7		R
DOBESUMPSUMPProof FactorIm	0396	300919	2 W	3Ø Aparent Power	VA	0,00	0,01	10	0,1	100	1	1000	 7		R
000930002230 Active Pacebar EnergyVin0000.010.010.010.10.00.10.00.10.00.10.00.10.00.10.00.00.10.0	0398	300921	1 W	3Ø Power Factor									 5		R
0908430084230Action Negative Fundies EnergyVM0000.011000.1100100.0 <t< td=""><td>0399</td><td>300922</td><td>2 W</td><td>3Ø Active Positive Energy</td><td>Wh</td><td>0,00</td><td>0,01</td><td>10</td><td>0,1</td><td>100</td><td>1</td><td>1000</td><td> 7</td><td></td><td>R</td></t<>	0399	300922	2 W	3Ø Active Positive Energy	Wh	0,00	0,01	10	0,1	100	1	1000	 7		R
00000 2 vv 3D Render Negative Energy VAR 0.00 0.01 100 0.01 100 0.01 100 0.01 1000 0.01 0.00 0.01 0.01 0.00 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.01 0.01 0.00 0.01 0.01 0.01 0.00 0.01 0.01 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.01 0.00 0.01 0.01 0.00 0.01 0.0	039B	300924	2 W	3Ø Active Negative Energy	Wh	0,00	0,01	10	0,1	100	1	1000	 7		R
038F 90098 2 W D2 Reactive Negative Energy VAND 0.0 0.0 0.0 1 100 1 1000 7 P P 03AI 300030 2 W Date As Time Las Energy Chear	039D	300926	2 W	3Ø Reactive Positive Energy	VARh	0,00	0,01	10	0,1	100	1	1000	 7		R
OBAI 300000 2 W Date & Time Last Energy Dear	039F	300928	2 W	3Ø Reactive Negative Energy	VARh	0.00	0.01	10	0.1	100	1	1000	 7		R
ONA Soldard U Description Description <td>03A1</td> <td>300930</td> <td>2 W</td> <td>Date & Time Last Energy Clear</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> 6408</td> <td></td> <td>R</td>	03A1	300930	2 W	Date & Time Last Energy Clear									 6408		R
OSAD 30082 1 w frequency Hz in	03A3	300932	10 W	Reserved											
Constrain Constrain <t< td=""><td>034D</td><td>300942</td><td>1 W</td><td>Frequency</td><td>H7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> 6</td><td></td><td>R</td></t<>	034D	300942	1 W	Frequency	H7								 6		R
Oxed P Oxed P Number States	034E	300943	28 W/	Reserved	112										
03067 110 Mator Thermal Capacity Used 110 110 110 111 11	03CA	200071	1 \	Mater Status									6412		В
030072 1 withol minima Lapladity Loga 7 w 1 w <t< td=""><td>03CA</td><td>300971</td><td>1 1 1</td><td>Motor Status</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> 0412</td><td></td><td>R</td></t<>	03CA	300971	1 1 1	Motor Status									 0412		R
B3CC 300975 1 Water Mater Contrer n	03CB	300972	1 VV		%								 2		ĸ
03067 1 W Mater State Counter	03CC	300973	2 W	Motor Running Time	h								 2		R
030067 1W Thermal Capacity Counter	03CE	300975	1 W	Motor Starts Counter									 2		R
30087 1W Last Starting Current M I </td <td>03CF</td> <td>300976</td> <td>1 W</td> <td>Thermal Capacity Counter</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> 2</td> <td></td> <td>R</td>	03CF	300976	1 W	Thermal Capacity Counter									 2		R
30011 30078 2 W Last Slarting Current A 0 0.01 100 0.1 100 1 <th< td=""><td>03D0</td><td>300977</td><td>1 W</td><td>Last Starting Thermal Capacity</td><td>%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> 2</td><td></td><td>R</td></th<>	03D0	300977	1 W	Last Starting Thermal Capacity	%								 2		R
1030330098011Lastarting Acceleration Time911 <td>03D1</td> <td>300978</td> <td>2 W</td> <td>Last Starting Current</td> <td>A</td> <td>0</td> <td>0,01</td> <td>10</td> <td>0,1</td> <td>100</td> <td>1</td> <td></td> <td> 6</td> <td></td> <td>R</td>	03D1	300978	2 W	Last Starting Current	A	0	0,01	10	0,1	100	1		 6		R
030440309811ULearned Starting Current%%~~~~~~~~~~~~%~%~%~%~%~%~%%% <t< td=""><td>03D3</td><td>300980</td><td>1 W</td><td>Last Starting Acceleration Time</td><td>s</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> 4</td><td></td><td>R</td></t<>	03D3	300980	1 W	Last Starting Acceleration Time	s								 4		R
3009853009841WLearned Starting Acceleration TimeA00.011001001010016.0R030753009881WLearned Motor Load%%%	03D4	300981	1 W	Learned Starting Thermal Capacity	%								 2		R
030573008841 WLearned Starting Acceleration Times<	03D5	300982	2 W	Learned Starting Current	A	0	0,01	10	0,1	100	1		 6		R
03081Wleaned Motor Load%%	03D7	300984	1 W	Learned Starting Acceleration Time	s								 4		R
030982.WReservedImage of the second of the	03D8	300985	1 W	Learned Motor Load	%								 2		R
03DB1 WMotor Starts Rate <th< td=""><td>03D9</td><td>300986</td><td>2 W</td><td>Reserved</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	03D9	300986	2 W	Reserved											
03DC3009891Max Starts Rate2///	03DB	300988	1 W	Motor Starts Rate									 2		R
03DD 30090 547 w Reserved Image: constraint of the served Image: constrainter of the served Image: constrain	03DC	300989	1 W	Max Starts Rate									 2		R
0600 301537 1 W Last Event Number	03DD	300990	547 W	Reserved											
06013015382 WLast Event Date and Time6408R06034015401 WSelected Event Number2RW06043015411 WSelected Event Type6415R06053015422 WSelected Event Date and Time6408R06073015441 WSelected Event Date and Time6408R06083015452 WSelected Event Date and Time6408R06083015441 WSelected Event Date and Time6408R06083015452 WSelected Event AB AN RMS VoltageV0,00,01100,1100110064R06063015472 WSelected Event AC AN RMS VoltageV0,000,01100,11001100064R06063015472 WSelected Event AC AN RMS VoltageV0,000,01100,1100016R06063015472 WSelected Event Phase A TRMS CurrentA0,000,01100,110006R	0600	301537	1 W	Last Event Number									 2		R
0603 401540 1 W Selected Event Number <td>0601</td> <td>301538</td> <td>2 W</td> <td>Last Event Date and Time</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> 6408</td> <td></td> <td>R</td>	0601	301538	2 W	Last Event Date and Time									 6408		R
0000 110 00000 110 00000 110 00000 110 00000 110 00000 110 0100 110 010 </td <td>0603</td> <td>401540</td> <td>1 W</td> <td>Selected Event Number</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> 2</td> <td></td> <td>R/W</td>	0603	401540	1 W	Selected Event Number									 2		R/W
0004 00154 1.4 00160 0.1 1.4 0.1 1.4 0.1	0604	301541	1 W										 6/15		R
0000 301342 2 w Selected Event Data and Time	0005	204542	2.14	Colorida Event Pote and Time									0410		
0607 301544 1 w Selected Event Decimal Second 6 C R 0600 301547 2 W Selected Event Phase A TRMS Current A 0.00 0.01 100 1 1000 66 R 0610 301555 2 W Selected Event Phase C TRMS Current A 0.00 0.01 100 1<	0605	301542	2 VV										 6408		R
0608 301545 2 W Selected Event AB AN RMS Voltage V 0,0 0,01 10 0,1 1000 1 1000 66 R 060A 301547 2 W Selected Event BC BN RMS Voltage V 0,00 0,01 10 0,1 1000 1 1000 66 R 060A 301547 2 W Selected Event BC BN RMS Voltage V 0,00 0,01 10 0,1 1000 1 66 R 060C 301549 2 W Selected Event Phase A TRMS Current A 0,00 0,01 100 1 1000 66 R 060E 301553 2 W Selected Event Phase B TRMS Current A 0,00 0,01 100 11 1000 66 R 0612 301557 2 W Selected Event Ground RMS Current A 0,00 0,01 100 1 1000 66 R <td< td=""><td>0607</td><td>301544</td><td>1 W</td><td>Selected Event Decimal Second</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> 2</td><td></td><td>R</td></td<>	0607	301544	1 W	Selected Event Decimal Second									 2		R
UBUA 301547 2 W Selected Event BC BN RMS Voltage V 0,0 0,01 10 0,1 1000 1 1000 66 R 060C 301549 2 W Selected Event CA CN RMS Voltage V 0,00 0,01 10 0,1 1000 1 1000 66 R 060C 301551 2 W Selected Event Phase A TRMS Current A 0,00 0,01 100 11 1000 66 R 0610 301553 2 W Selected Event Phase B TRMS Current A 0,00 0,01 100 11 1000 66 R 0612 301555 2 W Selected Event Phase C TRMS Current A 0,00 0,01 100 11 1000 66 R 0614 301557 2 W Selected Event Ground RMS Current A 0,00 0,01 100 11 1000 66 R	0608	301545	2 W	Selected Event AB AN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	 6		- К
060C 301549 2 W Selected Event CA CN RMS Voltage V 0,0 0,01 10 1,1 1000 6 R 060E 301551 2 W Selected Event Phase A TRMS Current A 0,00 0,01 100 11 1000 66 R 060E 301551 2 W Selected Event Phase B TRMS Current A 0,00 0,01 100 11 1000 66 R 0610 301553 2 W Selected Event Phase B TRMS Current A 0,00 0,01 100 11 1000 66 R 0612 301555 2 W Selected Event Phase C TRMS Current A 0,00 0,01 100 11 1000 66 R 0614 301557 2 W Selected Event 3Ø Real Power W 0,00 0,01 100 11 1000 76 R 0618 301561 1 W Selected Eve	060A	301547	2 W	Selected Event BC BN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	 6		R
060E 301551 2 W Selected Event Phase A TRMS Current A 0,0 0,01 10 11 1000 6 R 0610 301553 2 W Selected Event Phase B TRMS Current A 0,00 0,01 100 11 1000 66 R 0610 301553 2 W Selected Event Phase C TRMS Current A 0,00 0,01 100 11 1000 66 R 0612 301555 2 W Selected Event Phase C TRMS Current A 0,00 0,01 100 11 1000 66 R 0614 301557 2 W Selected Event Ground RMS Current A 0,00 0,01 100 11 1000 66 R 0616 301557 2 W Selected Event 3Ø Power Factor <	060C	301549	2 W	Selected Event CA CN RMS Voltage	V	0,00	0,01	10	0,1	100	1	1000	 6		R
0610 301553 2 W Selected Event Phase B TRMS Current A 0,0 0,01 10 11 1000 6 R 0612 301555 2 W Selected Event Phase C TRMS Current A 0,00 0,01 100 11 1000 66 R 0614 301557 2 W Selected Event Ground RMS Current A 0,00 0,01 100 11 1000 66 R 0616 301557 2 W Selected Event Ground RMS Current A 0,00 0,01 100 11 1000 66 R 0616 301559 2 W Selected Event 3Ø Real Power W 0,00 0,01 100 11 1000 77 R 0618 301561 1 W Selected Event 3Ø Power Factor	060E	301551	2 W	Selected Event Phase A TRMS Current	A	0,00	0,01	10	0,1	100	1	1000	 6		R
0612 301555 2 W Selected Event Phase C TRMS Current A 0,0 0,01 10 11 1000 6 R 0614 301557 2 W Selected Event Ground RMS Current A 0,00 0,01 100 11 1000 6 R 0614 301557 2 W Selected Event Ground RMS Current A 0,00 0,01 100 11 1000 6 R 0616 301559 2 W Selected Event 3Ø Real Power W 0,00 0,01 100 11 1000 6 R 0618 301561 1 W Selected Event 3Ø Power Factor	0610	301553	2 W	Selected Event Phase B TRMS Current	A	0,00	0,01	10	0,1	100	1	1000	 6		R
0614 301557 2 W Selected Event Ground RMS Current A 0,0 0,01 10 11 1000 66 R 0616 301559 2 W Selected Event 3Ø Real Power W 0,00 0,01 100 11 1000 66 R 0616 301561 1 W Selected Event 3Ø Real Power Factor 100 1 1000 67 R 0618 301561 1 W Selected Event 3Ø Power Factor <t< td=""><td>0612</td><td>301555</td><td>2 W</td><td>Selected Event Phase C TRMS Current</td><td>A</td><td>0,00</td><td>0,01</td><td>10</td><td>0,1</td><td>100</td><td>1</td><td>1000</td><td> 6</td><td></td><td>R</td></t<>	0612	301555	2 W	Selected Event Phase C TRMS Current	A	0,00	0,01	10	0,1	100	1	1000	 6		R
0616 301559 2 Selected Event 3Ø Real Power W 0,0 0,01 10 0,1 1000 7 R 0618 301561 1 W Selected Event 3Ø Power Factor 5 R 0619 301562 1 W Selected Event Frequency Hz 6 R 061A 301563 1 W Selected Event Motor TC % 2 R	0614	301557	2 W	Selected Event Ground RMS Current	А	0,00	0,01	10	0,1	100	1	1000	 6		R
0618 301561 1 W Selected Event 3Ø Power Factor 5 R 0619 301562 1 W Selected Event Frequency Hz 6 R 061A 301563 1 W Selected Event Motor TC % 2 R	0616	301559	2 W	Selected Event 3Ø Real Power	W	0,00	0,01	10	0,1	100	1	1000	 7		R
0619 301562 1 W Selected Event Frequency Hz 6 R 061A 301563 1 W Selected Event Motor TC % 6 R	0618	301561	1 W	Selected Event 3Ø Power Factor									 5		R
061A 301563 1 W Selected Event Motor TC % 2 R	0619	301562	1 W	Selected Event Frequency	Hz								 6		R
	061A	301563	1 W	Selected Event Motor TC	%								 2		R

			MPR DATA FORMATS
Format	Туре	Value	Definition
Code F2	Integer		Unsigned Integer Value
			Example: 123 saved as 123
F 4	Interes		I landar and lade way Velue with d algorization
F4	Integer		Example: 1.0 saved as 10
F5	Integer		Signed Integer Value with 2 decimals
			Example1.00 Saved as -100
F6	Integer		Unsigned Integer Value with 2 decimals
			Example: 1.00 saved as 100
F7	Floating Point		(4 Byte) Floating Point Value
E10	Integer		Unsigned Integer Assess Code Value Basister Format
FIV	integer		Example: 1111 saved as 1111 (only digits 1~9 accepted, digit 0 is NOT ALLOWED)
F32	Integer	0	Phase Sequence
		1	A-B-C
		2	А-С-В
F933	Integer	-	O/L Curves Definition Format
		0	Class 2
		2	Class 3
		3	Class 4
		4	Class 5
		5	Class 6 Class 7
		7	Class 8
		8	Class 9
		9	Class 10 Class 15
		10	Class 10 Class 20
		12	Class 30
F6401	Integer	0	System Frequency
		0	50 Hz
		1	
F6402	Integer	1	CT Rating
F6402	Integer	0	CT Rating
F6402	Integer	0 1 2	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2
F6402	Integer	0 1 2 3	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2
F6402	Integer	0 1 2 3 4	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2
F6402	Integer	0 1 2 3 4 5 6	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2
F6402	Integer	1 0 1 2 3 4 5 6 7	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2
F6402	Integer	1 0 1 2 3 4 5 6 7 8	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 600/0.2
F6402	Integer	1 0 1 2 3 4 5 6 7 8 9	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 CUSTOM Connection
F6402	Integer	1 0 1 2 3 4 5 6 7 8 8 9 9	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 CUSTOM CUSTOM Direct 3w
F6402	Integer	1 0 1 2 3 4 5 6 7 7 8 9 9 0 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 6.4/0.2 CUSTOM Connection Direct 3w Direct 4w
F6402	Integer	1 0 1 2 3 4 5 6 7 8 8 9 9 0 1 2 2	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 200/0.2 200/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Doito
F6402	Integer	1 0 1 2 3 4 5 6 7 8 9 9 7 8 9 9 0 1 1 2 3	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 CUSTOM Connection Direct 3w Direct 3w Direct 4w Wye Delta Reset TC Mode
F6402	Integer	1 0 1 2 3 4 5 6 7 8 9 9 0 1 2 0 1 2 3 3	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 600/0.2 Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn
F6402	Integer	1 0 1 2 3 4 5 6 7 7 8 9 9 7 8 9 9 7 0 1 2 3 3 2 3 1 2 3	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 600/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level
F6402	Integer	1 0 1 2 3 4 4 5 6 7 7 8 9 9 7 8 9 9 7 0 1 2 3 3 0 1 2 3 0 1 2 3 0 1 2 3 0 0	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Events Enable/Disable Disable
F6402	Integer	1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 600/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Events Enable/Disable Disable Enable
F6402 F6404 F6406 F6407 F6408	Integer Integer Integer Integer Integer Integer Integer Integer	1 0 1 2 3 4 5 6 7 8 9 9 0 1 2 3 0 1 2 3 0 1 2 3 0 1 1 2 3 1 0 1 1 2 3 1 1 2 3 1 1 2 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 600/0.2 Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Events Enable/Disable Disable Enable
F6402 F6404 F6404 F6406 F6407 F6408 F6408	Integer Integer Integer Integer Integer Integer Integer Integer	1 0 1 2 3 4 5 6 7 8 8 9 9 0 1 2 3 0 1 2 3 0 1 1 2 0 1 1 2 3 1 0 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 600/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Levets Enable/Disable Disable Enable Unix Timestamp This count starts at the Unix Epoch on January 1st, 1970 at UTC
F6402 F6402 F6404 F6404 F6406 F6407 F6408 F6409	Integer	1 0 1 2 3 4 5 6 7 8 9 9 0 1 1 2 3 0 1 2 3 0 1 1 2 3 0 1 1 2 1 0 1 1 2 3 3 1 1 2 3 3 1 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Levets Enable/Disable Disable Enable Unix Timestamp This count starts at the Unix Epoch on January 1st, 1970 at UTC BaudRate Value 9600 Bps
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409	Integer	1 0 1 2 3 4 5 6 7 7 8 9 9 7 0 1 2 3 0 1 2 3 3 0 1 1 0 1 1 0 1 1 0 1 1 2 3 3 1 1 1 2 3 3 1 1 1 2 3 3 1 1 1 2 1 3 1 1 1 2 1 3 1 1 2 1 3 1 1 2 1 3 1 1 2 1 3 1 1 2 1 3 1 1 2 1 3 1 1 2 1 3 1 1 1 2 1 3 1 1 1 2 1 3 1 1 1 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Level Disable Disable Enable Unix Timestamp This count starts at the Unix Epoch on January 1st, 1970 at UTC BaudRate Value 9600 Bps 19200 Bps
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409	Integer	1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 0 1 2 3 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 2 3 4 5 6 7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 00/0.2 00/0.2 00/0.2 00/0.2 CUSTOM Connection Direct 3w Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Unix Timestamp This count starts at the Unix Epoch on January 1st, 1970 at UTC BaudRate Value 9600 Bps 19200 Bps 38400 Bps 19200 Bps
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409	Integer	1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 1 2 3 1 1 2 3 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 000/0.2 000/0.2 CUSTOM Connection Direct 3w Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Unix Timestamp This count starts at the Unix Epoch on January 1st, 1970 at UTC BaudRate Value 9600 Bps 19200 Bps 38400 Bps 115200 Bps
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409 F6409 F6410	Integer Intege	1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 Connection Direct 3w Direct 4w Wye Delta Events Enable/Disable Learn Level Levets Enable/Disable Disable Enable BaudRate Value 9600 Bps 19200 Bps 38400 Bps 57600 Bps 115200 Bps String
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409 F6409	Integer Intege	1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 1 1 2 3 1 2 3 1 2 3 1 2 3 1 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 4 5 5 6 6 7 7 8 8 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8	CT Rating 1.60.2 3.20.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 COnnection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level Unix Timestamp This count starts at the Unix Epoch on January 1st, 1970 at UTC BaudRate Value 9600 Bps 19200 Bps 38400 Bps 57600 Bps 115200 Bps String Allowed characters: &()-/0123456789-ABCDEFGHUKLEMNOPQRSTUVWXYZ[\]_abcdefghijklimnopqrstuvwxyz
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409 F6410 F6411	Integer Intege	1 0 1 2 3 4 4 5 6 7 8 9 9 0 1 1 2 3 0 1 1 2 3 0 1 1 2 3 0 1 1 2 3 1 0 1 1 2 3 3 1 1 2 3 3 1 1 1 2 3 3 1 1 1 2 3 3 1 1 1 2 3 1 1 1 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 100/0.2 200/0.2 300/0.2 400/0.2 600/0.2 COnnection Direct 3w Direct 4w Wye Delta Events Enable/Disable Disable Enable Unix Timestamp This count starts at the Unix Epoch on January 1st, 1970 at UTC BaudRate Value 9600 Bps 192:00 Bps 38400 Bps 57600 Bps 1152:00 Bps String Allowed characters: &()-/0123456789:ABCDEFGHI/JKLMNOPQRSTUVWXYZ[1]_abcdefghijklimnopgrstuvwxyz Output Relays Status Register Auxn Output Relays Status Register
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409 F6409 F6410 F6411	Integer Intege	1 0 0 1 2 3 3 4 5 6 7 7 8 9 9 0 1 2 3 0 0 1 2 3 0 0 1 2 3 0 0 1 1 2 0 0 1 1 2 3 3 0 0 1 1 2 3 3 1 0 0 1 1 2 3 3 1 1 2 3 3 1 1 1 2 3 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 1 1 1 1	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 25/0.2 10/0.0 20/0.2 30/0.2 40/0.2 Connection 00/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Level BaudRate Value 9600 Bps 19200 Bps 38400 Bps 57600 Bps 115200 Bps 38400 Bps 57600 Bps 115200 Bps String Allowed characters: &(<i>i</i> -/0123456789.ABCDEFGHUKLMNOPQRSTUVWXYZ[<u>i_abcdefghijklmnopqrstuvwxyZ</u> OUtput Relays Status Register Aux1 Output Relays (0 = "De-energized", 1 = "Energized")
F6402 F6404 F6404 F6406 F6407 F6407 F6408 F6409 F6409 F6410 F6411	Integer Intege	1 0 1 2 3 3 4 5 6 7 8 9 9 0 1 2 3 0 1 2 3 0 1 2 0 1 1 2 0 1 1 2 0 1 1 2 3 3 4 5 6 6 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	CT Rating 1.6/0.2 3.2/0.2 6.4/0.2 26/0.2 100/0.2 200/0.2 300/0.2 400/0.2 600/0.2 CUSTOM Connection Direct 3w Direct 4w Wye Delta Reset TC Mode Learn Learn Leavel Unix Timestamp BaudRate Value 9600 Bps BaudRate Value 9600 Bps String Allowed characters: & (<i>J/0123456789:ABCDEFGHUKLMNOPQRSTUVWXYZ\L_abcdefghijklmnopqrstuvwxyz</i> Output Relays Status Register Aux1 Output Relay { 0 = "De-energized", 1 = "Energized" } Aux2 Output Relay { 0 = "De-energized", 1 = "Energized" } Aux2 Output Relay { 0 = "De-energized", 1 = "Energized" } Aux3 Output Relay { 0 = "De-energized", 1 = "Energized" }

F6412	Integer		Motor Status
		0	Stopped
		1	Starting
		2	Running
		3	Control of the second s
		3	Trinad
F6413	Integer		Phases Operation
10410	integer	0	Any One
		1	
		2	All Three
E6414	Integer	L	PS Port Configuration
10414	integer	2	RN1 (8 bits Data Parity NONE 1 bit Stop)
		3	8N2 (8 bit Data Parity NONE 2 bit Ston)
		3	RE1(8 bits Data parity EVEN 1 bit Ston)
		5	RE2 (8 bits Data parity EVEN 2 bit Ston)
		6	SET (6 bits Data, Farity ODD, 1 bit Stop)
		7	So 1 (o bits Data, Faity ODD, Thir Stop)
F6416	Integer	,	Output Relays
		0	
		1	1
		2	2-
		3	12-
		4	-3
		5	1-3
		6	-23
		7	123
F6614	Integer		Output Relays Mode
		0	LATCHED
		1	AUTORESET
F6630	Integer		Events Enable/Disable
		0	Disable
		1	Enable
F7013	Integer		MPR Relays
		0	NONE
		1	AUX1
		2	AUX2
		4	AUX3
F7014	Integer		MPR Trip Relay
		1	AUX1
		2	
E 704 E	Internet	4	NDD Out of Service Poler
F7015	integer	0	MICK OUL OF SERVICE Relay
		1	
E7017	Integer	-	MPR Multiple Starts Time Period
		0	HOUR
		1	DAY
		3	MONTH
F7033	32 Bits BitMap		MPR Model 3 Status Flag Format (F.V >= 1.50)
		Bit 0	UnderVoltage1
		Bit 1	OverVoltage1
		Bit 2	Ground Vectorial
		Bit 3	Ground Zero Sequence
		Bit 4	Current Unbalance
		Bit 5	UnderCurrent
		Bit 6	Setpoint Discrepancy
		Bit 7	Flash Busy
		Bit 8	ADC Failure
		Bit 9	BLE Failure
		Bit 10	RAM Failure
		Bit 11	Check Events
		Bit 12	Phase Reversal
		Bit 13	Mechanical Jam
		Bit 14	Motor Inermal Protection
		Bit 15	Acceleration lime
		Bit 17	Ludu III.iedseu
		DIL 17 Bit 19	Power Contact Failure
		Bit 10	Multinle Restart
		Bit 20 ~ Rit 31	Not Used
F7040	Integer	DILLO DILOT	MPR Output Relays Not Operating State
. / 040	integer	0	DENERGIZED
		1	ENERGIZED
F7041	Integer		MPR Output Relays Not Operating State
		0	LOCAL
		1	REMOTE 485
		2	REMOTE BLE
		3	REMOTE 485 + BLE

MPR COMMANDS (F7000)							
Command	Label	Password	Preset data				
0	No command	no					
1	Clear Energy	Adv					
2	Reset	user					
4	Set BLE Name	Adv	х				
5	Set Date and Time	user	х				
9	Clear Events	user					
10	Operate Aux1	user					
11	Operate Aux2	user					
12	Operate Aux3	user					
13	Set Access Code	user	x				
25	Set k TV	Adv	х				
26	Set k TA	Adv	x				
27	Set Phi TA	Adv	х				
29	Reset Counters	Adv					
30	Reset Mult.Starts Data and Counters	user					
32	Reset Aux1	user					
33	Reset Aux2	user					
34	Reset Aux3	user					

MPR EVENTS (F6415)							
Category	Event	Code					
-	Events Clear	1					
Voltage Protections	Undervoltage 1	2					
Voltage Protections	Overvoltage 1	3					
Voltage Protections	Phase Reversal	4					
Gnd Current Protections	Gnd Vect Overcurrent	5					
Gnd Current Protections	Gnd Zero Sequence Overcurrent	6					
Standard Protections	Current Unbalance	7					
Standard Protections	Under Current	8					
Standard Protections	Mechanical Jam	9					
Standard Protections	Load Increased	10					
Standard Protections	Thermal Capacity	11					
Standard Protections	Acceleration Timer	12					
Output Event	Aux1 De-Energized	13					
Output Event	Aux2 De-Energized	14					
Output Event	Aux3 De-Energized	15					
Output Event	Aux1 Energized	16					
Output Event	Aux2 Energized	17					
Output Event	Aux3 Energized	18					
System	Default Setpoint	19					
System	Setpoint Stored	20					
System	Setpoint Discrepancy	21					
System	BLE Failure	22					
System	Test BLE	23					
System	Password Changed	24					
System	Model Changed	25					
System	Energy Cleared	26					
System	Energy Lost	27					
System	Energy Restored	28					
System	Motor Data Lost	29					
System	Calibration Data Lost	30					
System	Status Lost	31					
System	Power Loss	32					
System	Aux Power Restored	33					
System	ADC Failure	34					
System	Flash Busy	35					
System	Out of Service	36					
System	Power Contact Failure	37					
System	Aux1 Remote De-Energized	38					
System	Aux2 Remote De-Energized	39					
System	Aux3 Remote De-Energized	40					
System	Aux1 Remote Energized	41					
System	Aux2 Remote Energized	42					
System	Aux3 Remote Energized	43					
Starting Protections	Mult. Starts Prot.	44					
System	Starts data Lost	45					
System	Starts data Clear	46					