MODBUS TABLES - V 0.115

General Application Industrialization

General

Identification

Product identification

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50000	0xC350	Info	66	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50000	0xC350	4	"SOCO"	-	STRING_16
50004	0xC354	1	Product order ID (Countis:100, Protection:200, Atys:300, Diris:400)	-	U16
50005	0xC355	1	Product ID (EX: 1000 ATS3)	-	U16
50006	0xC356	1	JBUS Table Version (EX: 101 Version 1.01)	-	U16
50007	0xC357	1	Product software version (EX: 100 Version 1.00)	-	U16
50008	0xC358	1	Serial_AA_SS	-	U16_HEX
50009	0xC359	1	Serial_SST_L	-	U16_HEX
50010	0xC35A	1	Serial_order	-	U16
50011	0xC35B	2	Serial_Reserve	-	U32
50013	0xC35D	4	See "Code table" tab for more details	-	U64_HEX
50017	0xC361	1	Customization data loaded (True/False)	-	U8
50018	0xC362	1	Product version (Major)	-	U16
50019	0xC363	1	Product version (Minor)	-	U16
50020	0xC364	1	Product version (Revision)	-	U16
50021	0xC365	1	Product version (Build)	-	U16
50022	0xC366	3	Product build date	-	DATETIME_3
50025	0xC369	1	Software technical base version (Major)	-	U16
50026	0xC36A	1	Software technical base version (Minor)	-	U16
50027	0xC36B	1	Software technical base version (Revision)	-	U16
50028	0xC36C	1	Customization version (Major)	-	U16
50029	0xC36D	1	Customization version (Minor)	-	U16
50030	0xC36E	4	Product VLO (EX : "880100")	-	STRING_NORM
50034	0xC372	4	Customization VLO (EX : "880700")	-	STRING_NORM
50038	0xC376	4	Software technical base VLO (EX : "880600")	-	STRING_NORM
50042	0xC37A	8	Vendor name (EX : "SOCOMEC")	-	STRING_NORM
50050	0xC382	8	Product name (EX : "DIRIS A40R")	-	STRING_NORM
50058	0xC38A	8	Extended name	-	STRING_NORM

Communication board informations

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38912	0x9800	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38912	0x9800	1	Communication Board version (Major)	-	U16
38913	0x9801	1	Communication Board version (Minor)	-	U16

38914	0x9802	1	Communication Board version (Revision)	-	U16
38915	0x9803	1	Communication Board version (Build)	-	U16
38916	0x9804	3	Communication Board build date	-	DATETIME_3
38919	0x9807	4	Communication Board VLO (EX : "880100")	-	STRING_NORM

Common settings

Network Setting

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57344	0xE000	Settings	12	NONE	READ | WRITE | WRITE_MANY	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57344	0xE000	1	Network Type : 0 : 1BL 1 : 2BL 2 : 3BL 3 : 3NBL 4 : 4BL 5 : 4NBL	-	U8
57345	0xE001	1	Current Transformer secondary : 1 : 1 A 5 : 5 A	A	U8
57346	0xE002	1	Current Transformer primary	A	U16
57347	0xE003	1	Reserved	-	-
57348	0xE004	1	Reserved	-	-
57349	0xE005	1	Reserved	-	-
57350	0xE006	1	Reserved	-	-
57351	0xE007	1	Reserved	-	-
57352	0xE008	2	Reserved	-	-
57354	0xE00A	1	Reserved	-	-
57355	0xE00B	1	Synchronisation Top for P+ : time in seconds (60s, 300s, 480s, 600s, 900s, 1200s, 1800s, 3600s)	s	U16

Hour/Date setting (Write 6 words in one time Function 16)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57600	0xE100	Settings	6	NONE	READ | WRITE | WRITE_MANY	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57600	0xE100	1	Day	-	U8
57601	0xE101	1	Month	-	U8
57602	0xE102	1	Year	-	U16
57603	0xE103	1	Hour	-	U8
57604	0xE104	1	Minute	-	U8
57605	0xE105	1	Second	-	U8

Actions

Action system

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts

57856	0xE200	Commands	1	NONE	READ | WRITE	READ | WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57856	0xE200	1	Action : 0xA1 : Product Configuration storage 0xB2 : Produit reset	-	U8_HEX

Application

Measurement

Common

Metrology Affected by current and voltage transformers

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50512	0xC550	Info	62	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50512	0xC550	2	Reserved	-	-
50514	0xC552	2	Phase to Phase Voltage: U12	V / 100	U32
50516	0xC554	2	Phase to Phase Voltage: U23	V / 100	U32
50518	0xC556	2	Phase to Phase Voltage: U31	V / 100	U32
50520	0xC558	2	Simple voltage : V1	V / 100	U32
50522	0xC55A	2	Simple voltage : V2	V / 100	U32
50524	0xC55C	2	Simple voltage : V3	V / 100	U32
50526	0xC55E	2	Frequency : F	Hz / 100	U32
50528	0xC560	2	Current : I1	A / 1000	U32
50530	0xC562	2	Current : I2	A / 1000	U32
50532	0xC564	2	Current : I3	A / 1000	U32
50534	0xC566	2	Neutral Current : In	A / 1000	U32
50536	0xC568	2	? Active Power +/- : P	W / 0.1	S32
50538	0xC56A	2	? Reactive Power +/- : Q	var / 0.1	S32
50540	0xC56C	2	? Apparent Power : S	VA / 0.1	U32
50542	0xC56E	2	? Power Factor : -: leading et + : lagging : PF	- / 1000	S32
50544	0xC570	2	Active Power phase 1 +/- : P1	W / 0.1	S32
50546	0xC572	2	Active Power phase 2 +/- : P2	W / 0.1	S32
50548	0xC574	2	Active Power phase 3 +/- : P3	W / 0.1	S32
50550	0xC576	2	Reactive Power phase 1 +/- : Q1	var / 0.1	S32
50552	0xC578	2	Reactive Power phase 2 +/- : Q2	var / 0.1	S32
50554	0xC57A	2	Reactive Power phase 3 +/- : Q3	var / 0.1	S32
50556	0xC57C	2	Apparent Power phase 1 : S1	VA / 0.1	U32
50558	0xC57E	2	Apparent Power phase 2 : S2	VA / 0.1	U32
50560	0xC580	2	Apparent Power phase 3 : S3	VA / 0.1	U32
50562	0xC582	2	Power Factor phase 1 -: leading and + : lagging : PF1	- / 1000	S32
50564	0xC584	2	Power Factor phase 2 -: leading and + : lagging : PF2	- / 1000	S32
50566	0xC586	2	Power Factor phase 3 -: leading and + : lagging : PF3	- / 1000	S32
50568	0xC588	2	Reserved	-	-
50570	0xC58A	2	Reserved	-	-
50572	0xC58C	2	Reserved	-	-

Energies

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50768	0xC650	Info	65	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50768	0xC650	2	Reserved	-	-
50770	0xC652	2	Total Positive Active Energy (no resetable) : Ea+	Wh / 0.001	U32
50772	0xC654	2	Total Positive Reactive Energy (no resetable) : Er +	varh / 0.001	U32
50774	0xC656	2	Reserved	-	-
50776	0xC658	2	Total Negative Active Energy (no resetable) : Ea-	Wh / 0.001	U32
50778	0xC65A	2	Total Negative Reactive Energy (no resetable) : Er -	varh / 0.001	U32
50780	0xC65C	2	Partial Positive Active Energy: Ea+	Wh / 0.001	U32
50782	0xC65E	2	Partial Positive Reactive Energy: Er +	varh / 0.001	U32
50784	0xC660	2	Reserved	-	-
50786	0xC662	2	Partial Negative Active Energy : Ea-	Wh / 0.001	U32
50788	0xC664	2	Partial Negative Reactive Energy : Er -	varh / 0.001	U32
50790	0xC666	2	Reserved	-	-
50792	0xC668	2	Reserved	-	-
50794	0xC66A	2	Reserved	-	-
50796	0xC66C	2	Reserved	-	-
50798	0xC66E	2	Reserved	-	-
50800	0xC670	2	Reserved	-	-
50802	0xC672	2	Reserved	-	-
50804	0xC674	2	Reserved	-	-
50806	0xC676	2	Reserved	-	-
50808	0xC678	2	Reserved	-	-
50810	0xC67A	2	Reserved	-	-
50812	0xC67C	2	Reserved	-	-
50814	0xC67E	2	Reserved	-	-
50816	0xC680	2	Reserved	-	-
50818	0xC682	2	Reserved	-	-
50820	0xC684	2	Reserved	-	-
50822	0xC686	2	Reserved	-	-
50824	0xC688	2	Reserved	-	-
50826	0xC68A	2	Last date for Record average P/Q/S in second since 01/01/2000	s	U32
50828	0xC68C	1	Last average (P+)	W	U16
50829	0xC68D	1	Reserved	-	-
50830	0xC68E	1	Reserved	-	-
50831	0xC68F	1	Reserved	-	-
50832	0xC690	1	Reserved	-	-

Energies in Unit/100

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50944	0xC700	Info	65	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50944	0xC700	2	Reserved	-	-
50946	0xC702	2	Total Positive Active Energy (no resetable) : Ea+	Wh / 0.1	U32
50948	0xC704	2	Total Positive Reactive Energy (no resetable) : Er +	varh / 0.1	U32
50950	0xC706	2	Reserved	-	-
50952	0xC708	2	Total Negative Active Energy (no resetable) : Ea-	Wh / 0.1	U32
50954	0xC70A	2	Total Negative Reactive Energy (no resetable) : Er -	varh / 0.1	U32
50956	0xC70C	2	Partial Positive Active Energy: Ea+	Wh / 0.1	U32
50958	0xC70E	2	Partial Positive Reactive Energy: Er +	varh / 0.1	U32
50960	0xC710	2	Reserved	-	-

50962	0xC712	2	Partial Negative Active Energy : Ea-	Wh / 0.1	U32
50964	0xC714	2	Partial Negative Reactive Energy : Er -	varh / 0.1	U32
50966	0xC716	2	Reserved	-	-
50968	0xC718	2	Reserved	-	-
50970	0xC71A	2	Reserved	-	-
50972	0xC71C	2	Reserved	-	-
50974	0xC71E	2	Reserved	-	-
50976	0xC720	2	Reserved	-	-
50978	0xC722	2	Reserved	-	-
50980	0xC724	2	Reserved	-	-
50982	0xC726	2	Reserved	-	-
50984	0xC728	2	Reserved	-	-
50986	0xC72A	2	Reserved	-	-
50988	0xC72C	2	Reserved	-	-
50990	0xC72E	2	Reserved	-	-
50992	0xC730	2	Reserved	-	-
50994	0xC732	2	Reserved	-	-
50996	0xC734	2	Reserved	-	-
50998	0xC736	2	Reserved	-	-
51000	0xC738	2	Reserved	-	-
51002	0xC73A	2	Last date for Record average P/Q/S in second since 01/01/2000	s	U32
51004	0xC73C	1	Last average (P+)	W	U16
51005	0xC73D	1	Reserved	-	-
51006	0xC73E	1	Reserved	-	-
51007	0xC73F	1	Reserved	-	-
51008	0xC740	1	Reserved	-	-

Energies per tariff

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50848	0xC6A0	Info	50	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50848	0xC6A0	1	0 >: Tariff number <: 8	-	U8
50849	0xC6A1	1	Tariff number in progress (1 to 8)	-	U8
50850	0xC6A2	2	Positive Active Energies 1	Wh / 100	U32
50852	0xC6A4	2	Positive Active Energies 2	h / 100	U32
50854	0xC6A6	2	Positive Active Energies 3	h / 100	U32
50856	0xC6A8	2	Positive Active Energies 4	h / 100	U32
50858	0xC6AA	2	Reserved	-	-
50860	0xC6AC	2	Reserved	-	-
50862	0xC6AE	2	Reserved	-	-
50864	0xC6B0	2	Reserved	-	-
50866	0xC6B2	2	Positive Reactive Enegies 1	varh / 100	U32
50868	0xC6B4	2	Positive Reactive Enegies 2	h / 100	U32
50870	0xC6B6	2	Positive Reactive Enegies 3	h / 100	U32
50872	0xC6B8	2	Positive Reactive Enegies 4	h / 100	U32
50874	0xC6BA	2	Reserved	-	-
50876	0xC6BC	2	Reserved	-	-
50878	0xC6BE	2	Reserved	-	-
50880	0xC6C0	2	Reserved	-	-
50882	0xC6C2	2	Reserved	-	-
50884	0xC6C4	2	Reserved	-	-
50886	0xC6C6	2	Reserved	-	-
50888	0xC6C8	2	Reserved	-	-
50890	0xC6CA	2	Reserved	-	-

50892	0xC6CC	2	Reserved	-	-
50894	0xC6CE	2	Reserved	-	-
50896	0xC6D0	2	Reserved	-	-

Energies per tariff in Unit/100

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51200	0xC800	Info	50	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51200	0xC800	1	0 >: Tariff number <: 8	-	U8
51201	0xC801	1	Tariff number in progress (1 to 8)	-	U8
51202	0xC802	2	Positive Active Energies 1	Wh / 0.1	U32
51204	0xC804	2	Positive Active Energies 2	Wh / 0.1	U32
51206	0xC806	2	Positive Active Energies 3	Wh / 0.1	U32
51208	0xC808	2	Positive Active Energies 4	Wh / 0.1	U32
51210	0xC80A	2	Positive Active Energies 5	h / 100	U32
51212	0xC80C	2	Positive Active Energies 6	h / 100	U32
51214	0xC80E	2	Positive Active Energies 7	h / 100	U32
51216	0xC810	2	Positive Active Energies 8	h / 100	U32
51218	0xC812	2	Positive Reactive Enegies 1	varh / 0.1	U32
51220	0xC814	2	Positive Reactive Enegies 2	varh / 0.1	U32
51222	0xC816	2	Positive Reactive Enegies 3	varh / 0.1	U32
51224	0xC818	2	Positive Reactive Enegies 4	varh / 0.1	U32
51226	0xC81A	2	Positive Reactive Enegies 5	h / 100	U32
51228	0xC81C	2	Positive Reactive Enegies 6	h / 100	U32
51230	0xC81E	2	Positive Reactive Enegies 7	h / 100	U32
51232	0xC820	2	Positive Reactive Enegies 8	h / 100	U32
51234	0xC822	2	Reserved	-	-
51236	0xC824	2	Reserved	-	-
51238	0xC826	2	Reserved	-	-
51240	0xC828	2	Reserved	-	-
51242	0xC82A	2	Reserved	-	-
51244	0xC82C	2	Reserved	-	-
51246	0xC82E	2	Reserved	-	-
51248	0xC830	2	Reserved	-	-

Metrology No Affected by current and voltage transformers

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51280	0xC850	Info	35	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51280	0xC850	1	Reserved	-	-
51281	0xC851	1	Phase to Phase Voltage: U12	V / 100	U16
51282	0xC852	1	Phase to Phase Voltage: U23	V / 100	U16
51283	0xC853	1	Phase to Phase Voltage: U31	V / 100	U16
51284	0xC854	1	Simple voltage : V1	V / 100	U16
51285	0xC855	1	Simple voltage : V2	V / 100	U16
51286	0xC856	1	Simple voltage : V3	V / 100	U16
51287	0xC857	1	Frequency : F	Hz / 100	U16
51288	0xC858	1	Current : I1	A / 1000	U16
51289	0xC859	1	Current : I2	A / 1000	U16
51290	0xC85A	1	Current : I3	A / 1000	U16

51291	0xC85B	1	Neutral Current : In	A / 1000	U16
51292	0xC85C	1	? active Power +/- : P	W / 0.1	S16
51293	0xC85D	1	? reactive Power +/- : Q	var / 0.1	S16
51294	0xC85E	1	? apparent power : S	VA / 0.1	U16
51295	0xC85F	1	? power factor : -: leading and + : lagging : PF	- / 1000	S16
51296	0xC860	1	Active Power phase 1 +/- : P1	W / 0.1	S16
51297	0xC861	1	Active Power phase 2 +/- : P2	W / 0.1	S16
51298	0xC862	1	Active Power phase 3 +/- : P3	W / 0.1	S16
51299	0xC863	1	Reactive Power phase 1 +/- : Q1	var / 0.1	S16
51300	0xC864	1	Reactive Power phase 2 +/- : Q2	var / 0.1	S16
51301	0xC865	1	Reactive Power phase 3 +/- : Q3	var / 0.1	S16
51302	0xC866	1	Apparent power phase 1 : S1	VA / 0.1	U16
51303	0xC867	1	Apparent power phase 2 : S2	VA / 0.1	U16
51304	0xC868	1	Apparent power phase 3 : S3	VA / 0.1	U16
51305	0xC869	1	Power Factor phase 1 -: leading and + : lagging : PF1	- / 1000	S16
51306	0xC86A	1	Power Factor phase 2 -: leading and + : lagging : PF2	- / 1000	S16
51307	0xC86B	1	Power Factor phase 3 -: leading and + : lagging : PF3	- / 1000	S16
51308	0xC86C	1	Reserved	-	-
51309	0xC86D	1	Reserved	-	-
51310	0xC86E	1	Reserved	-	-
51311	0xC86F	1	Total Positive Active Energy (no resetable) : Ea+	Wh / 1E-06	U16
51312	0xC870	1	Total Positive Reactive Energy (no resetable) : Er +	varh / 1E-06	U16
51313	0xC871	1	Total Negative Active Energy (no resetable) : Ea-	Wh / 1E-06	U16
51314	0xC872	1	Total Negative Reactive Energy (no resetable) : Er -	varh / 1E-06	U16

Specific

Table Overflow

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36864	0x9000	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36864	0x9000	2	Value of the meter overflow (10Wh) : 999 999 999	Wh / 0.1	U32
36866	0x9002	1	Nb Overflow Total Ea +	-	U16
36867	0x9003	1	Nb Overflow Total Er +	-	U16
36868	0x9004	1	Nb Overflow Total Ea -	-	U16
36869	0x9005	1	Nb Overflow Total Er -	-	U16
36870	0x9006	1	Reserved	-	-
36871	0x9007	1	Nb Overflow Total Ea T1	-	U16
36872	0x9008	1	Nb Overflow Total Ea T2	-	U16
36873	0x9009	1	Nb Overflow Total Ea T3	-	U16
36874	0x900A	1	Nb Overflow Total Ea T4	-	U8

Temporal Active Index

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36896	0x9020	Info	24	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36896	0x9020	2	Ea + for day n-1	Wh / 0.001	U32
36898	0x9022	2	Reserved	-	-
36900	0x9024	2	Ea + for day n	Wh / 0.001	U32

36902	0x9026	2	Reserved	-	-
36904	0x9028	2	Ea + for Week n-1	Wh / 0.001	U32
36906	0x902A	2	Reserved	-	-
36908	0x902C	2	Ea + for Week n	Wh / 0.001	U32
36910	0x902E	2	Reserved	-	-
36912	0x9030	2	Ea + for Month n-1	Wh / 0.001	U32
36914	0x9032	2	Reserved	-	-
36916	0x9034	2	Ea + for Month n	Wh / 0.001	U32
36918	0x9036	2	Reserved	-	-

Temporal Active Index in Unit/100

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36928	0x9040	Info	24	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36928	0x9040	2	Ea + for day n-1	Wh / 0.1	U32
36930	0x9042	2	Reserved	-	-
36932	0x9044	2	Ea + for day n	Wh / 0.1	U32
36934	0x9046	2	Reserved	-	-
36936	0x9048	2	Ea + for Week n-1	Wh / 0.1	U32
36938	0x904A	2	Reserved	-	-
36940	0x904C	2	Ea + for Week n	Wh / 0.1	U32
36942	0x904E	2	Reserved	-	-
36944	0x9050	2	Ea + for Month n-1	Wh / 0.1	U32
36946	0x9052	2	Reserved	-	-
36948	0x9054	2	Ea + for Month n	Wh / 0.1	U32
36950	0x9056	2	Reserved	-	-

Energies (Full scale)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37376	0x9200	Info	43	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37376	0x9200	4	Total Positive Active Energy (no resetable) : Ea+	Wh / 0.001	U64
37380	0x9204	4	Total Positive Reactive Energy (no resetable) : Er +	varh / 0.001	U64
37384	0x9208	4	Reserved	-	-
37388	0x920C	4	Total Negative Active Energy (no resetable) : Ea-	Wh / 0.001	U64
37392	0x9210	4	Total Negative Reactive Energy (no resetable) : Er -	varh / 0.001	U64
37396	0x9214	4	Partial Positive Active Energy: Ea+	Wh / 0.001	U64
37400	0x9218	4	Partial Positive Reactive Energy: Er +	varh / 0.001	U64
37404	0x921C	4	Reserved	-	-
37408	0x9220	4	Partial Negative Active Energy : Ea-	Wh / 0.001	U64
37412	0x9224	4	Partial Negative Reactive Energy : Er -	varh / 0.001	U64
37416	0x9228	2	Last date for Record average P in second since 01/01/2000	s	U32
37418	0x922A	1	Last average P+	W	U16

Energies per tariff (Full scale)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37632	0x9300	Info	34	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37632	0x9300	1	0 > Tariff number <= 4	-	U8
37633	0x9301	1	Tariff number in progress (1 to 4)	-	U8
37634	0x9302	4	Total Positive Active Energie Tariff 1	Wh / 0.001	U64
37638	0x9306	4	Total Positive Active Energie Tariff 2	Wh / 0.001	U64
37642	0x930A	4	Total Positive Active Energie Tariff 3	Wh / 0.001	U64
37646	0x930E	4	Total Positive Active Energie Tariff 4	Wh / 0.001	U64
37650	0x9312	4	Partial Positive Active Energie Tariff 1	Wh / 0.001	U64
37654	0x9316	4	Partial Positive Active Energie Tariff 2	Wh / 0.001	U64
37658	0x931A	4	Partial Positive Active Energie Tariff 3	Wh / 0.001	U64
37662	0x931E	4	Partial Positive Active Energie Tariff 4	Wh / 0.001	U64

Energies in Unit/100 (Full scale)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37888	0x9400	Info	43	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37888	0x9400	4	Total Positive Active Energy (no resetable) : Ea+	Wh / 0.1	U64
37892	0x9404	4	Total Positive Reactive Energy (no resetable) : Er +	varh / 0.1	U64
37896	0x9408	4	Reserved	-	-
37900	0x940C	4	Total Negative Active Energy (no resetable) : Ea-	Wh / 0.1	U64
37904	0x9410	4	Total Negative Reactive Energy (no resetable) : Er -	varh / 0.1	U64
37908	0x9414	4	Partial Positive Active Energy: Ea+	Wh / 0.1	U64
37912	0x9418	4	Partial Positive Reactive Energy: Er +	varh / 0.1	U64
37916	0x941C	4	Reserved	-	-
37920	0x9420	4	Partial Negative Active Energy : Ea-	Wh / 0.1	U64
37924	0x9424	4	Partial Negative Reactive Energy : Er -	varh / 0.1	U64
37928	0x9428	2	Last date for Record average P in second since 01/01/2000	s	U32
37930	0x942A	1	Last average P+	W	U16

Energies per tariff in Unit/100 (Full scale)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38144	0x9500	Info	34	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38144	0x9500	1	0 > Tariff number <= 4	-	U8
38145	0x9501	1	Tariff number in progress (1 to 4)	-	U8
38146	0x9502	4	Total Positive Active Energie Tariff 1	Wh / 0.1	U64
38150	0x9506	4	Total Positive Active Energie Tariff 2	Wh / 0.1	U64
38154	0x950A	4	Total Positive Active Energie Tariff 3	Wh / 0.1	U64
38158	0x950E	4	Total Positive Active Energie Tariff 4	Wh / 0.1	U64
38162	0x9512	4	Partial Positive Active Energie Tariff 1	Wh / 0.1	U64
38166	0x9516	4	Partial Positive Active Energie Tariff 2	Wh / 0.1	U64
38170	0x951A	4	Partial Positive Active Energie Tariff 3	Wh / 0.1	U64
38174	0x951E	4	Partial Positive Active Energie Tariff 4	Wh / 0.1	U64

Maximum Values

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts

37120	0x9100	Info	20	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37120	0x9100	2	Maximum I1	A / 1000	U32
37122	0x9102	2	Maximum I2	A / 1000	U32
37124	0x9104	2	Maximum I3	A / 1000	U32
37126	0x9106	2	Maximum In	A / 1000	U32
37128	0x9108	2	Maximum P+	W / 1000	U32
37130	0x910A	2	Maximum P-	W / 1000	U32
37132	0x910C	2	Maximum Q+	var / 1000	U32
37134	0x910E	2	Maximum Q-	var / 1000	U32
37136	0x9110	2	Maximum S	VA / 1000	U32
37138	0x9112	1	Maximum cos(phi)+	- / 1000	U16
37139	0x9113	1	Maximum cos(phi)-	- / 1000	U16

Settings

Set Tariff

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38656	0x9700	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
38656	0x9700	1	Set Tariff (1 to 4)	-	U8

Actions

Partial reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40512	0x9E40	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
40512	0x9E40	1	Reset Partial (mix values is possible): 0x0001 : Tariff 1 positive active energy (Ea+) 0x0002 : Tariff 2 positive active energy (Ea+) 0x0004 : Tariff 3 positive active energy (Ea+) 0x0008 : Tariff 4 positive active energy (Ea+) 0x0010 : Negative active energy (Ea-) 0x0020 : Positive reactive energy (Er+) 0x0040 : Negative reactive energy (Er-) 0x000F : All partial energies per tariff 0xFFFF : All partial energies	-	U16_HEX

Maximum reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40513	0x9E41	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
40513	0x9E41	1	Reset Max (mix values is possible): 0x0001 : Max of phase 1 current (I1) 0x0002 : Max of phase 2 current (I2)	-	U16_HEX

			0x0004 : Max of phase 3 current (I3) 0x0008 : Max of phase N current (IN) 0x0010 : Max of positive active power (P+) 0x0020 : Max of negative active power (P-) 0x0040 : Max of positive reactive power (Q+) 0x0080 : Max of positive reactive power (Q-) 0x0100 : Max of apparent power (S) 0x0200 : Max of positive cos(phi) 0x0400 : Max of negative cos(phi) 0xFFFF : All max		

Monitoring

Quality

Quality Values

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38400	0x9600	Info	22	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38400	0x9600	2	THD Value for I1	% / 100	U32
38402	0x9602	2	THD Value for I2	% / 100	U32
38404	0x9604	2	THD Value for I3	% / 100	U32
38406	0x9606	2	THD Value for V1	% / 100	U32
38408	0x9608	2	THD Value for V2	% / 100	U32
38410	0x960A	2	THD Value for V3	% / 100	U32
38412	0x960C	2	THD Value for U12	% / 100	U32
38414	0x960E	2	THD Value for U23	% / 100	U32
38416	0x9610	2	THD Value for U31	% / 100	U32
38418	0x9612	1	cos(phi) L1	- / 1000	S16
38419	0x9613	1	cos(phi) L2	- / 1000	S16
38420	0x9614	1	cos(phi) L3	- / 1000	S16
38421	0x9615	1	cos(phi) Total	- / 1000	S16

Load Curve

Load curve P+

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61440	0xF000	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
61440	0xF000	1	Action 0x0001 : Reset read pointer 0xFFFE : Get next data	-	U16_HEX

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61456	0xF010	Header	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
61456	0xF010	1	Record count (Maximum 29)	-	U8
61457	0xF011	1	Record size : 4 see below the data record description	W	U8
61458	0xF012	1	Integration period	min	U16
61459	0xF013	1	Physical Unit : 0 0 : W 1 : W 2 : var 3 : var 4 : VA 5 : None 6 : J 7 : Pulse 8 : m3 9 : Nm3 20 : kW 22 : kVAr 24 : kVA 26 : kJ 27 : kilo-Pulse	-	U8
61460	0xF014	1	Numerator Rate	-	U16
61461	0xF015	1	Denominator Rate	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61462	0xF016	Data	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
61462	0xF016	2	Date	s	DATETIME
61464	0xF018	1	Full/incomplete period 0 : full integration period 1 : incomplete integration period	-	U8
61465	0xF019	1	Value without CT*VT rate	-	U16

Industrialization

Indus Mode and MID status

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40544	0x9E60	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
40544	0x9E60	1	Indus Mode (0: indus mode disabled, 1: indus mode enabled)	-	U8
40545	0x9E61	1	MID status (0: non-MID product, 1: MID product	-	U8