

VerifEye Series 6000 Meter MODBUS Tables



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Identification

Product

<i>Product identification</i>						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50000	0xC350	Info	69	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 AT53)	-	U16
50006	0xC356	1	MODBUS Table Version	-	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

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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 : "SOCOMEK")	-	STRING_NORM
50050	0xC382	8	Product name (EX : "PMD EE")	-	STRING_NORM
50058	0xC38A	8	Extended name	-	STRING_NORM
50066	0xC392	1	Ressource version (Build 2)	-	U16
50067	0xC393	2	Net ID	-	U32_HEX

Product name

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
31232	0x7A00	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
31232	0x7A00	16	Product name	-	STRING_NORM

Product description

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
31264	0x7A20	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
31264	0x7A20	16	Product description	-	STRING_NORM

Extended identification

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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9216	0x2400	Info	62	NONE	READ	READ
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Dec address	Hex address	Words count	Description	Unit	Data type
9216	0x2400	1	Product order ID (Countis:100, Protection:200, Atys:300, Diris:400)	-	U16
9217	0x2401	1	Product ID (EX: 1000 AT53)	-	U16
9218	0x2402	1	MODBUS Table Version	-	U16
9219	0x2403	8	Serial number	-	STRING_NORM
9227	0x240B	1	Product version (Major)	-	U16
9228	0x240C	1	Product version (Minor)	-	U16
9229	0x240D	1	Product version (Revision)	-	U16
9230	0x240E	1	Product version (Build)	-	U16
9231	0x240F	3	Product build date	-	DATETIME_3
9234	0x2412	1	Software technical base version (Major)	-	U16
9235	0x2413	1	Software technical base version (Minor)	-	U16
9236	0x2414	1	Software technical base version (Revision)	-	U16
9237	0x2415	4	Product VLO (EX : "880100")	-	STRING_NORM
9241	0x2419	4	Software technical base VLO (EX : "880600")	-	STRING_NORM
9245	0x241D	8	Vendor name (EX : "SOCOMEK")	-	STRING_NORM
9253	0x2425	8	Product name (EX : "PMD EE")	-	STRING_NORM
9261	0x242D	8	Extended name	-	STRING_NORM
9269	0x2435	1	Resource version (Build 2)	-	U16
9270	0x2436	1	Bootloader version (Major)	-	U16
9271	0x2437	1	Bootloader version (Minor)	-	U16
9272	0x2438	1	Bootloader version (Revision)	-	U16
9273	0x2439	1	Bootloader version (Build)	-	U16
9274	0x243A	4	Bootloader VLO (EX : "880100")	-	STRING_NORM

LED blinking

Identification by blinking LED

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57864	0xE208	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57864	0xE208	1	Action 1 : Start blinking	-	U8

Feeders

Feeders

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
13504	0x34C0	Info	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
13504	0x34C0	1	Loads number	-	U16
13505	0x34C1	1	Bit x : Load x Available (1)/Not available (0)	-	U16_HEX
13506	0x34C2	1	Multi-fluid feeders (MFF) number	-	U16
13507	0x34C3	1	Bit x : MFF x Available (1)/Not available (0)	-	U16_HEX

Date Time

Set / Get

Date sec settings

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	-	U8
57603	0xE103	1	Hour	-	U8
57604	0xE104	1	Minute	-	U8
57605	0xE105	1	Second	-	U8

SNTP

Time synchro and SNTP server settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30208	0x7600	Settings	32	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
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30208	0x7600	1	Activation : 0 : Disabled 1 : Enabled	-	U16
30209	0x7601	25	SNTP server IP address	-	STRING_NORM
30234	0x761A	2	Resolved server IP (ReadOnly)	-	U32_IP
30236	0x761C	1	SNTP server port	-	U16
30237	0x761D	1	Reserved	-	-
30238	0x761E	2	Update cycle period	s	U32

TimeZone

Time zone						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30272	0x7640	Settings	4	USER	READ	READ WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
30272	0x7640	2	Delta time	s	S32
30274	0x7642	1	DaylightSavingTime 0 : Disabled 1 : Enabled	-	U8
30275	0x7643	1	Timezone 0 : (GMT-10:00) Hawaii 1 : (GMT-09:00) Alaska 2 : (GMT-08:00) Tijuana 3 : (GMT-08:00) Pacific Time (US and Canada) 4 : (GMT-07:00) Mountain Time (US and Canada) 5 : (GMT-07:00) Chihuahua, La Paz, Mazatlan 6 : (GMT-07:00) Arizona 7 : (GMT-06:00) Central Time (US and Canada) 8 : (GMT-06:00) Saskatchewan 9 : (GMT-06:00) Guadalajara, Mexico City, Monterrey 10 : (GMT-06:00) Central America 11 : (GMT-05:00) Eastern Time (US and Canada) 12 : (GMT-05:00) Indiana (East) 13 : (GMT-05:00) Bogota, Lima, Quito	-	U16

			14 : (GMT-04:30) Caracas 15 : (GMT-04:00) Asuncion 16 : (GMT-04:00) Cuiaba 17 : (GMT-04:00) Atlantic Time (Canada) 18 : (GMT-04:00) La Paz 19 : (GMT-04:00) Santiago 20 : (GMT-03:30) Newfoundland and Labrador 21 : (GMT-03:00) Brasilia 22 : (GMT-03:00) Buenos Aires, Georgetown 23 : (GMT-03:00) Cayenne, Fortaleza 24 : (GMT-03:00) Greenland 25 : (GMT-03:00) Montevideo 26 : (GMT-03:00) Salvador 27 : (GMT-02:00) Mid-Atlantic 28 : (GMT-01:00) Azores 29 : (GMT-01:00) Cape Verde Islands 30 : (GMT) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London 31 : (GMT) Casablanca 32 : (GMT) Monrovia, Reykjavik 33 : (GMT) UTC 34 : (GMT+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague 35 : (GMT+01:00) Sarajevo, Skopje, Warsaw, Zagreb 36 : (GMT+01:00) Brussels, Copenhagen, Madrid, Paris 37 : (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna 38 : (GMT+01:00) Windhoek 39 : (GMT+01:00) West Central Africa 40 : (GMT+02:00) Bucharest, Athens 41 : (GMT+02:00) Cairo 42 : (GMT+02:00) Helsinki, Kiev, Riga, Sofia, Tallinn, Vilnius 43 : (GMT+02:00) Istanbul, Minsk 44 : (GMT+02:00) Jerusalem 45 : (GMT+02:00) Harare, Pretoria 46 : (GMT+02:00) E. Europe 47 : (GMT+02:00) Beirut 48 : (GMT+02:00) Damascus 49 : (GMT+02:00) Tripoli 50 : (GMT+02:00) Kaliningrad 51 : (GMT+03:00) Moscow, St. Petersburg, Volgograd 52 : (GMT+03:00) Kuwait, Riyadh 53 : (GMT+03:00) Nairobi 54 : (GMT+03:00) Baghdad 55 : (GMT+03:00) Amman 56 : (GMT+03:30) Tehran 57 : (GMT+04:00) Abu Dhabi, Muscat 58 : (GMT+04:00) Baku 59 : (GMT+04:00) Tbilisi 60 : (GMT+04:00) Yerevan		
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			61 : (GMT+04:00) Port Louis 62 : (GMT+04:30) Kabul 63 : (GMT+05:00) Yekaterinburg 64 : (GMT+05:00) Karachi 65 : (GMT+05:00) Ashgabat, Tashkent 66 : (GMT+05:30) Chennai, Kolkata, Mumbai, New Delhi 67 : (GMT+05:30) Sri Jayawardenepura 68 : (GMT+05:45) Kathmandu 69 : (GMT+06:00) Dhaka 70 : (GMT+06:00) Almaty, Astana 71 : (GMT+06:00) Novosibirsk 72 : (GMT+06:30) Yangon Rangoon 73 : (GMT+07:00) Bangkok, Hanoi, Jakarta 74 : (GMT+07:00) Krasnoyarsk 75 : (GMT+08:00) Beijing, Chongqing, Hong Kong SAR, Urumqi 76 : (GMT+08:00) Kuala Lumpur, Singapore 77 : (GMT+08:00) Taipei 78 : (GMT+08:00) Perth 79 : (GMT+08:00) Irkutsk 80 : (GMT+08:00) Ulaanbaatar 81 : (GMT+09:00) Seoul 82 : (GMT+09:00) Osaka, Sapporo, Tokyo 83 : (GMT+09:00) Yakutsk 84 : (GMT+09:30) Darwin 85 : (GMT+09:30) Adelaide 86 : (GMT+10:00) Canberra, Melbourne, Sydney 87 : (GMT+10:00) Brisbane 88 : (GMT+10:00) Hobart 89 : (GMT+10:00) Vladivostok, Magadan 90 : (GMT+10:00) Guam, Port Moresby 91 : (GMT+11:00) Srednekolymsk 92 : (GMT+11:00) Solomon Islands, New Caledonia 93 : (GMT+12:00) Kamchatka 94 : (GMT+12:00) Fiji Islands, Marshall Islands 95 : (GMT+12:00) Auckland, Wellington 96 : (GMT+13:00) Samoa 97 : (GMT+13:00) Nuku'alofa		
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Hour Counter

Operating hours counters

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
512	0x0200	Info	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
512	0x0200	2	Total operating hours counter	s	U32
514	0x0202	2	Partial operating hours counter	s	U32

Partial operating hours counter reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
528	0x0210	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
528	0x0210	1	Reset command 0 : Reset	-	U16

TopSynchro

External top synchro

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
34896	0x8850	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
34896	0x8850	1	Top synchro command 0 : Disable 1 : Send top synchro	-	U8

Tariff

Tariff Settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
35216	0x8990	Settings	10	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
35216	0x8990	1	Number of tariff used (0 to 8)	-	U16
35217	0x8991	1	Source 0 : Not used 1 : COM 2 : Inputs 3 : Time slots	-	U16
35218	0x8992	1	Start time tariff 1	min	U16
35219	0x8993	1	Start time tariff 2	min	U16
35220	0x8994	1	Start time tariff 3	min	U16
35221	0x8995	1	Start time tariff 4	min	U16
35222	0x8996	1	Start time tariff 5	min	U16
35223	0x8997	1	Start time tariff 6	min	U16
35224	0x8998	1	Start time tariff 7	min	U16
35225	0x8999	1	Start time tariff 8	min	U16

Tariff Set

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
35215	0x898F	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
35215	0x898F	1	Set tariff number 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4	-	U16

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			4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8		
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Tariff in progress

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
35214	0x898E	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
35214	0x898E	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8	-	U16

Tariff Name #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49536	0xC180	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
49536	0xC180	16	Name	-	STRING_NORM

Tariff Name #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49552	0xC190	Settings	16	USER	READ	READ WRITE WRITE_MANY

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Dec address	Hex address	Words count	Description	Unit	Data type
49552	0xC190	16	Name	-	STRING_NORM

Tariff Name #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49568	0xC1A0	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
49568	0xC1A0	16	Name	-	STRING_NORM

Tariff Name #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49584	0xC1B0	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
49584	0xC1B0	16	Name	-	STRING_NORM

Tariff Name #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49600	0xC1C0	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
49600	0xC1C0	16	Name	-	STRING_NORM

Tariff Name #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49616	0xC1D0	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
49616	0xC1D0	16	Name	-	STRING_NORM

Tariff Name #7

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49632	0xC1E0	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
49632	0xC1E0	16	Name	-	STRING_NORM

Tariff Name #8

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
49648	0xC1F0	Settings	16	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
49648	0xC1F0	16	Name	-	STRING_NORM

Communication

Ethernet

Settings

MAC Address						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29152	0x71E0	Info	10	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
29152	0x71E0	10	MAC	-	STRING_NORM

Ethernet settings						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29184	0x7200	Settings	10	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29184	0x7200	2	IP address	-	U32_IP
29186	0x7202	2	Subnet mask	-	U32_IP
29188	0x7204	2	Gateway	-	U32_IP
29190	0x7206	1	DHCP Enable: 0 : Disable 1 : Enable	-	U8
29191	0x7207	1	HTTP port (need reset after modification)	-	U16
29192	0x7208	2	DNS IP Address	-	U32_IP

SSDP

Email sender

<i>SMTP client settings</i>						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30720	0x7800	Settings	67	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
30720	0x7800	1	Activation : 0 : Disabled 1 : Enabled	-	U16
30721	0x7801	25	SMTP server address	-	STRING_NORM
30746	0x781A	2	Resolved server IP (ReadOnly)	-	U32_IP
30748	0x781C	1	Port	-	U16
30749	0x781D	1	Secured port	-	U16
30750	0x781E	1	Security 0 : Disabled 1 : Enabled	-	U16
30751	0x781F	1	Authentication 0 : Disabled 1 : Enabled	-	U16
30752	0x7820	25	Username	-	STRING_NORM
30777	0x7839	10	Reserved	-	-

<i>SMTP password</i>						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30800	0x7850	Commands	10	USER	NONE	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
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30800	0x7850	10	Password	-	STRING_NORM
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Email settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30816	0x7860	Settings	103	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
30816	0x7860	25	Source email address	-	STRING_NORM
30841	0x7879	25	Destination email address #1	-	STRING_NORM
30866	0x7892	25	Destination email address #2	-	STRING_NORM
30891	0x78AB	25	Destination email address #3	-	STRING_NORM
30916	0x78C4	1	Language	-	STRING_NORM
30917	0x78C5	1	Criticality threshold 0 : Information 1 : Not critical 2 : Critical	-	U16
30918	0x78C6	1	Cycle time	min	U16

Email available languages

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
31088	0x7970	Info	20	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
31088	0x7970	1	Language 1	-	STRING_NORM
31089	0x7971	1	Language 2	-	STRING_NORM
31090	0x7972	1	Language 3	-	STRING_NORM
31091	0x7973	1	Language 4	-	STRING_NORM
31092	0x7974	1	Language 5	-	STRING_NORM
31093	0x7975	1	Language 6	-	STRING_NORM

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31094	0x7976	1	Language 7	-	STRING_NORM
31095	0x7977	1	Language 8	-	STRING_NORM
31096	0x7978	1	Language 9	-	STRING_NORM
31097	0x7979	1	Language 10	-	STRING_NORM
31098	0x797A	1	Language 11	-	STRING_NORM
31099	0x797B	1	Language 12	-	STRING_NORM
31100	0x797C	1	Language 13	-	STRING_NORM
31101	0x797D	1	Language 14	-	STRING_NORM
31102	0x797E	1	Language 15	-	STRING_NORM
31103	0x797F	1	Language 16	-	STRING_NORM
31104	0x7980	1	Language 17	-	STRING_NORM
31105	0x7981	1	Language 18	-	STRING_NORM
31106	0x7982	1	Language 19	-	STRING_NORM
31107	0x7983	1	Language 20	-	STRING_NORM

Email test

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
31120	0x7990	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
31120	0x7990	1	Send test email 0 : N/A 1 : Send email	-	U8

Diag

Ethernet (uC TCP/IP v2) Connection status resume

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20736	0x5100	Info	30	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20736	0x5100	2	Total bytes received	-	U32
20738	0x5102	2	Maximum bytes/second received	-	U32
20740	0x5104	2	Total packet received	-	U32
20742	0x5106	2	Total packet received and processed	-	U32
20744	0x5108	2	Maximum packet/second received	-	U32
20746	0x510A	2	Total bytes transmitted	-	U32
20748	0x510C	2	Maximum bytes/second transmitted	-	U32
20750	0x510E	2	Total packet transmitted	-	U32
20752	0x5110	2	Total packet transmitted and processed	-	U32
20754	0x5112	2	Maximum packet/second transmitted	-	U32
20756	0x5114	2	Rx packets with invalid/unsupported protocol	-	U32
20758	0x5116	2	Rx packets discarded	-	U32
20760	0x5118	2	Tx packets with invalid/unsupported protocol	-	U32
20762	0x511A	2	Tx packets discarded	-	U32
20764	0x511C	2	Number of buffers lost/discared	-	U32

Web server (uC HTTP v2) Connection status resume

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
21248	0x5300	Info	38	None	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
21248	0x5300	2	Accepted connection counter	-	U32
21250	0x5302	2	Closed connection counter	-	U32

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21252	0x5304	2	Received requests counter	-	U32
21254	0x5306	2	Processed requests counter	-	U32
21256	0x5308	2	Sent responses counter	-	U32
21258	0x530A	2	Processed CGI counter	-	U32
21260	0x530C	2	Opened file counter	-	U32
21262	0x530E	2	Closed file counter	-	U32
21264	0x5310	2	Non available connection errors	-	U32
21266	0x5312	2	Timer start errors	-	U32
21268	0x5314	2	Timeout errors	-	U32
21270	0x5316	2	CGI Pool empty errors	-	U32
21272	0x5318	2	File pointer null errors	-	U32
21274	0x531A	2	File Type errors	-	U32
21276	0x531C	2	File not exist errors	-	U32
21278	0x531E	2	Socket listen errors	-	U32
21280	0x5320	2	Socket accept errors	-	U32
21282	0x5322	2	Socket select errors	-	U32
21284	0x5324	2	Socket close errors	-	U32

Protocols status

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
21760	0x5500	Info	5	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
21760	0x5500	1	SMTP status 0 : N/A 1 : NOT_ACTIVE 2 : READY 3 : ACTIVE 4 : NO_TEMPLATE_ERROR 5 : CONNECTION_ERROR 6 : MESSAGE_ERROR 7 : SEND_ERROR	-	U16
21761	0x5501	1	SNTP status 0 : N/A	-	U16

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			1 : NOT_ACTIVE 2 : ACTIVE 3 : CONNECTION_ERROR		
21762	0x5502	1	AER status 0 : Running 1 : Running with some products deactivated 2 : Stopped	-	U16
21763	0x5503	1	Reserved	-	-
21764	0x5504	1	FTP status 0 : N/A 1 : INACTIVE 2 : CONNECTION_ERROR 3 : SEND_ERROR 4 : ACTIVE	-	U16

Password CRC

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
15872	0x3E00	Info	8	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
15872	0x3E00	2	SMTP Password CRC	-	U32_HEX
15874	0x3E02	2	FTP Password CRC	-	U32_HEX
15876	0x3E04	2	SNMP Read Password CRC	-	U32_HEX
15878	0x3E06	2	SNMP Write Password CRC	-	U32_HEX

Modbus TCP status

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20816	0x5150	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
20816	0x5150	1	Connection ID (from 0 to 3)	-	U16

Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20817	0x5151	Header	3	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20817	0x5151	1	Next record number	-	U16
20818	0x5152	1	Items count (1 per request)	-	U16
20819	0x5153	1	Item size (words)	-	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20820	0x5154	Data	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20820	0x5154	2	Client IP	-	U32_IP
20822	0x5156	2	Rx	-	U32
20824	0x5158	2	Tx	-	U32

Modbus RTU over TCP status

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20832	0x5160	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
20832	0x5160	1	Connection ID (from 0 to 3)	-	U16

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Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20833	0x5161	Header	3	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20833	0x5161	1	Next record number	-	U16
20834	0x5162	1	Items count (1 per request)	-	U16
20835	0x5163	1	Item size (words)	-	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20836	0x5164	Data	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20836	0x5164	2	Client IP	-	U32_IP
20838	0x5166	2	Rx	-	U32
20840	0x5168	2	Tx	-	U32

Modbus

Access

Slave address						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57344	0xE000	Settings	1	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57344	0xE000	1	Slave Address	-	U8

Lock system

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
58112	0xE300	Settings	2	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
58112	0xE300	1	Code to submit	-	U16
58113	0xE301	1	Delocker ID	-	U16

OverRS

Modbus slave connection settings RS485

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57345	0xE001	Settings	3	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57345	0xE001	1	Baudrate : 3 : 9600 4 : 19200 5 : 38400 6 : 57600 7 : 115200	-	U8
57346	0xE002	1	Stop bit : 0 : 1 1 : 2	-	U8
57347	0xE003	1	Parity : 0 : None 1 : Odd 2 : Even	-	U8

Flags

Diag

Modbus diag						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
880	0x0370	Info	12	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
880	0x0370	2	SlaveRxRequestCnt	-	U32
882	0x0372	2	SlaveTxRequestCnt	-	U32
884	0x0374	2	SlaveErrorCnt	-	U32
886	0x0376	2	Reserved	-	-
888	0x0378	2	Reserved	-	-
890	0x037A	2	Reserved	-	-

Modbus diag reset						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
879	0x036F	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
879	0x036F	1	Modbus diag reset 0 : No action 1 : Reset slave statistics 2 : Reset gateway statistics	-	U16

Profibus

Slave address

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
8832	0x2280	Settings	1	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
8832	0x2280	1	Slave Address	-	U8

Settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
8704	0x2200	Settings	2	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
8704	0x2200	1	Send Ext. Param. 0 : NO 1 : YES	-	U16
8705	0x2201	1	Send Ext. Diag. 0 : NO 1 : YES	-	U16

Custom Module

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
8960	0x2300	Settings	32	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
8960	0x2300	1	Address var. 1	-	U16
8961	0x2301	1	Size var. 1	-	U16

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8962	0x2302	1	Address var. 2	-	U16
8963	0x2303	1	Size var. 2	-	U16
8964	0x2304	1	Address var. 3	-	U16
8965	0x2305	1	Size var. 3	-	U16
8966	0x2306	1	Address var. 4	-	U16
8967	0x2307	1	Size var. 4	-	U16
8968	0x2308	1	Address var. 5	-	U16
8969	0x2309	1	Size var. 5	-	U16
8970	0x230A	1	Address var. 6	-	U16
8971	0x230B	1	Size var. 6	-	U16
8972	0x230C	1	Address var. 7	-	U16
8973	0x230D	1	Size var. 7	-	U16
8974	0x230E	1	Address var. 8	-	U16
8975	0x230F	1	Size var. 8	-	U16
8976	0x2310	1	Address var. 9	-	U16
8977	0x2311	1	Size var. 9	-	U16
8978	0x2312	1	Address var. 10	-	U16
8979	0x2313	1	Size var. 10	-	U16
8980	0x2314	1	Address var. 11	-	U16
8981	0x2315	1	Size var. 11	-	U16
8982	0x2316	1	Address var. 12	-	U16
8983	0x2317	1	Size var. 12	-	U16
8984	0x2318	1	Address var. 13	-	U16
8985	0x2319	1	Size var. 13	-	U16
8986	0x231A	1	Address var. 14	-	U16
8987	0x231B	1	Size var. 14	-	U16
8988	0x231C	1	Address var. 15	-	U16
8989	0x231D	1	Size var. 15	-	U16
8990	0x231E	1	Address var. 16	-	U16
8991	0x231F	1	Size var. 16	-	U16

BACnet

BACnet Settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37376	0x9200	Settings	4	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
37376	0x9200	1	BACnet Activation 0 : Disabled 1 : Enabled	-	U8
37377	0x9201	2	BACnet Main Instance ID	-	U32
37379	0x9203	1	BACnet Virtual Network ID	-	U16

IoT

FTP

Settings

FTP client connection settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
17664	0x4500	Settings	78	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
17664	0x4500	25	FTP server Adress	-	STRING_NORM
17689	0x4519	2	Resolved server IP (ReadOnly)	-	U32_IP
17691	0x451B	1	FTP server Port	-	U16

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17692	0x451C	16	FTP Username	-	STRING_NORM
17708	0x452C	16	Reserved	-	-
17724	0x453C	16	FTP Repository	-	STRING_NORM
17740	0x454C	1	FTP server security Enable 0 : Security disabled 1 : Security enabled	-	U8
17741	0x454D	1	FTP server secured Port	-	U16

File transfert settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
17920	0x4600	Settings	33	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
17920	0x4600	1	File transfert enabled 0 : NO 1 : YES	-	U8
17921	0x4601	2	Reserved	-	-
17923	0x4603	2	Cycle time Index	s	U32
17925	0x4605	2	Cycle Time Trend	s	U32
17927	0x4607	2	Reserved	-	-
17929	0x4609	2	Reserved	-	-
17931	0x460B	2	Cycle Time Load curves	s	U32
17933	0x460D	1	Enable logs 0 : Disabled 1 : Enabled	-	U8
17934	0x460E	1	File Format 0 : User-Friendly Format 1 : Hyperview Format	-	U8
17935	0x460F	5	Customer Site ID	-	STRING_NORM
17940	0x4614	3	Gateway ID	-	STRING_NORM
17943	0x4617	2	Reference Transfert Date Index	s	U32
17945	0x4619	2	Reference Transfert Date Trend	s	U32

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17947	0x461B	2	Reserved	-	-
17949	0x461D	2	Reserved	-	-
17951	0x461F	2	Reference Transfert Date Load curves	s	U32

Type selection

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
18016	0x4660	Settings	5	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
18016	0x4660	1	Energy curves (Indexes) 0 : Deactivated 1 : Activated	-	U16
18017	0x4661	1	Trend curves (AVG) 0 : Deactivated 1 : Activated	-	U16
18018	0x4662	1	Reserved	-	-
18019	0x4663	1	Reserved	-	-
18020	0x4664	1	Load curves (P10) 0 : Deactivated 1 : Activated	-	U16

FTP client password

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
17744	0x4550	Commands	16	USER	NONE	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
17744	0x4550	16	FTP Password	-	STRING_NORM

Tests and manual commands

Manual Commands						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
18048	0x4680	Commands	9	USER	NONE	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
18048	0x4680	1	Send a Test file to current FTP Server 0 : N/A 1 : Send the file	-	U8
18049	0x4681	1	Force FTP Transfer Now 0 : N/A 1 : Send now	-	U8
18050	0x4682	1	Clear Last Generation Date (no delta for next generation) 0 : N/A 1 : Clear	-	U8
18051	0x4683	2	Reserved	-	-
18053	0x4685	2	Reserved	-	-
18055	0x4687	1	Delete KeyID Mappings 0 : N/A 1 : Delete History 2 : Delete History and Reference Mappings 3 : Delete History and Reference Mappings, and Rebuild immediately 4 : Re-initialize start value of Next KeyID	-	U8
18056	0x4688	1	Send a Test file to test FTP Server 0 : N/A 1 : Send the file	-	U8

FTP connection test						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
17776	0x4570	Settings	77	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
17776	0x4570	25	FTP Test server IP	-	STRING_NORM
17801	0x4589	1	FTP Test server Port	-	U16
17802	0x458A	16	FTP Test Username	-	STRING_NORM
17818	0x459A	16	FTP Test Password	-	STRING_NORM
17834	0x45AA	16	FTP Test Repository	-	STRING_NORM
17850	0x45BA	1	FTP Test Last Result 0 : N/A 1 : INACTIVE 2 : CONNECTION_ERROR 3 : SEND_ERROR 4 : ACTIVE	-	U16
17851	0x45BB	1	FTP Test server security Enable	-	U8
17852	0x45BC	1	FTP Test server secured Port	-	U16

Display

Screen interface settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
28928	0x7100	Settings	6	SUPERUSER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
28928	0x7100	1	Language 0 : English 1 : French 2 : German 3 : Italian 4 : Polish 5 : Spanish 6 : Turkish 7 : Flemish 8 : Chinese	-	U16
28929	0x7101	1	Backlight intensity	-	U16

28930	0x7102	1	Backlight timeout	s	U16
28931	0x7103	1	Contrast 0 : Dark 1 : Medium 2 : Light	-	U16
28932	0x7104	1	Reserved	-	-
28933	0x7105	1	Screensaver timeout	s	U16

Commissioning

Network

Settings

<i>NetCnx settings</i>						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12288	0x3000	Settings	9	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
12288	0x3000	1	Network connection type 0 : Not defined 1 : 1P + N 2 : 2P 3 : 2P + N 4 : 3P 5 : 3P + N	-	U8
12289	0x3001	2	Nominal Voltage	V	U32
12291	0x3003	1	Nominal Frequency 0 : 50 Hz - eDefFnom_50Hz 1 : 60 Hz - eDefFnom_60Hz	-	U8

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12292	0x3004	1	Phase rotation 0 : V1 - V2 - V3 1 : V1 - V3 - V2	-	U8
12293	0x3005	1	Voltage transformer used 0 : NO 1 : YES	-	U8
12294	0x3006	2	Voltage transformer rate : primary	-	U32
12296	0x3008	1	Voltage transformer rate : secondary	-	U16

Diagnostic

NetCnx computed

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12320	0x3020	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
12320	0x3020	1	Computed : Network connection type 0 : Not computed 1 : 1P + N 2 : 2P 3 : 2P + N 4 : 3P 5 : 3P + N	-	U8
12321	0x3021	2	Computed : Nominal Voltage	V	U32
12323	0x3023	1	Computed : Nominal Frequency 0 : 50 Hz - eDefFnom_50Hz 1 : 60 Hz - eDefFnom_60Hz 2 : NU - Error	-	U8
12324	0x3024	1	Computed : Phase rotation 0 : V1 - V2 - V3 1 : V1 - V3 - V2	-	U8
12325	0x3025	1	Diagnosticated : Network connection type 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8

12326	0x3026	1	Diagnosticated : Nominal Voltage 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12327	0x3027	1	Diagnosticated : Nominal Frequency 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12328	0x3028	1	Diagnosticated : Phase rotation 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8

Network wiring

Network wiring

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12336	0x3030	Settings	4	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
12336	0x3030	1	Hw Line VA 0 : V1 1 : V2 2 : V3 3 : Vn	-	U16
12337	0x3031	1	Hw Line VB 0 : V1 1 : V2 2 : V3 3 : Vn	-	U16
12338	0x3032	1	Hw Line VC 0 : V1 1 : V2 2 : V3 3 : Vn	-	U16

12339	0x3033	1	Hw Line VD 0 : V1 1 : V2 2 : V3 3 : Vn	-	U16
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Current lines

Settings

LineICnx settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
13568	0x3500	Settings	12	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
13568	0x3500	1	LineI1 : IPrim	A	U16
13569	0x3501	1	LineI1 : Way 0 : Positive (+) 1 : Negative (-)	-	U8
13570	0x3502	1	LineI1 : associated LineV 0 : V1 1 : V2 2 : V3 3 : Vn 4 : U12 5 : U23 6 : U31 8 : Undefined	-	U8
13571	0x3503	1	LineI2 : IPrim	A	U16
13572	0x3504	1	LineI2 : Way 0 : Positive (+) 1 : Negative (-)	-	U8
13573	0x3505	1	LineI2 : associated LineV 0 : V1	-	U8

			1 : V2 2 : V3 3 : Vn 4 : U12 5 : U23 6 : U31 8 : Undefined		
13574	0x3506	1	LineI3 : IPrim	A	U16
13575	0x3507	1	LineI3 : Way 0 : Positive (+) 1 : Negative (-)	-	U8
13576	0x3508	1	LineI3 : associated LineV 0 : V1 1 : V2 2 : V3 3 : Vn 4 : U12 5 : U23 6 : U31 8 : Undefined	-	U8
13577	0x3509	1	Reserved	-	-
13578	0x350A	1	Reserved	-	-
13579	0x350B	1	Reserved	-	-

Diagnostic

LineICnx computed

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
13616	0x3530	Info	37	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
13616	0x3530	1	Computed : Number of CT	-	U8
13617	0x3531	1	Computed : LineI1 : Used 0 : Not connected 1 : Connected	-	U8

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13618	0x3532	1	Computed : LineI1 : OnLoad 0 : Not on load 1 : On load	-	U8
13619	0x3533	1	Computed : LineI1 : IPrim	A	U16
13620	0x3534	1	Computed : LineI1 : CT Adapt 0 : NO 1 : YES	-	U8
13621	0x3535	1	Computed : LineI1 : Way 0 : Positive (+) 1 : Negative (-)	-	U8
13622	0x3536	1	Computed : LineI1 : associated LineV 0 : V1 1 : V2 2 : V3 3 : Vn 4 : U12 5 : U23 6 : U31 8 : Undefined	-	U8
13623	0x3537	1	Computed : LineI2 : Used 0 : Not connected 1 : Connected	-	U8
13624	0x3538	1	Computed : LineI2 : OnLoad 0 : Not on load 1 : On load	-	U8
13625	0x3539	1	Computed : LineI2 : IPrim	A	U16
13626	0x353A	1	Computed : LineI2 : CT Adapt 0 : NO 1 : YES	-	U8
13627	0x353B	1	Computed : LineI2 : Way 0 : Positive (+) 1 : Negative (-)	-	U8
13628	0x353C	1	Computed : LineI2 : associated LineV 0 : V1 1 : V2 2 : V3 3 : Vn 4 : U12 5 : U23 6 : U31 8 : Undefined	-	U8

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13629	0x353D	1	Computed : LineI3 : Used 0 : Not connected 1 : Connected	-	U8
13630	0x353E	1	Computed : LineI3 : OnLoad 0 : Not on load 1 : On load	-	U8
13631	0x353F	1	Computed : LineI3 : IPrim	A	U16
13632	0x3540	1	Computed : LineI3 : CT Adapt 0 : NO 1 : YES	-	U8
13633	0x3541	1	Computed : LineI3 : Way 0 : Positive (+) 1 : Negative (-)	-	U8
13634	0x3542	1	Computed : LineI3 : associated LineV 0 : V1 1 : V2 2 : V3 3 : Vn 4 : U12 5 : U23 6 : U31 8 : Undefined	-	U8
13635	0x3543	1	Reserved	-	-
13636	0x3544	1	Reserved	-	-
13637	0x3545	1	Reserved	-	-
13638	0x3546	1	Reserved	-	-
13639	0x3547	1	Reserved	-	-
13640	0x3548	1	Reserved	-	-
13641	0x3549	1	Diagnosticated : LineI1 : IPrim 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13642	0x354A	1	Diagnosticated : LineI1 : Way 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13643	0x354B	1	Diagnosticated : LineI1 : associated LineV 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8

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13644	0x354C	1	Diagnosticated : LineI2 : IPrim 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13645	0x354D	1	Diagnosticated : LineI2 : Way 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13646	0x354E	1	Diagnosticated : LineI2 : associated LineV 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13647	0x354F	1	Diagnosticated : LineI3 : IPrim 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13648	0x3550	1	Diagnosticated : LineI3 : Way 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13649	0x3551	1	Diagnosticated : LineI3 : associated LineV 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
13650	0x3552	1	Reserved	-	-
13651	0x3553	1	Reserved	-	-
13652	0x3554	1	Reserved	-	-

CT

CT Smart Sensor #1						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12544	0x3100	Info	48	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
12544	0x3100	1	Auto detection : 0 : Disabled 1 : Enabled	-	U8
12545	0x3101	1	Compensation : 0 : Disabled 1 : Enabled	-	U8
12546	0x3102	10	Description	-	STRING_NORM
12556	0x310C	1	Connection : 0 : Error 1 : Analogic 2 : Digital 3 : 5A 4 : CT Adapt 5 : CTA	-	U8
12557	0x310D	1	Compensation type : 0 : Unknown 1 : Linear 2 : Logarithmic 3 : Constant 4 : CTA	-	U8
12558	0x310E	1	ID	-	U16
12559	0x310F	1	Caliber	A	U16
12560	0x3110	1	Calibration Period	-	U16
12561	0x3111	1	Nb compensation slopes	-	U8
12562	0x3112	2	Calibration timestamp	-	DATETIME
12564	0x3114	10	Calibration bench	-	STRING_NORM
12574	0x311E	10	Serial number	-	STRING_NORM
12584	0x3128	1	SW version (Major)	-	U16

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12585	0x3129	1	SW version (Minor)	-	U16
12586	0x312A	1	SW version (Revision)	-	U16
12587	0x312B	1	SW version (Build)	-	U16
12588	0x312C	2	SW build date	-	DATETIME
12590	0x312E	1	Current compensation Gain	-	U16
12591	0x312F	1	Current compensation Phase	-	S16

CT Smart Sensor #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12608	0x3140	Info	48	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
12608	0x3140	1	Auto detection : 0 : Disabled 1 : Enabled	-	U8
12609	0x3141	1	Compensation : 0 : Disabled 1 : Enabled	-	U8
12610	0x3142	10	Description	-	STRING_NORM
12620	0x314C	1	Connection : 0 : Error 1 : Analogic 2 : Digital 3 : 5A 4 : CT Adapt 5 : CTA	-	U8
12621	0x314D	1	Compensation type : 0 : Unknown 1 : Linear 2 : Logarithmic 3 : Constant 4 : CTA	-	U8
12622	0x314E	1	ID	-	U16
12623	0x314F	1	Caliber	A	U16
12624	0x3150	1	Calibration Period	-	U16

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12625	0x3151	1	Nb compensation slopes	-	U8
12626	0x3152	2	Calibration timestamp	-	DATETIME
12628	0x3154	10	Calibration bench	-	STRING_NORM
12638	0x315E	10	Serial number	-	STRING_NORM
12648	0x3168	1	SW version (Major)	-	U16
12649	0x3169	1	SW version (Minor)	-	U16
12650	0x316A	1	SW version (Revision)	-	U16
12651	0x316B	1	SW version (Build)	-	U16
12652	0x316C	2	SW build date	-	DATETIME
12654	0x316E	1	Current compensation Gain	-	U16
12655	0x316F	1	Current compensation Phase	-	S16

CT Smart Sensor #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12672	0x3180	Info	48	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
12672	0x3180	1	Auto detection : 0 : Disabled 1 : Enabled	-	U8
12673	0x3181	1	Compensation : 0 : Disabled 1 : Enabled	-	U8
12674	0x3182	10	Description	-	STRING_NORM
12684	0x318C	1	Connection : 0 : Error 1 : Analogic 2 : Digital 3 : 5A 4 : CT Adapt 5 : CTA	-	U8
12685	0x318D	1	Compensation type : 0 : Unknown 1 : Linear	-	U8

			2 : Logarithmic 3 : Constant 4 : CTA		
12686	0x318E	1	ID	-	U16
12687	0x318F	1	Caliber	A	U16
12688	0x3190	1	Calibration Period	-	U16
12689	0x3191	1	Nb compensation slopes	-	U8
12690	0x3192	2	Calibration timestamp	-	DATETIME
12692	0x3194	10	Calibration bench	-	STRING_NORM
12702	0x319E	10	Serial number	-	STRING_NORM
12712	0x31A8	1	SW version (Major)	-	U16
12713	0x31A9	1	SW version (Minor)	-	U16
12714	0x31AA	1	SW version (Revision)	-	U16
12715	0x31AB	1	SW version (Build)	-	U16
12716	0x31AC	2	SW build date	-	DATETIME
12718	0x31AE	1	Current compensation Gain	-	U16
12719	0x31AF	1	Current compensation Phase	-	S16

Current lines wiring

Current lines wiring						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12352	0x3040	Settings	3	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
12352	0x3040	1	Hw Line IA 4 : I1 5 : I2 6 : I3	-	U16

12353	0x3041	1	Hw Line IB 4 : I1 5 : I2 6 : I3	-	U16
12354	0x3042	1	Hw Line IC 4 : I1 5 : I2 6 : I3	-	U16

Loads

Settings

Load settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
13824	0x3600	Settings	42	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
13824	0x3600	1	Reserved	-	-
13825	0x3601	1	Type 0 : Undefined 1 : 1P+N-1CT 2 : 2P-1CT 3 : 2P+N-2CT 4 : 3P-1CT 5 : 3P-2CT 6 : 3P-3CT 7 : 3P+N-1CT 8 : 3P+N-3CT	-	U8
13826	0x3602	1	Reserved	-	-
13827	0x3603	1	Reserved	-	-
13828	0x3604	1	Reserved	-	-
13829	0x3605	1	Reserved	-	-

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13830	0x3606	1	Inom	A	U16
13831	0x3607	1	Active power sign 0 : Consumer (P>0) 1 : Producer (P<0)	-	U8
13832	0x3608	1	Nature (read only) 0 : Electricity	-	U8
13833	0x3609	1	Usage 0 : Heating 1 : Ventilation 2 : Air Conditionning 3 : Auxiliary Fan Pump 4 : Indoor Lighting 5 : Outdoor Lighting 6 : Socket 7 : Hot Water Domestic 8 : Hot Water 9 : Cold Water 10 : Ice Water 11 : Refrigerating Production 12 : Photovoltaics 13 : Wind 14 : IT 15 : Process 16 : Usage 1 17 : Usage 2 18 : Usage 3 19 : Undefined 20 : Custom Usage	-	U8
13834	0x360A	16	Name	-	STRING_NORM
13850	0x361A	16	Custom usage	-	STRING_NORM

Diagnostic

Load computed						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
14080	0x3700	Info	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
14080	0x3700	1	Computed : Type 0 : Undefined 1 : 1P+N-1CT 2 : 2P-1CT 3 : 2P+N-2CT 4 : 3P-1CT 5 : 3P-2CT 6 : 3P-3CT 7 : 3P+N-1CT 8 : 3P+N-3CT	-	U8
14081	0x3701	1	Computed : Inom	A	U16
14082	0x3702	1	Computed : On Load 0 : Not on load 1 : On load	-	U8
14083	0x3703	1	Diagnosticated : Type 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
14084	0x3704	1	Diagnosticated : Inom 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
14085	0x3705	1	Voltage Detection Feature Available 0 : Not available 1 : Available 2 : Not enough iTR	-	U8

Load settings diag						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
14208	0x3780	Info	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
14208	0x3780	1	NetType incompatibility Error 0 : No Error 1 : Error	-	U8
14209	0x3781	1	CTList Error 0 : No Error 1 : Error	-	U8
14210	0x3782	1	CTWiring Error 0 : No Error 1 : Error	-	U8
14211	0x3783	1	CTPrim Error 0 : No Error 1 : Error	-	U8

Power Monitoring AC

Settings

Power measurement settings						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
34816	0x8800	Settings	9	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
34816	0x8800	1	Integration time for instantaneous	s / 5	U16
34817	0x8801	1	Integration time for average	min	U16
34818	0x8802	1	Compute method for reactive and apparent powers : 0 : Arithmetic 1 : Vector	-	U16
34819	0x8803	1	THD type : 0 : THD (fundamental) 1 : thd (RMS)	-	U16

34820	0x8804	1	THD method : 0 : Total 1 : Spectrum	-	U16
34821	0x8805	1	THD spectrum limit : 0 : Rank 40 1 : Rank 63	-	U16
34822	0x8806	1	Phase to neutral voltage lowest level	V	U16
34823	0x8807	1	PF convention 0 : IEC 1 : IEEE	-	U16
34824	0x8808	1	Average min/max mode 0 : Normal 1 : Envelope	-	U16

Network

Inst

Network Inst						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36864	0x9000	Info	37	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36864	0x9000	2	Date of last instance	s	DATETIME
36866	0x9002	1	Integration time	s / 5	U16
36867	0x9003	2	System Ph-N Voltage	V 10 ⁻²	U32
36869	0x9005	2	System Ph-Ph Voltage	V 10 ⁻²	U32
36871	0x9007	2	Frequency	mHz	U32
36873	0x9009	2	Ph-N Voltage : V1	V 10 ⁻²	U32
36875	0x900B	2	Ph-N Voltage : V2	V 10 ⁻²	U32

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36877	0x900D	2	Ph-N Voltage : V3	V 10 ⁻²	U32
36879	0x900F	2	Ph-N Voltage : Vn	V 10 ⁻²	U32
36881	0x9011	2	Ph-Ph Voltage : U12	V 10 ⁻²	U32
36883	0x9013	2	Ph-Ph Voltage : U23	V 10 ⁻²	U32
36885	0x9015	2	Ph-Ph Voltage : U31	V 10 ⁻²	U32
36887	0x9017	2	Vdir	V 10 ⁻²	U32
36889	0x9019	2	Vinv	V 10 ⁻²	U32
36891	0x901B	2	Vhom	V 10 ⁻²	U32
36893	0x901D	1	Vnb	% / 100	U16
36894	0x901E	2	Udir	V 10 ⁻²	U32
36896	0x9020	2	Uinv	V 10 ⁻²	U32
36898	0x9022	1	Unb	% / 100	U16
36899	0x9023	1	Vnba	% / 100	U16
36900	0x9024	1	Unba	% / 100	U16

Network Inst. fundamental

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37120	0x9100	Info	38	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37120	0x9100	2	Date of last instance	s	DATETIME
37122	0x9102	1	Integration time	s / 5	U16
37123	0x9103	2	Ph-N voltage: V1h1	V 10 ⁻²	U32
37125	0x9105	2	Ph-N voltage: V2h1	V 10 ⁻²	U32
37127	0x9107	2	Ph-N voltage: V3h1	V 10 ⁻²	U32
37129	0x9109	2	Ph-N voltage: Vnh1	V 10 ⁻²	U32
37131	0x910B	1	Ph-N voltage phase: phV1h1	? / 10	S16
37132	0x910C	1	Ph-N voltage phase: phV2h1	? / 10	S16
37133	0x910D	1	Ph-N voltage phase: phV3h1	? / 10	S16
37134	0x910E	1	Ph-N voltage phase: phVnh1	? / 10	S16
37135	0x910F	2	Ph-Ph voltage: U12h1	V 10 ⁻²	U32

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37137	0x9111	2	Ph-Ph voltage: U23h1	V 10 ⁻²	U32
37139	0x9113	2	Ph-Ph voltage: U31h1	V 10 ⁻²	U32
37141	0x9115	1	Ph-Ph voltage phase: phU12h1	? / 10	S16
37142	0x9116	1	Ph-Ph voltage phase: phU23h1	? / 10	S16
37143	0x9117	1	Ph-Ph voltage phase: phU31h1	? / 10	S16
37144	0x9118	1	Ph-N Voltage total harmonic distortion : THD V1	% / 100	U16
37145	0x9119	1	Ph-N Voltage total harmonic distortion : THD V2	% / 100	U16
37146	0x911A	1	Ph-N Voltage total harmonic distortion : THD V3	% / 100	U16
37147	0x911B	1	Ph-Ph Voltage total harmonic distortion : THD U12	% / 100	U16
37148	0x911C	1	Ph-Ph Voltage total harmonic distortion : THD U23	% / 100	U16
37149	0x911D	1	Ph-Ph Voltage total harmonic distortion : THD U31	% / 100	U16
37150	0x911E	1	System THD V	% / 100	U16
37151	0x911F	1	System THD U	% / 100	U16
37152	0x9120	1	Crest factor : V1	- / 1000	U16
37153	0x9121	1	Crest factor : V2	- / 1000	U16
37154	0x9122	1	Crest factor : V3	- / 1000	U16
37155	0x9123	1	Crest factor : U12	- / 1000	U16
37156	0x9124	1	Crest factor : U23	- / 1000	U16
37157	0x9125	1	Crest factor : U31	- / 1000	U16

Network Inst. V harmonics

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37504	0x9280	Info	81	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37504	0x9280	1	harmonic V1 row 2	% / 100	U16
37505	0x9281	1	harmonic V2 row 2	% / 100	U16
37506	0x9282	1	harmonic V3 row 2	% / 100	U16
37507	0x9283	1	harmonic V1 row 3	% / 100	U16
37508	0x9284	1	harmonic V2 row 3	% / 100	U16
37509	0x9285	1	harmonic V3 row 3	% / 100	U16

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37510	0x9286	1	harmonic V1 row 4	% / 100	U16
37511	0x9287	1	harmonic V2 row 4	% / 100	U16
37512	0x9288	1	harmonic V3 row 4	% / 100	U16
37513	0x9289	1	harmonic V1 row 5	% / 100	U16
37514	0x928A	1	harmonic V2 row 5	% / 100	U16
37515	0x928B	1	harmonic V3 row 5	% / 100	U16
37516	0x928C	1	harmonic V1 row 6	% / 100	U16
37517	0x928D	1	harmonic V2 row 6	% / 100	U16
37518	0x928E	1	harmonic V3 row 6	% / 100	U16
37519	0x928F	1	harmonic V1 row 7	% / 100	U16
37520	0x9290	1	harmonic V2 row 7	% / 100	U16
37521	0x9291	1	harmonic V3 row 7	% / 100	U16
37522	0x9292	1	harmonic V1 row 8	% / 100	U16
37523	0x9293	1	harmonic V2 row 8	% / 100	U16
37524	0x9294	1	harmonic V3 row 8	% / 100	U16
37525	0x9295	1	harmonic V1 row 9	% / 100	U16
37526	0x9296	1	harmonic V2 row 9	% / 100	U16
37527	0x9297	1	harmonic V3 row 9	% / 100	U16
37528	0x9298	1	harmonic V1 row 10	% / 100	U16
37529	0x9299	1	harmonic V2 row 10	% / 100	U16
37530	0x929A	1	harmonic V3 row 10	% / 100	U16
37531	0x929B	1	harmonic V1 row 11	% / 100	U16
37532	0x929C	1	harmonic V2 row 11	% / 100	U16
37533	0x929D	1	harmonic V3 row 11	% / 100	U16
37534	0x929E	1	harmonic V1 row 12	% / 100	U16
37535	0x929F	1	harmonic V2 row 12	% / 100	U16
37536	0x92A0	1	harmonic V3 row 12	% / 100	U16
37537	0x92A1	1	harmonic V1 row 13	% / 100	U16
37538	0x92A2	1	harmonic V2 row 13	% / 100	U16
37539	0x92A3	1	harmonic V3 row 13	% / 100	U16
37540	0x92A4	1	harmonic V1 row 14	% / 100	U16
37541	0x92A5	1	harmonic V2 row 14	% / 100	U16

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37542	0x92A6	1	harmonic V3 row 14	% / 100	U16
37543	0x92A7	1	harmonic V1 row 15	% / 100	U16
37544	0x92A8	1	harmonic V2 row 15	% / 100	U16
37545	0x92A9	1	harmonic V3 row 15	% / 100	U16
37546	0x92AA	1	harmonic V1 row 16	% / 100	U16
37547	0x92AB	1	harmonic V2 row 16	% / 100	U16
37548	0x92AC	1	harmonic V3 row 16	% / 100	U16
37549	0x92AD	1	harmonic V1 row 17	% / 100	U16
37550	0x92AE	1	harmonic V2 row 17	% / 100	U16
37551	0x92AF	1	harmonic V3 row 17	% / 100	U16
37552	0x92B0	1	harmonic V1 row 18	% / 100	U16
37553	0x92B1	1	harmonic V2 row 18	% / 100	U16
37554	0x92B2	1	harmonic V3 row 18	% / 100	U16
37555	0x92B3	1	harmonic V1 row 19	% / 100	U16
37556	0x92B4	1	harmonic V2 row 19	% / 100	U16
37557	0x92B5	1	harmonic V3 row 19	% / 100	U16
37558	0x92B6	1	harmonic V1 row 20	% / 100	U16
37559	0x92B7	1	harmonic V2 row 20	% / 100	U16
37560	0x92B8	1	harmonic V3 row 20	% / 100	U16
37561	0x92B9	1	harmonic V1 row 21	% / 100	U16
37562	0x92BA	1	harmonic V2 row 21	% / 100	U16
37563	0x92BB	1	harmonic V3 row 21	% / 100	U16
37564	0x92BC	1	harmonic V1 row 22	% / 100	U16
37565	0x92BD	1	harmonic V2 row 22	% / 100	U16
37566	0x92BE	1	harmonic V3 row 22	% / 100	U16
37567	0x92BF	1	harmonic V1 row 23	% / 100	U16
37568	0x92C0	1	harmonic V2 row 23	% / 100	U16
37569	0x92C1	1	harmonic V3 row 23	% / 100	U16
37570	0x92C2	1	harmonic V1 row 24	% / 100	U16
37571	0x92C3	1	harmonic V2 row 24	% / 100	U16
37572	0x92C4	1	harmonic V3 row 24	% / 100	U16
37573	0x92C5	1	harmonic V1 row 25	% / 100	U16

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37574	0x92C6	1	harmonic V2 row 25	% / 100	U16
37575	0x92C7	1	harmonic V3 row 25	% / 100	U16
37576	0x92C8	1	harmonic V1 row 26 to 34	% / 100	U16
37577	0x92C9	1	harmonic V2 row 26 to 34	% / 100	U16
37578	0x92CA	1	harmonic V3 row 26 to 34	% / 100	U16
37579	0x92CB	1	harmonic V1 row 35 to 50	% / 100	U16
37580	0x92CC	1	harmonic V2 row 35 to 50	% / 100	U16
37581	0x92CD	1	harmonic V3 row 35 to 50	% / 100	U16
37582	0x92CE	1	harmonic V1 row 51 to 63	% / 100	U16
37583	0x92CF	1	harmonic V2 row 51 to 63	% / 100	U16
37584	0x92D0	1	harmonic V3 row 51 to 63	% / 100	U16

Network Inst. U harmonics

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37632	0x9300	Info	81	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37632	0x9300	1	harmonic U12 row 2	% / 100	U16
37633	0x9301	1	harmonic U23 row 2	% / 100	U16
37634	0x9302	1	harmonic U31 row 2	% / 100	U16
37635	0x9303	1	harmonic U12 row 3	% / 100	U16
37636	0x9304	1	harmonic U23 row 3	% / 100	U16
37637	0x9305	1	harmonic U31 row 3	% / 100	U16
37638	0x9306	1	harmonic U12 row 4	% / 100	U16
37639	0x9307	1	harmonic U23 row 4	% / 100	U16
37640	0x9308	1	harmonic U31 row 4	% / 100	U16
37641	0x9309	1	harmonic U12 row 5	% / 100	U16
37642	0x930A	1	harmonic U23 row 5	% / 100	U16
37643	0x930B	1	harmonic U31 row 5	% / 100	U16
37644	0x930C	1	harmonic U12 row 6	% / 100	U16
37645	0x930D	1	harmonic U23 row 6	% / 100	U16

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37646	0x930E	1	harmonic U31 row 6	% / 100	U16
37647	0x930F	1	harmonic U12 row 7	% / 100	U16
37648	0x9310	1	harmonic U23 row 7	% / 100	U16
37649	0x9311	1	harmonic U31 row 7	% / 100	U16
37650	0x9312	1	harmonic U12 row 8	% / 100	U16
37651	0x9313	1	harmonic U23 row 8	% / 100	U16
37652	0x9314	1	harmonic U31 row 8	% / 100	U16
37653	0x9315	1	harmonic U12 row 9	% / 100	U16
37654	0x9316	1	harmonic U23 row 9	% / 100	U16
37655	0x9317	1	harmonic U31 row 9	% / 100	U16
37656	0x9318	1	harmonic U12 row 10	% / 100	U16
37657	0x9319	1	harmonic U23 row 10	% / 100	U16
37658	0x931A	1	harmonic U31 row 10	% / 100	U16
37659	0x931B	1	harmonic U12 row 11	% / 100	U16
37660	0x931C	1	harmonic U23 row 11	% / 100	U16
37661	0x931D	1	harmonic U31 row 11	% / 100	U16
37662	0x931E	1	harmonic U12 row 12	% / 100	U16
37663	0x931F	1	harmonic U23 row 12	% / 100	U16
37664	0x9320	1	harmonic U31 row 12	% / 100	U16
37665	0x9321	1	harmonic U12 row 13	% / 100	U16
37666	0x9322	1	harmonic U23 row 13	% / 100	U16
37667	0x9323	1	harmonic U31 row 13	% / 100	U16
37668	0x9324	1	harmonic U12 row 14	% / 100	U16
37669	0x9325	1	harmonic U23 row 14	% / 100	U16
37670	0x9326	1	harmonic U31 row 14	% / 100	U16
37671	0x9327	1	harmonic U12 row 15	% / 100	U16
37672	0x9328	1	harmonic U23 row 15	% / 100	U16
37673	0x9329	1	harmonic U31 row 15	% / 100	U16
37674	0x932A	1	harmonic U12 row 16	% / 100	U16
37675	0x932B	1	harmonic U23 row 16	% / 100	U16
37676	0x932C	1	harmonic U31 row 16	% / 100	U16
37677	0x932D	1	harmonic U12 row 17	% / 100	U16

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37678	0x932E	1	harmonic U23 row 17	% / 100	U16
37679	0x932F	1	harmonic U31 row 17	% / 100	U16
37680	0x9330	1	harmonic U12 row 18	% / 100	U16
37681	0x9331	1	harmonic U23 row 18	% / 100	U16
37682	0x9332	1	harmonic U31 row 18	% / 100	U16
37683	0x9333	1	harmonic U12 row 19	% / 100	U16
37684	0x9334	1	harmonic U23 row 19	% / 100	U16
37685	0x9335	1	harmonic U31 row 19	% / 100	U16
37686	0x9336	1	harmonic U12 row 20	% / 100	U16
37687	0x9337	1	harmonic U23 row 20	% / 100	U16
37688	0x9338	1	harmonic U31 row 20	% / 100	U16
37689	0x9339	1	harmonic U12 row 21	% / 100	U16
37690	0x933A	1	harmonic U23 row 21	% / 100	U16
37691	0x933B	1	harmonic U31 row 21	% / 100	U16
37692	0x933C	1	harmonic U12 row 22	% / 100	U16
37693	0x933D	1	harmonic U23 row 22	% / 100	U16
37694	0x933E	1	harmonic U31 row 22	% / 100	U16
37695	0x933F	1	harmonic U12 row 23	% / 100	U16
37696	0x9340	1	harmonic U23 row 23	% / 100	U16
37697	0x9341	1	harmonic U31 row 23	% / 100	U16
37698	0x9342	1	harmonic U12 row 24	% / 100	U16
37699	0x9343	1	harmonic U23 row 24	% / 100	U16
37700	0x9344	1	harmonic U31 row 24	% / 100	U16
37701	0x9345	1	harmonic U12 row 25	% / 100	U16
37702	0x9346	1	harmonic U23 row 25	% / 100	U16
37703	0x9347	1	harmonic U31 row 25	% / 100	U16
37704	0x9348	1	harmonic U12 row 26 to 34	% / 100	U16
37705	0x9349	1	harmonic U23 row 26 to 34	% / 100	U16
37706	0x934A	1	harmonic U31 row 26 to 34	% / 100	U16
37707	0x934B	1	harmonic U12 row 35 to 50	% / 100	U16
37708	0x934C	1	harmonic U23 row 35 to 50	% / 100	U16
37709	0x934D	1	harmonic U31 row 35 to 50	% / 100	U16

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37710	0x934E	1	harmonic U12 row 51 to 63	% / 100	U16
37711	0x934F	1	harmonic U23 row 51 to 63	% / 100	U16
37712	0x9350	1	harmonic U31 row 51 to 63	% / 100	U16

Network Inst. quality min/max

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37248	0x9180	Info	108	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37248	0x9180	1	Maximum Vnb	% / 100	U16
37249	0x9181	2	Date of maximum Vnb	-	DATETIME
37251	0x9183	1	Maximum Vnba	% / 100	U16
37252	0x9184	2	Date of maximum Vnba	-	DATETIME
37254	0x9186	1	Maximum Unb	% / 100	U16
37255	0x9187	2	Date of maximum Unb	-	DATETIME
37257	0x9189	1	Maximum Unba	% / 100	U16
37258	0x918A	2	Date of maximum Unba	-	DATETIME
37260	0x918C	1	Maximum THD V1	% / 100	U16
37261	0x918D	2	Date of maximum THD V1	-	DATETIME
37263	0x918F	1	Maximum THD V2	% / 100	U16
37264	0x9190	2	Date of maximum THD V2	-	DATETIME
37266	0x9192	1	Maximum THD V3	% / 100	U16
37267	0x9193	2	Date of maximum THD V3	-	DATETIME
37269	0x9195	1	Maximum THD U12	% / 100	U16
37270	0x9196	2	Date of maximum THD U12	-	DATETIME
37272	0x9198	1	Maximum THD U23	% / 100	U16
37273	0x9199	2	Date of maximum THD U23	-	DATETIME
37275	0x919B	1	Maximum THD U31	% / 100	U16
37276	0x919C	2	Date of maximum THD U31	-	DATETIME
37278	0x919E	1	Minimum Vnb	% / 100	U16
37279	0x919F	2	Date of minimum Vnb	-	DATETIME

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37281	0x91A1	1	Minimum Vnba	% / 100	U16
37282	0x91A2	2	Date of minimum Vnba	-	DATETIME
37284	0x91A4	1	Minimum Unb	% / 100	U16
37285	0x91A5	2	Date of minimum Unb	-	DATETIME
37287	0x91A7	1	Minimum Unba	% / 100	U16
37288	0x91A8	2	Date of minimum Unba	-	DATETIME
37290	0x91AA	1	Minimum THD V1	% / 100	U16
37291	0x91AB	2	Date of minimum THD V1	-	DATETIME
37293	0x91AD	1	Minimum THD V2	% / 100	U16
37294	0x91AE	2	Date of minimum THD V2	-	DATETIME
37296	0x91B0	1	Minimum THD V3	% / 100	U16
37297	0x91B1	2	Date of minimum THD V3	-	DATETIME
37299	0x91B3	1	Minimum THD U12	% / 100	U16
37300	0x91B4	2	Date of minimum THD U12	-	DATETIME
37302	0x91B6	1	Minimum THD U23	% / 100	U16
37303	0x91B7	2	Date of minimum THD U23	-	DATETIME
37305	0x91B9	1	Minimum THD U31	% / 100	U16
37306	0x91BA	2	Date of minimum THD U31	-	DATETIME
37308	0x91BC	1	Maximum THD Vsys	% / 100	U16
37309	0x91BD	2	Date of maximum THD Vsys	-	DATETIME
37311	0x91BF	1	Maximum THD Usys	% / 100	U16
37312	0x91C0	2	Date of maximum THD Usys	-	DATETIME
37314	0x91C2	1	Maximum crest factor V1	- / 1000	U16
37315	0x91C3	2	Date of maximum crest factor V1	-	DATETIME
37317	0x91C5	1	Maximum crest factor V2	- / 1000	U16
37318	0x91C6	2	Date of maximum crest factor V2	-	DATETIME
37320	0x91C8	1	Maximum crest factor V3	- / 1000	U16
37321	0x91C9	2	Date of maximum crest factor V3	-	DATETIME
37323	0x91CB	1	Maximum crest factor U12	- / 1000	U16
37324	0x91CC	2	Date of maximum crest factor U12	-	DATETIME
37326	0x91CE	1	Maximum crest factor U23	- / 1000	U16
37327	0x91CF	2	Date of maximum crest factor U23	-	DATETIME

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37329	0x91D1	1	Maximum crest factor U31	- / 1000	U16
37330	0x91D2	2	Date of maximum crest factor U31	-	DATETIME
37332	0x91D4	1	Minimum crest factor V1	- / 1000	U16
37333	0x91D5	2	Date of minimum crest factor V1	-	DATETIME
37335	0x91D7	1	Minimum crest factor V2	- / 1000	U16
37336	0x91D8	2	Date of minimum crest factor V2	-	DATETIME
37338	0x91DA	1	Minimum crest factor V3	- / 1000	U16
37339	0x91DB	2	Date of minimum crest factor V3	-	DATETIME
37341	0x91DD	1	Minimum crest factor U12	- / 1000	U16
37342	0x91DE	2	Date of minimum crest factor U12	-	DATETIME
37344	0x91E0	1	Minimum crest factor U23	- / 1000	U16
37345	0x91E1	2	Date of minimum crest factor U23	-	DATETIME
37347	0x91E3	1	Minimum crest factor U31	- / 1000	U16
37348	0x91E4	2	Date of minimum crest factor U31	-	DATETIME
37350	0x91E6	1	Minimum THD Vsys	% / 100	U16
37351	0x91E7	2	Date of minimum THD Vsys	-	DATETIME
37353	0x91E9	1	Minimum THD Usys	% / 100	U16
37354	0x91EA	2	Date of minimum THD Usys	-	DATETIME

Avg

Network Avg						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36992	0x9080	Info	37	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36992	0x9080	2	Date of last instance	s	DATETIME
36994	0x9082	1	Integration time	min	U16
36995	0x9083	2	System Ph-N Voltage	V 10 ⁻²	U32

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36997	0x9085	2	System Ph-Ph Voltage	V 10 ⁻²	U32
36999	0x9087	2	Frequency	mHz	U32
37001	0x9089	2	Ph-N Voltage : V1	V 10 ⁻²	U32
37003	0x908B	2	Ph-N Voltage : V2	V 10 ⁻²	U32
37005	0x908D	2	Ph-N Voltage : V3	V 10 ⁻²	U32
37007	0x908F	2	Ph-N Voltage : Vn	V 10 ⁻²	U32
37009	0x9091	2	Ph-Ph Voltage : U12	V 10 ⁻²	U32
37011	0x9093	2	Ph-Ph Voltage : U23	V 10 ⁻²	U32
37013	0x9095	2	Ph-Ph Voltage : U31	V 10 ⁻²	U32
37015	0x9097	2	Vdir	V 10 ⁻²	U32
37017	0x9099	2	Vinv	V 10 ⁻²	U32
37019	0x909B	2	Vhom	V 10 ⁻²	U32
37021	0x909D	1	Vnb	% / 100	U16
37022	0x909E	2	Udir	V 10 ⁻²	U32
37024	0x90A0	2	Uinv	V 10 ⁻²	U32
37026	0x90A2	1	Unb	% / 100	U16
37027	0x90A3	1	Vnba	% / 100	U16
37028	0x90A4	1	Unba	% / 100	U16

Reset

<i>Network Reset min/max</i>						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37744	0x9370	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
37744	0x9370	1	Erase : These values could be combine all 0x0001 : Instantaneous Min/Max V unb 0x0002 : Instantaneous Min/Max U unb 0x0400 : Instantaneous Min/Max THD V 0x0800 : Instantaneous Min/Max THD U 0x2000 : Instantaneous Min/Max Crest Fact. V 0x4000 : Instantaneous Min/Max Crest Fact. U 0xFFFF : Instantaneous Min/Max ALL	-	U16_HEX

Loads

Inst

<i>Load Inst.</i>						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
18432	0x4800	Info	92	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
18432	0x4800	1	Load status 0 : Disabled 1 : Enabled	-	U8
18433	0x4801	2	Date of last instance	s	DATETIME
18435	0x4803	1	Integration time	s / 5	U16
18436	0x4804	2	System Ph-N Voltage	V 10 ⁻²	U32

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18438	0x4806	2	System Ph-Ph Voltage	V 10 ⁻²	U32
18440	0x4808	2	System Current	mA	U32
18442	0x480A	2	Frequency	mHz	U32
18444	0x480C	2	Ph-N Voltage : V1	V 10 ⁻²	U32
18446	0x480E	2	Ph-N Voltage : V2	V 10 ⁻²	U32
18448	0x4810	2	Ph-N Voltage : V3	V 10 ⁻²	U32
18450	0x4812	2	Ph-N Voltage : Vn	V 10 ⁻²	U32
18452	0x4814	2	Ph-Ph Voltage : U12	V 10 ⁻²	U32
18454	0x4816	2	Ph-Ph Voltage : U23	V 10 ⁻²	U32
18456	0x4818	2	Ph-Ph Voltage : U31	V 10 ⁻²	U32
18458	0x481A	2	Current : I1	mA	U32
18460	0x481C	2	Current : I2	mA	U32
18462	0x481E	2	Current : I3	mA	U32
18464	0x4820	2	Current : In	mA	U32
18466	0x4822	1	Inba	% / 100	U16
18467	0x4823	2	Idir	mA	U32
18469	0x4825	2	Iinv	mA	U32
18471	0x4827	2	Ihom	mA	U32
18473	0x4829	1	Inb	% / 100	U16
18474	0x482A	2	Snom	VA	U32
18476	0x482C	2	Total active power	W	S32
18478	0x482E	2	Total reactive power	var	S32
18480	0x4830	2	Total lagging reactive power	var	S32
18482	0x4832	2	Total leading reactive power	var	S32
18484	0x4834	2	Total apparent power	VA	U32
18486	0x4836	1	Total power factor	- / 1000	S16
18487	0x4837	1	Total Power factor type : 0 : undefined 1 : leading 2 : lagging	-	U8
18488	0x4838	2	Active power : P1	W	S32
18490	0x483A	2	Active power : P2	W	S32
18492	0x483C	2	Active power : P3	W	S32

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18494	0x483E	2	Reactive power : Q1	var	S32
18496	0x4840	2	Reactive power : Q2	var	S32
18498	0x4842	2	Reactive power : Q3	var	S32
18500	0x4844	2	Lagging reactive power : Q1_lagg	var	S32
18502	0x4846	2	Lagging reactive power : Q2_lagg	var	S32
18504	0x4848	2	Lagging reactive power : Q3_lagg	var	S32
18506	0x484A	2	Leading reactive power : Q1_lead	var	S32
18508	0x484C	2	Leading reactive power : Q2_lead	var	S32
18510	0x484E	2	Leading reactive power : Q3_lead	var	S32
18512	0x4850	2	Apparent power : S1	VA	U32
18514	0x4852	2	Apparent power : S2	VA	U32
18516	0x4854	2	Apparent power : S3	VA	U32
18518	0x4856	1	Power factor : PF1	- / 1000	S16
18519	0x4857	1	Power factor : PF2	- / 1000	S16
18520	0x4858	1	Power factor : PF3	- / 1000	S16
18521	0x4859	1	Power factor type : sPF1 0 : undefined 1 : leading 2 : lagging	-	U8
18522	0x485A	1	Power factor type : sPF2 0 : undefined 1 : leading 2 : lagging	-	U8
18523	0x485B	1	Power factor type : sPF3 0 : undefined 1 : leading 2 : lagging	-	U8

Load Inst. Fundamental

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
18688	0x4900	Info	97	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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18688	0x4900	1	Load status 0 : Disabled 1 : Enabled	-	U8
18689	0x4901	2	Date of last instance	s	DATETIME
18691	0x4903	1	Integration time	s / 5	U16
18692	0x4904	2	Ph-N voltage: V1h1	V 10 ⁻²	U32
18694	0x4906	2	Ph-N voltage: V2h1	V 10 ⁻²	U32
18696	0x4908	2	Ph-N voltage: V3h1	V 10 ⁻²	U32
18698	0x490A	2	Ph-N voltage: Vnh1	V 10 ⁻²	U32
18700	0x490C	1	Ph-N voltage phase: phV1h1	? / 10	S16
18701	0x490D	1	Ph-N voltage phase: phV2h1	? / 10	S16
18702	0x490E	1	Ph-N voltage phase: phV3h1	? / 10	S16
18703	0x490F	1	Ph-N voltage phase: phVnh1	? / 10	S16
18704	0x4910	2	Ph-Ph voltage: U12h1	V 10 ⁻²	U32
18706	0x4912	2	Ph-Ph voltage: U23h1	V 10 ⁻²	U32
18708	0x4914	2	Ph-Ph voltage: U31h1	V 10 ⁻²	U32
18710	0x4916	1	Ph-Ph voltage phase: phU12h1	? / 10	S16
18711	0x4917	1	Ph-Ph voltage phase: phU23h1	? / 10	S16
18712	0x4918	1	Ph-Ph voltage phase: phU31h1	? / 10	S16
18713	0x4919	2	Current: I1h1	mA	U32
18715	0x491B	2	Current: I2h1	mA	U32
18717	0x491D	2	Current: I3h1	mA	U32
18719	0x491F	2	Current: Inh1	mA	U32
18721	0x4921	1	Current phase: phI1h1	? / 10	S16
18722	0x4922	1	Current phase: phI2h1	? / 10	S16
18723	0x4923	1	Current phase: phI3h1	? / 10	S16
18724	0x4924	1	Current phase: phInh1	? / 10	S16
18725	0x4925	1	phi current voltage: phiI1h1V1h1	? / 10	S16
18726	0x4926	1	phi current voltage: phiI2h1V2h1	? / 10	S16
18727	0x4927	1	phi current voltage: phiI3h1V3h1	? / 10	S16
18728	0x4928	1	phi current voltage: phiInh1Vnh1	? / 10	S16
18729	0x4929	2	P1h1	W	S32
18731	0x492B	2	P2h1	W	S32

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18733	0x492D	2	P3h1	W	S32
18735	0x492F	2	Reserved	-	-
18737	0x4931	2	Q1h1	var	S32
18739	0x4933	2	Q2h1	var	S32
18741	0x4935	2	Q3h1	var	S32
18743	0x4937	2	Reserved	-	-
18745	0x4939	1	Cos(phi) : phiI1h1V1h1	- / 1000	S16
18746	0x493A	1	Cos(phi) : phiI2h1V2h1	- / 1000	S16
18747	0x493B	1	Cos(phi) : phiI3h1V3h1	- / 1000	S16
18748	0x493C	1	Tan(phi) : phiI1h1V1h1	- / 1000	S16
18749	0x493D	1	Tan(phi) : phiI2h1V2h1	- / 1000	S16
18750	0x493E	1	Tan(phi) : phiI3h1V3h1	- / 1000	S16
18751	0x493F	1	Ph-N Voltage total harmonic distortion : THD V1	% / 100	U16
18752	0x4940	1	Ph-N Voltage total harmonic distortion : THD V2	% / 100	U16
18753	0x4941	1	Ph-N Voltage total harmonic distortion : THD V3	% / 100	U16
18754	0x4942	1	Ph-Ph Voltage total harmonic distortion : THD U12	% / 100	U16
18755	0x4943	1	Ph-Ph Voltage total harmonic distortion : THD U23	% / 100	U16
18756	0x4944	1	Ph-Ph Voltage total harmonic distortion : THD U31	% / 100	U16
18757	0x4945	1	Curent total harmonic distortion : THD I1	% / 100	U16
18758	0x4946	1	Curent total harmonic distortion : THD I2	% / 100	U16
18759	0x4947	1	Curent total harmonic distortion : THD I3	% / 100	U16
18760	0x4948	1	Curent total harmonic distortion : THD In	% / 100	U16
18761	0x4949	1	K-Factor I1	- / 100	U16
18762	0x494A	1	K-Factor I2	- / 100	U16
18763	0x494B	1	K-Factor I3	- / 100	U16
18764	0x494C	1	K-Factor In	- / 100	U16
18765	0x494D	1	System THD V	% / 100	U16
18766	0x494E	1	System THD U	% / 100	U16
18767	0x494F	1	System THD I	% / 100	U16
18768	0x4950	1	Crest factor : I1	- / 1000	U16
18769	0x4951	1	Crest factor : I2	- / 1000	U16
18770	0x4952	1	Crest factor : I3	- / 1000	U16

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18771	0x4953	1	Crest factor : In	- / 1000	U16
18772	0x4954	1	Total demand distortion : TDD I1	% / 100	U16
18773	0x4955	1	Total demand distortion : TDD I2	% / 100	U16
18774	0x4956	1	Total demand distortion : TDD I3	% / 100	U16
18775	0x4957	1	Total demand distortion : TDD In	% / 100	U16
18776	0x4958	1	System TDD I	% / 100	U16
18777	0x4959	2	S1h1	VA	U32
18779	0x495B	2	S2h1	VA	U32
18781	0x495D	2	S3h1	VA	U32
18783	0x495F	2	Reserved	-	-

Load Inst. max

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
18816	0x4980	Info	113	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
18816	0x4980	1	Load status : 0 : Disabled 1 : Enabled	-	U8
18817	0x4981	2	Maximum Frequency	mHz	U32
18819	0x4983	2	Date of maximum F	-	DATETIME
18821	0x4985	2	Maximum Ph-N Voltage : V1	V 10 ⁻²	U32
18823	0x4987	2	Date of maximum V1	-	DATETIME
18825	0x4989	2	Maximum Ph-N Voltage : V2	V 10 ⁻²	U32
18827	0x498B	2	Date of maximum V2	-	DATETIME
18829	0x498D	2	Maximum Ph-N Voltage : V3	V 10 ⁻²	U32
18831	0x498F	2	Date of maximum V3	-	DATETIME
18833	0x4991	2	Maximum Ph-N Voltage : Vn	V 10 ⁻²	U32
18835	0x4993	2	Date of maximum Vn	-	DATETIME
18837	0x4995	2	Maximum Ph-Ph Voltage : U12	V 10 ⁻²	U32
18839	0x4997	2	Date of maximum U12	-	DATETIME
18841	0x4999	2	Maximum Ph-Ph Voltage : U23	V 10 ⁻²	U32

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18843	0x499B	2	Date of maximum U23	-	DATETIME
18845	0x499D	2	Maximum Ph-Ph Voltage : U31	V 10 ⁻²	U32
18847	0x499F	2	Date of maximum U31	-	DATETIME
18849	0x49A1	2	Maximum Current : I1	mA	U32
18851	0x49A3	2	Date of maximum I1	-	DATETIME
18853	0x49A5	2	Maximum Current : I2	mA	U32
18855	0x49A7	2	Date of maximum I2	-	DATETIME
18857	0x49A9	2	Maximum Current : I3	mA	U32
18859	0x49AB	2	Date of maximum I3	-	DATETIME
18861	0x49AD	2	Maximum Current : In	mA	U32
18863	0x49AF	2	Date of maximum In	-	DATETIME
18865	0x49B1	2	Maximum Total active power	W	S32
18867	0x49B3	2	Date of maximum Ptot	-	DATETIME
18869	0x49B5	2	Maximum Total reactive power	var	S32
18871	0x49B7	2	Date of maximum Qtot	-	DATETIME
18873	0x49B9	2	Maximum Total apparent power	VA	U32
18875	0x49BB	2	Date of maximum Stot	-	DATETIME
18877	0x49BD	1	Maximum Total power factor	- / 1000	S16
18878	0x49BE	1	Maximum Total Power factor type 0 : undefined 1 : leading 2 : lagging	-	U8
18879	0x49BF	2	Date of maximum Total power factor	-	DATETIME
18881	0x49C1	2	Maximum Active power : P1	W	S32
18883	0x49C3	2	Date of maximum P1	-	DATETIME
18885	0x49C5	2	Maximum Active power : P2	W	S32
18887	0x49C7	2	Date of maximum P2	-	DATETIME
18889	0x49C9	2	Maximum Active power : P3	W	S32
18891	0x49CB	2	Date of maximum P3	-	DATETIME
18893	0x49CD	2	Maximum Reactive power : Q1	var	S32
18895	0x49CF	2	Date of maximum Q1	-	DATETIME
18897	0x49D1	2	Maximum Reactive power : Q2	var	S32
18899	0x49D3	2	Date of maximum Q2	-	DATETIME

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18901	0x49D5	2	Maximum Reactive power : Q3	var	S32
18903	0x49D7	2	Date of maximum Q3	-	DATETIME
18905	0x49D9	2	Maximum Apparent power : S1	VA	U32
18907	0x49DB	2	Date of maximum S1	-	DATETIME
18909	0x49DD	2	Maximum Apparent power : S2	VA	U32
18911	0x49DF	2	Date of maximum S2	-	DATETIME
18913	0x49E1	2	Maximum Apparent power : S3	VA	U32
18915	0x49E3	2	Date of maximum S3	-	DATETIME
18917	0x49E5	1	Maximum Power factor : PF1	- / 1000	S16
18918	0x49E6	1	Maximum Power factor type : SPF1 0 : undefined 1 : leading 2 : lagging	-	U8
18919	0x49E7	2	Date of maximum PF1	-	DATETIME
18921	0x49E9	1	Maximum Power factor : PF2	- / 1000	S16
18922	0x49EA	1	Maximum Power factor type : SPF2 0 : undefined 1 : leading 2 : lagging	-	U8
18923	0x49EB	2	Date of maximum PF2	-	DATETIME
18925	0x49ED	1	Maximum Power factor : PF3	- / 1000	S16
18926	0x49EE	1	Maximum Power factor type : SPF3 0 : undefined 1 : leading 2 : lagging	-	U8
18927	0x49EF	2	Date of maximum PF3	-	DATETIME

Load Inst. min

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19072	0x4A80	Info	113	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
19072	0x4A80	1	Load status : 0 : Disabled 1 : Enabled	-	U8

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19073	0x4A81	2	Minimum Frequency	mHz	U32
19075	0x4A83	2	Date of minimum F	-	DATETIME
19077	0x4A85	2	Minimum Ph-N Voltage : V1	V 10 ⁻²	U32
19079	0x4A87	2	Date of minimum V1	-	DATETIME
19081	0x4A89	2	Minimum Ph-N Voltage : V2	V 10 ⁻²	U32
19083	0x4A8B	2	Date of minimum V2	-	DATETIME
19085	0x4A8D	2	Minimum Ph-N Voltage : V3	V 10 ⁻²	U32
19087	0x4A8F	2	Date of minimum V3	-	DATETIME
19089	0x4A91	2	Minimum Ph-N Voltage : Vn	V 10 ⁻²	U32
19091	0x4A93	2	Date of minimum Vn	-	DATETIME
19093	0x4A95	2	Minimum Ph-Ph Voltage : U12	V 10 ⁻²	U32
19095	0x4A97	2	Date of minimum U12	-	DATETIME
19097	0x4A99	2	Minimum Ph-Ph Voltage : U23	V 10 ⁻²	U32
19099	0x4A9B	2	Date of minimum U23	-	DATETIME
19101	0x4A9D	2	Minimum Ph-Ph Voltage : U31	V 10 ⁻²	U32
19103	0x4A9F	2	Date of minimum U31	-	DATETIME
19105	0x4AA1	2	Minimum Current : I1	mA	U32
19107	0x4AA3	2	Date of minimum I1	-	DATETIME
19109	0x4AA5	2	Minimum Current : I2	mA	U32
19111	0x4AA7	2	Date of minimum I2	-	DATETIME
19113	0x4AA9	2	Minimum Current : I3	mA	U32
19115	0x4AAB	2	Date of minimum I3	-	DATETIME
19117	0x4AAD	2	Minimum Current : In	mA	U32
19119	0x4AAF	2	Date of minimum In	-	DATETIME
19121	0x4AB1	2	Minimum Total active power	W	S32
19123	0x4AB3	2	Date of minimum Ptot	-	DATETIME
19125	0x4AB5	2	Minimum Total reactive power	var	S32
19127	0x4AB7	2	Date of minimum Qtot	-	DATETIME
19129	0x4AB9	2	Minimum Total apparent power	VA	U32
19131	0x4ABB	2	Date of minimum Stot	-	DATETIME
19133	0x4ABD	1	Minimum Total power factor	- / 1000	S16

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19134	0x4ABE	1	Minimum Total Power factor type 0 : undefined 1 : leading 2 : lagging	-	U8
19135	0x4ABF	2	Date of minimum Total power factor	-	DATETIME
19137	0x4AC1	2	Minimum Active power : P1	W	S32
19139	0x4AC3	2	Date of minimum P1	-	DATETIME
19141	0x4AC5	2	Minimum Active power : P2	W	S32
19143	0x4AC7	2	Date of minimum P2	-	DATETIME
19145	0x4AC9	2	Minimum Active power : P3	W	S32
19147	0x4ACB	2	Date of minimum P3	-	DATETIME
19149	0x4ACD	2	Minimum Reactive power : Q1	var	S32
19151	0x4ACF	2	Date of minimum Q1	-	DATETIME
19153	0x4AD1	2	Minimum Reactive power : Q2	var	S32
19155	0x4AD3	2	Date of minimum Q2	-	DATETIME
19157	0x4AD5	2	Minimum Reactive power : Q3	var	S32
19159	0x4AD7	2	Date of minimum Q3	-	DATETIME
19161	0x4AD9	2	Minimum Apparent power : S1	VA	U32
19163	0x4ADB	2	Date of minimum S1	-	DATETIME
19165	0x4ADD	2	Minimum Apparent power : S2	VA	U32
19167	0x4ADF	2	Date of minimum S2	-	DATETIME
19169	0x4AE1	2	Minimum Apparent power : S3	VA	U32
19171	0x4AE3	2	Date of minimum S3	-	DATETIME
19173	0x4AE5	1	Minimum Power factor : PF1	- / 1000	S16
19174	0x4AE6	1	Minimum Power factor type : sPF1 0 : undefined 1 : leading 2 : lagging	-	U8
19175	0x4AE7	2	Date of minimum PF1	-	DATETIME
19177	0x4AE9	1	Minimum Power factor : PF2	- / 1000	S16
19178	0x4AEA	1	Minimum Power factor type : sPF2 0 : undefined 1 : leading 2 : lagging	-	U8
19179	0x4AEB	2	Date of minimum PF2	-	DATETIME

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19181	0x4AED	1	Minimum Power factor : PF3	- / 1000	S16
19182	0x4AEE	1	Minimum Power factor type : sPF3 0 : undefined 1 : leading 2 : lagging	-	U8
19183	0x4AEF	2	Date of minimum PF3	-	DATETIME

Load Inst. I Harmonics

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19712	0x4D00	Info	109	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
19712	0x4D00	1	Load status : 0 : Disabled 1 : Enabled	-	U8
19713	0x4D01	1	harmonic I1 row 2	% / 100	U16
19714	0x4D02	1	harmonic I2 row 2	% / 100	U16
19715	0x4D03	1	harmonic I3 row 2	% / 100	U16
19716	0x4D04	1	harmonic In row 2	% / 100	U16
19717	0x4D05	1	harmonic I1 row 3	% / 100	U16
19718	0x4D06	1	harmonic I2 row 3	% / 100	U16
19719	0x4D07	1	harmonic I3 row 3	% / 100	U16
19720	0x4D08	1	harmonic In row 3	% / 100	U16
19721	0x4D09	1	harmonic I1 row 4	% / 100	U16
19722	0x4D0A	1	harmonic I2 row 4	% / 100	U16
19723	0x4D0B	1	harmonic I3 row 4	% / 100	U16
19724	0x4D0C	1	harmonic In row 4	% / 100	U16
19725	0x4D0D	1	harmonic I1 row 5	% / 100	U16
19726	0x4D0E	1	harmonic I2 row 5	% / 100	U16
19727	0x4D0F	1	harmonic I3 row 5	% / 100	U16
19728	0x4D10	1	harmonic In row 5	% / 100	U16
19729	0x4D11	1	harmonic I1 row 6	% / 100	U16
19730	0x4D12	1	harmonic I2 row 6	% / 100	U16

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19731	0x4D13	1	harmonic I3 row 6	% / 100	U16
19732	0x4D14	1	harmonic In row 6	% / 100	U16
19733	0x4D15	1	harmonic I1 row 7	% / 100	U16
19734	0x4D16	1	harmonic I2 row 7	% / 100	U16
19735	0x4D17	1	harmonic I3 row 7	% / 100	U16
19736	0x4D18	1	harmonic In row 7	% / 100	U16
19737	0x4D19	1	harmonic I1 row 8	% / 100	U16
19738	0x4D1A	1	harmonic I2 row 8	% / 100	U16
19739	0x4D1B	1	harmonic I3 row 8	% / 100	U16
19740	0x4D1C	1	harmonic In row 8	% / 100	U16
19741	0x4D1D	1	harmonic I1 row 9	% / 100	U16
19742	0x4D1E	1	harmonic I2 row 9	% / 100	U16
19743	0x4D1F	1	harmonic I3 row 9	% / 100	U16
19744	0x4D20	1	harmonic In row 9	% / 100	U16
19745	0x4D21	1	harmonic I1 row 10	% / 100	U16
19746	0x4D22	1	harmonic I2 row 10	% / 100	U16
19747	0x4D23	1	harmonic I3 row 10	% / 100	U16
19748	0x4D24	1	harmonic In row 10	% / 100	U16
19749	0x4D25	1	harmonic I1 row 11	% / 100	U16
19750	0x4D26	1	harmonic I2 row 11	% / 100	U16
19751	0x4D27	1	harmonic I3 row 11	% / 100	U16
19752	0x4D28	1	harmonic In row 11	% / 100	U16
19753	0x4D29	1	harmonic I1 row 12	% / 100	U16
19754	0x4D2A	1	harmonic I2 row 12	% / 100	U16
19755	0x4D2B	1	harmonic I3 row 12	% / 100	U16
19756	0x4D2C	1	harmonic In row 12	% / 100	U16
19757	0x4D2D	1	harmonic I1 row 13	% / 100	U16
19758	0x4D2E	1	harmonic I2 row 13	% / 100	U16
19759	0x4D2F	1	harmonic I3 row 13	% / 100	U16
19760	0x4D30	1	harmonic In row 13	% / 100	U16
19761	0x4D31	1	harmonic I1 row 14	% / 100	U16
19762	0x4D32	1	harmonic I2 row 14	% / 100	U16

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19763	0x4D33	1	harmonic I3 row 14	% / 100	U16
19764	0x4D34	1	harmonic In row 14	% / 100	U16
19765	0x4D35	1	harmonic I1 row 15	% / 100	U16
19766	0x4D36	1	harmonic I2 row 15	% / 100	U16
19767	0x4D37	1	harmonic I3 row 15	% / 100	U16
19768	0x4D38	1	harmonic In row 15	% / 100	U16
19769	0x4D39	1	harmonic I1 row 16	% / 100	U16
19770	0x4D3A	1	harmonic I2 row 16	% / 100	U16
19771	0x4D3B	1	harmonic I3 row 16	% / 100	U16
19772	0x4D3C	1	harmonic In row 16	% / 100	U16
19773	0x4D3D	1	harmonic I1 row 17	% / 100	U16
19774	0x4D3E	1	harmonic I2 row 17	% / 100	U16
19775	0x4D3F	1	harmonic I3 row 17	% / 100	U16
19776	0x4D40	1	harmonic In row 17	% / 100	U16
19777	0x4D41	1	harmonic I1 row 18	% / 100	U16
19778	0x4D42	1	harmonic I2 row 18	% / 100	U16
19779	0x4D43	1	harmonic I3 row 18	% / 100	U16
19780	0x4D44	1	harmonic In row 18	% / 100	U16
19781	0x4D45	1	harmonic I1 row 19	% / 100	U16
19782	0x4D46	1	harmonic I2 row 19	% / 100	U16
19783	0x4D47	1	harmonic I3 row 19	% / 100	U16
19784	0x4D48	1	harmonic In row 19	% / 100	U16
19785	0x4D49	1	harmonic I1 row 20	% / 100	U16
19786	0x4D4A	1	harmonic I2 row 20	% / 100	U16
19787	0x4D4B	1	harmonic I3 row 20	% / 100	U16
19788	0x4D4C	1	harmonic In row 20	% / 100	U16
19789	0x4D4D	1	harmonic I1 row 21	% / 100	U16
19790	0x4D4E	1	harmonic I2 row 21	% / 100	U16
19791	0x4D4F	1	harmonic I3 row 21	% / 100	U16
19792	0x4D50	1	harmonic In row 21	% / 100	U16
19793	0x4D51	1	harmonic I1 row 22	% / 100	U16
19794	0x4D52	1	harmonic I2 row 22	% / 100	U16

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19795	0x4D53	1	harmonic I3 row 22	% / 100	U16
19796	0x4D54	1	harmonic In row 22	% / 100	U16
19797	0x4D55	1	harmonic I1 row 23	% / 100	U16
19798	0x4D56	1	harmonic I2 row 23	% / 100	U16
19799	0x4D57	1	harmonic I3 row 23	% / 100	U16
19800	0x4D58	1	harmonic In row 23	% / 100	U16
19801	0x4D59	1	harmonic I1 row 24	% / 100	U16
19802	0x4D5A	1	harmonic I2 row 24	% / 100	U16
19803	0x4D5B	1	harmonic I3 row 24	% / 100	U16
19804	0x4D5C	1	harmonic In row 24	% / 100	U16
19805	0x4D5D	1	harmonic I1 row 25	% / 100	U16
19806	0x4D5E	1	harmonic I2 row 25	% / 100	U16
19807	0x4D5F	1	harmonic I3 row 25	% / 100	U16
19808	0x4D60	1	harmonic In row 25	% / 100	U16
19809	0x4D61	1	harmonic I1 row 26 to 34	% / 100	U16
19810	0x4D62	1	harmonic I2 row 26 to 34	% / 100	U16
19811	0x4D63	1	harmonic I3 row 26 to 34	% / 100	U16
19812	0x4D64	1	harmonic In row 26 to 34	% / 100	U16
19813	0x4D65	1	harmonic I1 row 35 to 50	% / 100	U16
19814	0x4D66	1	harmonic I2 row 35 to 50	% / 100	U16
19815	0x4D67	1	harmonic I3 row 35 to 50	% / 100	U16
19816	0x4D68	1	harmonic In row 35 to 50	% / 100	U16
19817	0x4D69	1	harmonic I1 row 51 to 63	% / 100	U16
19818	0x4D6A	1	harmonic I2 row 51 to 63	% / 100	U16
19819	0x4D6B	1	harmonic I3 row 51 to 63	% / 100	U16
19820	0x4D6C	1	harmonic In row 51 to 63	% / 100	U16

Load Inst. Quality min/max

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19584	0x4C80	Info	121	NONE	READ	READ

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Dec address	Hex address	Words count	Description	Unit	Data type
19584	0x4C80	1	Load status : 0 : Disabled 1 : Enabled	-	U8
19585	0x4C81	1	Maximum total harmonic distortion : THD I1	% / 100	U16
19586	0x4C82	2	Date of last maximum THD I1	-	DATETIME
19588	0x4C84	1	Maximum total harmonic distortion : THD I2	% / 100	U16
19589	0x4C85	2	Date of last maximum THD I2	-	DATETIME
19591	0x4C87	1	Maximum total harmonic distortion : THD I3	% / 100	U16
19592	0x4C88	2	Date of last maximum THD I3	-	DATETIME
19594	0x4C8A	1	Maximum total harmonic distortion : THD In	% / 100	U16
19595	0x4C8B	2	Date of last maximum THD In	-	DATETIME
19597	0x4C8D	1	Maximum Inba	% / 100	U16
19598	0x4C8E	2	Date of maximum Inba	-	DATETIME
19600	0x4C90	1	Maximum Inb	% / 100	U16
19601	0x4C91	2	Date of maximum Inb	-	DATETIME
19603	0x4C93	1	Maximum Phi I1 / V1	? / 100	S16
19604	0x4C94	2	Date of maximum Phi I1 / V1	-	DATETIME
19606	0x4C96	1	Maximum Phi I2 / V2	? / 100	S16
19607	0x4C97	2	Date of maximum Phi I2 / V2	-	DATETIME
19609	0x4C99	1	Maximum Phi I3 / V3	? / 100	S16
19610	0x4C9A	2	Date of maximum Phi I3 / V3	-	DATETIME
19612	0x4C9C	1	Maximum Phi In / Vn	- / 100	S16
19613	0x4C9D	2	Date of maximum Phi In / Vn	-	DATETIME
19615	0x4C9F	1	Minimum total harmonic distortion : THD I1	% / 100	U16
19616	0x4CA0	2	Date of last minimum THD I1	-	DATETIME
19618	0x4CA2	1	Minimum total harmonic distortion : THD I2	% / 100	U16
19619	0x4CA3	2	Date of last minimum THD I2	-	DATETIME
19621	0x4CA5	1	Minimum total harmonic distortion : THD I3	% / 100	U16
19622	0x4CA6	2	Date of last minimum THD I3	-	DATETIME
19624	0x4CA8	1	Minimum total harmonic distortion : THD In	% / 100	U16
19625	0x4CA9	2	Date of last minimum THD In	-	DATETIME
19627	0x4CAB	1	Minimum Inba	% / 100	U16

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19628	0x4CAC	2	Date of minimum Inba	-	DATETIME
19630	0x4CAE	1	Minimum Inb	% / 100	U16
19631	0x4CAF	2	Date of minimum Inb	-	DATETIME
19633	0x4CB1	1	Minimum Phi I1 / V1	? / 100	S16
19634	0x4CB2	2	Date of minimum Phi I1 / V1	-	DATETIME
19636	0x4CB4	1	Minimum Phi I2 / V2	? / 100	S16
19637	0x4CB5	2	Date of minimum Phi I2 / V2	-	DATETIME
19639	0x4CB7	1	Minimum Phi I3 / V3	? / 100	S16
19640	0x4CB8	2	Date of minimum Phi I3 / V3	-	DATETIME
19642	0x4CBA	1	Minimum Phi In / Vn	- / 100	S16
19643	0x4CBB	2	Date of minimum Phi In / Vn	-	DATETIME
19645	0x4CBD	1	Maximum total harmonic distortion : THD Isys	% / 100	U16
19646	0x4CBE	2	Date of last maximum THD Isys	-	DATETIME
19648	0x4CC0	1	Maximum crest factor I1	- / 1000	U16
19649	0x4CC1	2	Date of maximum crest factor I1	-	DATETIME
19651	0x4CC3	1	Maximum crest factor I2	- / 1000	U16
19652	0x4CC4	2	Date of maximum crest factor I2	-	DATETIME
19654	0x4CC6	1	Maximum crest factor I3	- / 1000	U16
19655	0x4CC7	2	Date of maximum crest factor I3	-	DATETIME
19657	0x4CC9	1	Maximum crest factor In	- / 1000	U16
19658	0x4CCA	2	Date of maximum crest factor In	-	DATETIME
19660	0x4CCC	1	Minimum crest factor I1	- / 1000	U16
19661	0x4CCD	2	Date of minimum crest factor I1	-	DATETIME
19663	0x4CCF	1	Minimum crest factor I2	- / 1000	U16
19664	0x4CD0	2	Date of minimum crest factor I2	-	DATETIME
19666	0x4CD2	1	Minimum crest factor I3	- / 1000	U16
19667	0x4CD3	2	Date of minimum crest factor I3	-	DATETIME
19669	0x4CD5	1	Minimum crest factor In	- / 1000	U16
19670	0x4CD6	2	Date of minimum crest factor In	-	DATETIME
19672	0x4CD8	1	Minimum total harmonic distortion : THD Isys	% / 100	U16
19673	0x4CD9	2	Date of last minimum THD Isys	-	DATETIME
19675	0x4CDB	1	Maximum total demand distortion : TDD I1	% / 100	U16

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19676	0x4CDC	2	Date of last maximum TDD I1	-	DATETIME
19678	0x4CDE	1	Maximum total demand distortion : TDD I2	% / 100	U16
19679	0x4CDF	2	Date of last maximum TDD I2	-	DATETIME
19681	0x4CE1	1	Maximum total demand distortion : TDD I3	% / 100	U16
19682	0x4CE2	2	Date of last maximum TDD I3	-	DATETIME
19684	0x4CE4	1	Maximum total demand distortion : TDD In	% / 100	U16
19685	0x4CE5	2	Date of last maximum TDD In	-	DATETIME
19687	0x4CE7	1	Maximum total demand distortion : TDD Isys	% / 100	U16
19688	0x4CE8	2	Date of last maximum TDD Isys	-	DATETIME
19690	0x4CEA	1	Minimum total demand distortion : TDD I1	% / 100	U16
19691	0x4CEB	2	Date of last minimum TDD I1	-	DATETIME
19693	0x4CED	1	Minimum total demand distortion : TDD I2	% / 100	U16
19694	0x4CEE	2	Date of last minimum TDD I2	-	DATETIME
19696	0x4CF0	1	Minimum total demand distortion : TDD I3	% / 100	U16
19697	0x4CF1	2	Date of last minimum TDD I3	-	DATETIME
19699	0x4CF3	1	Minimum total demand distortion : TDD In	% / 100	U16
19700	0x4CF4	2	Date of last minimum TDD In	-	DATETIME
19702	0x4CF6	1	Minimum total demand distortion : TDD Isys	% / 100	U16
19703	0x4CF7	2	Date of last minimum TDD Isys	-	DATETIME

Avg

Load Avg						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
18560	0x4880	Info	92	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
18560	0x4880	1	Load status 0 : Disabled 1 : Enabled	-	U8

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18561	0x4881	2	Date of last instance	s	DATETIME
18563	0x4883	1	Integration time	min	U16
18564	0x4884	2	System Ph-N Voltage	V 10 ⁻²	U32
18566	0x4886	2	System Ph-Ph Voltage	V 10 ⁻²	U32
18568	0x4888	2	System Current	mA	U32
18570	0x488A	2	Frequency	mHz	U32
18572	0x488C	2	Ph-N Voltage : V1	V 10 ⁻²	U32
18574	0x488E	2	Ph-N Voltage : V2	V 10 ⁻²	U32
18576	0x4890	2	Ph-N Voltage : V3	V 10 ⁻²	U32
18578	0x4892	2	Ph-N Voltage : Vn	V 10 ⁻²	U32
18580	0x4894	2	Ph-Ph Voltage : U12	V 10 ⁻²	U32
18582	0x4896	2	Ph-Ph Voltage : U23	V 10 ⁻²	U32
18584	0x4898	2	Ph-Ph Voltage : U31	V 10 ⁻²	U32
18586	0x489A	2	Current : I1	mA	U32
18588	0x489C	2	Current : I2	mA	U32
18590	0x489E	2	Current : I3	mA	U32
18592	0x48A0	2	Current : In	mA	U32
18594	0x48A2	1	Inba	% / 100	U16
18595	0x48A3	2	Idir	mA	U32
18597	0x48A5	2	Iinv	mA	U32
18599	0x48A7	2	Ihom	mA	U32
18601	0x48A9	1	Inb	% / 100	U16
18602	0x48AA	2	Snom	VA	U32
18604	0x48AC	2	Total active power	W	S32
18606	0x48AE	2	Total reactive power	var	S32
18608	0x48B0	2	Total lagging reactive power	var	S32
18610	0x48B2	2	Total leading reactive power	var	S32
18612	0x48B4	2	Total apparent power	VA	U32
18614	0x48B6	1	Total power factor	- / 1000	S16
18615	0x48B7	1	Total Power factor type : 0 : undefined 1 : leading 2 : lagging	-	U8

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18616	0x48B8	2	Active power : P1	W	S32
18618	0x48BA	2	Active power : P2	W	S32
18620	0x48BC	2	Active power : P3	W	S32
18622	0x48BE	2	Reactive power : Q1	var	S32
18624	0x48C0	2	Reactive power : Q2	var	S32
18626	0x48C2	2	Reactive power : Q3	var	S32
18628	0x48C4	2	Lagging reactive power : Q1_lagg	var	S32
18630	0x48C6	2	Lagging reactive power : Q2_lagg	var	S32
18632	0x48C8	2	Lagging reactive power : Q3_lagg	var	S32
18634	0x48CA	2	Leading reactive power : Q1_lead	var	S32
18636	0x48CC	2	Leading reactive power : Q2_lead	var	S32
18638	0x48CE	2	Leading reactive power : Q3_lead	var	S32
18640	0x48D0	2	Apparent power : S1	VA	U32
18642	0x48D2	2	Apparent power : S2	VA	U32
18644	0x48D4	2	Apparent power : S3	VA	U32
18646	0x48D6	1	Power factor : PF1	- / 1000	S16
18647	0x48D7	1	Power factor : PF2	- / 1000	S16
18648	0x48D8	1	Power factor : PF3	- / 1000	S16
18649	0x48D9	1	Power factor type : sPF1 0 : undefined 1 : leading 2 : lagging	-	U8
18650	0x48DA	1	Power factor type : sPF2 0 : undefined 1 : leading 2 : lagging	-	U8
18651	0x48DB	1	Power factor type : sPF3 0 : undefined 1 : leading 2 : lagging	-	U8

Load Avg min

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19456	0x4C00	Info	113	NONE	READ	READ

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Dec address	Hex address	Words count	Description	Unit	Data type
19456	0x4C00	1	Load status : 0 : Disabled 1 : Enabled	-	U8
19457	0x4C01	2	Minimum Frequency	mHz	U32
19459	0x4C03	2	Date of minimum F	-	DATETIME
19461	0x4C05	2	Minimum Ph-N Voltage : V1	V 10 ⁻²	U32
19463	0x4C07	2	Date of minimum V1	-	DATETIME
19465	0x4C09	2	Minimum Ph-N Voltage : V2	V 10 ⁻²	U32
19467	0x4C0B	2	Date of minimum V2	-	DATETIME
19469	0x4C0D	2	Minimum Ph-N Voltage : V3	V 10 ⁻²	U32
19471	0x4C0F	2	Date of minimum V3	-	DATETIME
19473	0x4C11	2	Minimum Ph-N Voltage : Vn	V 10 ⁻²	U32
19475	0x4C13	2	Date of minimum Vn	-	DATETIME
19477	0x4C15	2	Minimum Ph-Ph Voltage : U12	V 10 ⁻²	U32
19479	0x4C17	2	Date of minimum U12	-	DATETIME
19481	0x4C19	2	Minimum Ph-Ph Voltage : U23	V 10 ⁻²	U32
19483	0x4C1B	2	Date of minimum U23	-	DATETIME
19485	0x4C1D	2	Minimum Ph-Ph Voltage : U31	V 10 ⁻²	U32
19487	0x4C1F	2	Date of minimum U31	-	DATETIME
19489	0x4C21	2	Minimum Current : I1	mA	U32
19491	0x4C23	2	Date of minimum I1	-	DATETIME
19493	0x4C25	2	Minimum Current : I2	mA	U32
19495	0x4C27	2	Date of minimum I2	-	DATETIME
19497	0x4C29	2	Minimum Current : I3	mA	U32
19499	0x4C2B	2	Date of minimum I3	-	DATETIME
19501	0x4C2D	2	Minimum Current : In	mA	U32
19503	0x4C2F	2	Date of minimum In	-	DATETIME
19505	0x4C31	2	Minimum Total active power	W	S32
19507	0x4C33	2	Date of minimum Ptot	-	DATETIME
19509	0x4C35	2	Minimum Total reactive power	var	S32
19511	0x4C37	2	Date of minimum Qtot	-	DATETIME

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19513	0x4C39	2	Minimum Total apparent power	VA	U32
19515	0x4C3B	2	Date of minimum Stot	-	DATETIME
19517	0x4C3D	1	Minimum Total power factor	- / 1000	S16
19518	0x4C3E	1	Minimum Total Power factor type 0 : undefined 1 : leading 2 : lagging	-	U8
19519	0x4C3F	2	Date of minimum Total power factor	-	DATETIME
19521	0x4C41	2	Minimum Active power : P1	W	S32
19523	0x4C43	2	Date of minimum P1	-	DATETIME
19525	0x4C45	2	Minimum Active power : P2	W	S32
19527	0x4C47	2	Date of minimum P2	-	DATETIME
19529	0x4C49	2	Minimum Active power : P3	W	S32
19531	0x4C4B	2	Date of minimum P3	-	DATETIME
19533	0x4C4D	2	Minimum Reactive power : Q1	var	S32
19535	0x4C4F	2	Date of minimum Q1	-	DATETIME
19537	0x4C51	2	Minimum Reactive power : Q2	var	S32
19539	0x4C53	2	Date of minimum Q2	-	DATETIME
19541	0x4C55	2	Minimum Reactive power : Q3	var	S32
19543	0x4C57	2	Date of minimum Q3	-	DATETIME
19545	0x4C59	2	Minimum Apparent power : S1	VA	U32
19547	0x4C5B	2	Date of minimum S1	-	DATETIME
19549	0x4C5D	2	Minimum Apparent power : S2	VA	U32
19551	0x4C5F	2	Date of minimum S2	-	DATETIME
19553	0x4C61	2	Minimum Apparent power : S3	VA	U32
19555	0x4C63	2	Date of minimum S3	-	DATETIME
19557	0x4C65	1	Minimum Power factor : PF1	- / 1000	S16
19558	0x4C66	1	Minimum Power factor type : sPF1 0 : undefined 1 : leading 2 : lagging	-	U8
19559	0x4C67	2	Date of minimum PF1	-	DATETIME
19561	0x4C69	1	Minimum Power factor : PF2	- / 1000	S16

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19562	0x4C6A	1	Minimum Power factor type : sPF2 0 : undefined 1 : leading 2 : lagging	-	U8
19563	0x4C6B	2	Date of minimum PF2	-	DATETIME
19565	0x4C6D	1	Minimum Power factor : PF3	- / 1000	S16
19566	0x4C6E	1	Minimum Power factor type : sPF3 0 : undefined 1 : leading 2 : lagging	-	U8
19567	0x4C6F	2	Date of minimum PF3	-	DATETIME

Load Avg max

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19328	0x4B80	Info	113	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
19328	0x4B80	1	Load status : 0 : Disabled 1 : Enabled	-	U8
19329	0x4B81	2	Maximum Frequency	mHz	U32
19331	0x4B83	2	Date of maximum F	-	DATETIME
19333	0x4B85	2	Maximum Ph-N Voltage : V1	V 10 ⁻²	U32
19335	0x4B87	2	Date of maximum V1	-	DATETIME
19337	0x4B89	2	Maximum Ph-N Voltage : V2	V 10 ⁻²	U32
19339	0x4B8B	2	Date of maximum V2	-	DATETIME
19341	0x4B8D	2	Maximum Ph-N Voltage : V3	V 10 ⁻²	U32
19343	0x4B8F	2	Date of maximum V3	-	DATETIME
19345	0x4B91	2	Maximum Ph-N Voltage : Vn	V 10 ⁻²	U32
19347	0x4B93	2	Date of maximum Vn	-	DATETIME
19349	0x4B95	2	Maximum Ph-Ph Voltage : U12	V 10 ⁻²	U32
19351	0x4B97	2	Date of maximum U12	-	DATETIME
19353	0x4B99	2	Maximum Ph-Ph Voltage : U23	V 10 ⁻²	U32
19355	0x4B9B	2	Date of maximum U23	-	DATETIME

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19357	0x4B9D	2	Maximum Ph-Ph Voltage : U31	V 10 ⁻²	U32
19359	0x4B9F	2	Date of maximum U31	-	DATETIME
19361	0x4BA1	2	Maximum Current : I1	mA	U32
19363	0x4BA3	2	Date of maximum I1	-	DATETIME
19365	0x4BA5	2	Maximum Current : I2	mA	U32
19367	0x4BA7	2	Date of maximum I2	-	DATETIME
19369	0x4BA9	2	Maximum Current : I3	mA	U32
19371	0x4BAB	2	Date of maximum I3	-	DATETIME
19373	0x4BAD	2	Maximum Current : In	mA	U32
19375	0x4BAF	2	Date of maximum In	-	DATETIME
19377	0x4BB1	2	Maximum Total active power	W	S32
19379	0x4BB3	2	Date of maximum Ptot	-	DATETIME
19381	0x4BB5	2	Maximum Total reactive power	var	S32
19383	0x4BB7	2	Date of maximum Qtot	-	DATETIME
19385	0x4BB9	2	Maximum Total apparent power	VA	U32
19387	0x4BBB	2	Date of maximum Stot	-	DATETIME
19389	0x4BBD	1	Maximum Total power factor	- / 1000	S16
19390	0x4BBE	1	Maximum Total Power factor type 0 : undefined 1 : leading 2 : lagging	-	U8
19391	0x4BBF	2	Date of maximum Total power factor	-	DATETIME
19393	0x4BC1	2	Maximum Active power : P1	W	S32
19395	0x4BC3	2	Date of maximum P1	-	DATETIME
19397	0x4BC5	2	Maximum Active power : P2	W	S32
19399	0x4BC7	2	Date of maximum P2	-	DATETIME
19401	0x4BC9	2	Maximum Active power : P3	W	S32
19403	0x4BCB	2	Date of maximum P3	-	DATETIME
19405	0x4BCD	2	Maximum Reactive power : Q1	var	S32
19407	0x4BCF	2	Date of maximum Q1	-	DATETIME
19409	0x4BD1	2	Maximum Reactive power : Q2	var	S32
19411	0x4BD3	2	Date of maximum Q2	-	DATETIME
19413	0x4BD5	2	Maximum Reactive power : Q3	var	S32

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19415	0x4BD7	2	Date of maximum Q3	-	DATETIME
19417	0x4BD9	2	Maximum Apparent power : S1	VA	U32
19419	0x4BDB	2	Date of maximum S1	-	DATETIME
19421	0x4BDD	2	Maximum Apparent power : S2	VA	U32
19423	0x4BDF	2	Date of maximum S2	-	DATETIME
19425	0x4BE1	2	Maximum Apparent power : S3	VA	U32
19427	0x4BE3	2	Date of maximum S3	-	DATETIME
19429	0x4BE5	1	Maximum Power factor : PF1	- / 1000	S16
19430	0x4BE6	1	Maximum Power factor type : sPF1 0 : undefined 1 : leading 2 : lagging	-	U8
19431	0x4BE7	2	Date of maximum PF1	-	DATETIME
19433	0x4BE9	1	Maximum Power factor : PF2	- / 1000	S16
19434	0x4BEA	1	Maximum Power factor type : sPF2 0 : undefined 1 : leading 2 : lagging	-	U8
19435	0x4BEB	2	Date of maximum PF2	-	DATETIME
19437	0x4BED	1	Maximum Power factor : PF3	- / 1000	S16
19438	0x4BEE	1	Maximum Power factor type : sPF3 0 : undefined 1 : leading 2 : lagging	-	U8
19439	0x4BEF	2	Date of maximum PF3	-	DATETIME

Reset

Load Reset min/max						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20097	0x4E81	Commands	2	NONE	WRITE_MANY	WRITE_MANY

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Dec address	Hex address	Words count	Description	Unit	Data type
20097	0x4E81	1	Erase (1) : These values could be combine all 0x0001 : AVG Min/Max 4V 0x0002 : AVG Min/Max 3U 0x0004 : AVG Min/Max 4I 0x0008 : AVG Min/Max F 0x0030 : AVG Min/Max P 0x00C0 : AVG Min/Max Q 0x0100 : AVG Min/Max S 0x0200 : AVG Min/Max PF 0xFFFF : AVG Min/Max ALL	-	U16_HEX
20098	0x4E82	1	Erase (2) : These values could be combine all 0x0001 : Instantaneous Min/Max 4V 0x0002 : Instantaneous Min/Max 3U 0x0004 : Instantaneous Min/Max 4I 0x0008 : Instantaneous Min/Max F 0x0030 : Instantaneous Min/Max P 0x00C0 : Instantaneous Min/Max Q 0x0100 : Instantaneous Min/Max S 0x0200 : Instantaneous Min/Max PF and Phi I/V 0x1000 : Instantaneous Min/Max THD and TDD I 0x8000 : Instantaneous Min/Max Crest Fact. I 0xFFFF : Instantaneous Min/Max ALL	-	U16_HEX

Trend

<i>Trend settings</i>						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
41872	0xA390	Settings	36	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
41872	0xA390	2	ServiceID item 1	-	U32
41874	0xA392	1	Occurence item 1:	-	U8
41875	0xA393	2	ServiceID item 2	-	U32

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41877	0xA395	1	Occurence item 2:	-	U8
41878	0xA396	2	ServiceID item 3	-	U32
41880	0xA398	1	Occurence item 3:	-	U8
41881	0xA399	2	ServiceID item 4	-	U32
41883	0xA39B	1	Occurence item 4:	-	U8
41884	0xA39C	2	ServiceID item 5	-	U32
41886	0xA39E	1	Occurence item 5:	-	U8
41887	0xA39F	2	ServiceID item 6	-	U32
41889	0xA3A1	1	Occurence item 6:	-	U8
41890	0xA3A2	2	ServiceID item 7	-	U32
41892	0xA3A4	1	Occurence item 7:	-	U8
41893	0xA3A5	2	ServiceID item 8	-	U32
41895	0xA3A7	1	Occurence item 8:	-	U8
41896	0xA3A8	2	ServiceID item 9	-	U32
41898	0xA3AA	1	Occurence item 9:	-	U8
41899	0xA3AB	2	ServiceID item 10	-	U32
41901	0xA3AD	1	Occurence item 10:	-	U8
41902	0xA3AE	2	ServiceID item 11	-	U32
41904	0xA3B0	1	Occurence item 11:	-	U8
41905	0xA3B1	2	ServiceID item 12	-	U32
41907	0xA3B3	1	Occurence item 12:	-	U8

Trend service log

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
41978	0xA3FA	Command	2	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
41978	0xA3FA	1	Start record number (0 to 65534) or 65535 for last record	-	U16

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41979	0xA3FB	1	Item number 0 : Item 1 1 : Item 2 2 : Item 3 3 : Item 4 4 : Item 5 5 : Item 6 6 : Item 7 7 : Item 8 8 : Item 9 9 : Item 10 10 : Item 11 11 : Item 12 12 : Item 13 13 : Item 14 14 : Item 15 15 : Item 16 16 : Item 17 17 : Item 18 18 : Item 19 19 : Item 20	-	U8
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Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
41980	0xA3FC	Header	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
41980	0xA3FC	1	Next record number	-	U16
41981	0xA3FD	1	Items count (12 per record)	-	U16
41982	0xA3FE	1	Item size	-	U16
41983	0xA3FF	1	Integration period duration	min	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
41984	0xA400	Data	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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41984	0xA400	2	Date	s	DATETIME
41986	0xA402	2	Point value	-	F32

Trend point log

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42064	0xA450	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
42064	0xA450	1	Start record number (0 to 65534) or 65535 for last record	-	U16

Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42080	0xA460	Header	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
42080	0xA460	1	Next record number	-	U16
42081	0xA461	1	Items count (2 per record)	-	U16
42082	0xA462	1	Item size	-	U16
42083	0xA463	1	Integration period duration	min	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42084	0xA464	Data	58	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
42084	0xA464	2	Date	-	DATETIME
42086	0xA466	2	Trend item 1	-	S32

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42088	0xA468	2	Trend item 2	-	S32
42090	0xA46A	2	Trend item 3	-	S32
42092	0xA46C	2	Trend item 4	-	S32
42094	0xA46E	2	Trend item 5	-	S32
42096	0xA470	2	Trend item 6	-	S32
42098	0xA472	2	Trend item 7	-	S32
42100	0xA474	2	Trend item 8	-	S32
42102	0xA476	2	Trend item 9	-	S32
42104	0xA478	2	Trend item 10	-	S32
42106	0xA47A	2	Trend item 11	-	S32
42108	0xA47C	2	Trend item 12	-	S32
42110	0xA47E	2	Reserved	-	-
42112	0xA480	2	Reserved	-	-
42114	0xA482	2	Reserved	-	-
42116	0xA484	2	Reserved	-	-
42118	0xA486	2	Reserved	-	-
42120	0xA488	2	Reserved	-	-
42122	0xA48A	2	Reserved	-	-
42124	0xA48C	2	Reserved	-	-
42126	0xA48E	2	Reserved	-	-
42128	0xA490	2	Reserved	-	-
42130	0xA492	2	Reserved	-	-
42132	0xA494	2	Reserved	-	-
42134	0xA496	2	Reserved	-	-
42136	0xA498	2	Reserved	-	-
42138	0xA49A	2	Reserved	-	-
42140	0xA49C	2	Reserved	-	-

Waveform probes settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29440	0x7300	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29440	0x7300	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29441	0x7301	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29441	0x7301	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29442	0x7302	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29442	0x7302	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29443	0x7303	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29443	0x7303	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29444	0x7304	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29444	0x7304	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29445	0x7305	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29445	0x7305	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #7

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29446	0x7306	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29446	0x7306	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #8

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29447	0x7307	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29447	0x7307	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #9

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29448	0x7308	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29448	0x7308	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform probes settings #10

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29449	0x7309	Settings	1	NONE	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29449	0x7309	1	Samples source 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8

Waveform trigger

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29472	0x7320	Commands	1	USER	READ	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
29472	0x7320	1	Start 1 : Start capture 0 : No action	-	U8

Waveform selection

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29488	0x7330	Commands	1	USER	READ	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
29488	0x7330	1	Probe to read 0 : Probe 1 1 : Probe 2 2 : Probe 3 3 : Probe 4 4 : Probe 5 5 : Probe 6 6 : Probe 7 7 : Probe 8 8 : Probe 9 9 : Probe 10	-	U8

Waveform

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29504	0x7340	Info	109	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
29504	0x7340	4	Date	-	DATETIME_MS

29508	0x7344	1	Probe 0 : Probe 1 1 : Probe 2 2 : Probe 3 3 : Probe 4 4 : Probe 5 5 : Probe 6 6 : Probe 7 7 : Probe 8 8 : Probe 9 9 : Probe 10	-	U8
29509	0x7345	1	Line 0 : N/A 1 : V1 2 : V2 3 : V3 4 : U12 5 : U23 6 : U31 7 : I1 8 : I2 9 : I3 10 : I4	-	U8
29510	0x7346	2	Duration	s / 1000000	U32
29512	0x7348	2	Weight (Numerator)	-	U32
29514	0x734A	2	Weight (Denominator)	-	U32
29516	0x734C	1	Number of samples	-	U16
29517	0x734D	96	Samples	-	S16[]

Metrology

Inst. metrology table						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
256	0x0100	Info	120	NONE	READ	READ

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Dec address	Hex address	Words count	Description	Unit	Data type
256	0x0100	4	TimeExt	s 10 ⁻³	DATETIME_MS
260	0x0104	1	Flag Event	-	U16_HEX
261	0x0105	2	PktIdx	-	U32
263	0x0107	1	AggrNb	-	U16
264	0x0108	2	F	Hz	F32
266	0x010A	2	U12	V	F32
268	0x010C	2	U23	V	F32
270	0x010E	2	U31	V	F32
272	0x0110	2	U12h1	V	F32
274	0x0112	2	U23h1	V	F32
276	0x0114	2	U31h1	V	F32
278	0x0116	2	phi U12h1	?	F32
280	0x0118	2	phi U23h1	?	F32
282	0x011A	2	phi U31h1	?	F32
284	0x011C	2	V1	V	F32
286	0x011E	2	V2	V	F32
288	0x0120	2	V3	V	F32
290	0x0122	2	Vn	V	F32
292	0x0124	2	V1h1	V	F32
294	0x0126	2	V2h1	V	F32
296	0x0128	2	V3h1	V	F32
298	0x012A	2	Vnh1	V	F32
300	0x012C	2	phi V1h1	?	F32
302	0x012E	2	phi V2h1	?	F32
304	0x0130	2	phi V3h1	?	F32
306	0x0132	2	phi Vnh1	?	F32
308	0x0134	2	I1	A	F32
310	0x0136	2	I2	A	F32
312	0x0138	2	I3	A	F32
314	0x013A	2	I4	A	F32

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316	0x013C	2	Reserved	-	-
318	0x013E	2	Reserved	-	-
320	0x0140	2	I1h1	A	F32
322	0x0142	2	I2h1	A	F32
324	0x0144	2	I3h1	A	F32
326	0x0146	2	I4h1	A	F32
328	0x0148	2	Reserved	-	-
330	0x014A	2	Reserved	-	-
332	0x014C	2	phi I1h1	?	F32
334	0x014E	2	phi I2h1	?	F32
336	0x0150	2	phi I3h1	?	F32
338	0x0152	2	phi I4h1	?	F32
340	0x0154	2	Reserved	-	-
342	0x0156	2	Reserved	-	-
344	0x0158	2	P1	W	F32
346	0x015A	2	P2	W	F32
348	0x015C	2	P3	W	F32
350	0x015E	2	P4	W	F32
352	0x0160	2	Reserved	-	-
354	0x0162	2	Reserved	-	-
356	0x0164	2	Q1	var	F32
358	0x0166	2	Q2	var	F32
360	0x0168	2	Q3	var	F32
362	0x016A	2	Q4	var	F32
364	0x016C	2	Reserved	-	-
366	0x016E	2	Reserved	-	-
368	0x0170	2	VGndA	V	F32
370	0x0172	2	VGndB	V	F32
372	0x0174	2	VGndC	V	F32
374	0x0176	2	VGndD	V	F32

Avg. metrology table

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
384	0x0180	Info	120	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
384	0x0180	4	TimeExt	s 10 ⁻³	DATETIME_MS
388	0x0184	1	Flag Event	-	U16_HEX
389	0x0185	2	PktIdx	-	U32
391	0x0187	1	AggrNb	-	U16
392	0x0188	2	F	Hz	F32
394	0x018A	2	U12	V	F32
396	0x018C	2	U23	V	F32
398	0x018E	2	U31	V	F32
400	0x0190	2	U12h1	V	F32
402	0x0192	2	U23h1	V	F32
404	0x0194	2	U31h1	V	F32
406	0x0196	2	phi U12h1	?	F32
408	0x0198	2	phi U23h1	?	F32
410	0x019A	2	phi U31h1	?	F32
412	0x019C	2	V1	V	F32
414	0x019E	2	V2	V	F32
416	0x01A0	2	V3	V	F32
418	0x01A2	2	Vn	V	F32
420	0x01A4	2	V1h1	V	F32
422	0x01A6	2	V2h1	V	F32
424	0x01A8	2	V3h1	V	F32
426	0x01AA	2	Vnh1	V	F32
428	0x01AC	2	phi V1h1	?	F32
430	0x01AE	2	phi V2h1	?	F32
432	0x01B0	2	phi V3h1	?	F32
434	0x01B2	2	phi Vnh1	?	F32
436	0x01B4	2	I1	A	F32

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438	0x01B6	2	I2	A	F32
440	0x01B8	2	I3	A	F32
442	0x01BA	2	I4	A	F32
444	0x01BC	2	Reserved	-	-
446	0x01BE	2	Reserved	-	-
448	0x01C0	2	I1h1	A	F32
450	0x01C2	2	I2h1	A	F32
452	0x01C4	2	I3h1	A	F32
454	0x01C6	2	I4h1	A	F32
456	0x01C8	2	Reserved	-	-
458	0x01CA	2	Reserved	-	-
460	0x01CC	2	phi I1h1	?	F32
462	0x01CE	2	phi I2h1	?	F32
464	0x01D0	2	phi I3h1	?	F32
466	0x01D2	2	phi I4h1	?	F32
468	0x01D4	2	Reserved	-	-
470	0x01D6	2	Reserved	-	-
472	0x01D8	2	P1	W	F32
474	0x01DA	2	P2	W	F32
476	0x01DC	2	P3	W	F32
478	0x01DE	2	P4	W	F32
480	0x01E0	2	Reserved	-	-
482	0x01E2	2	Reserved	-	-
484	0x01E4	2	Q1	var	F32
486	0x01E6	2	Q2	var	F32
488	0x01E8	2	Q3	var	F32
490	0x01EA	2	Q4	var	F32
492	0x01EC	2	Reserved	-	-
494	0x01EE	2	Reserved	-	-
496	0x01F0	2	VGndA	V	F32
498	0x01F2	2	VGndB	V	F32
500	0x01F4	2	VGndC	V	F32

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502	0x01F6	2	VGndD	V	F32
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Metrology table (refreshed @ N x Period)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
117	0x0075	Info	60	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
117	0x0075	4	TimeExt	s 10 ⁻³	DATETIME_MS
121	0x0079	1	Flag Event	-	U16_HEX
122	0x007A	2	PktIdx	-	U32
124	0x007C	1	AggrNb	-	U16
125	0x007D	2	F	Hz	F32
127	0x007F	2	U12	V	F32
129	0x0081	2	U23	V	F32
131	0x0083	2	U31	V	F32
133	0x0085	2	V1	V	F32
135	0x0087	2	V2	V	F32
137	0x0089	2	V3	V	F32
139	0x008B	2	Vn	V	F32
141	0x008D	2	I1	A	F32
143	0x008F	2	I2	A	F32
145	0x0091	2	I3	A	F32
147	0x0093	2	I4	A	F32
149	0x0095	2	Reserved	-	-
151	0x0097	2	Reserved	-	-
153	0x0099	2	P1	W	F32
155	0x009B	2	P2	W	F32
157	0x009D	2	P3	W	F32
159	0x009F	2	P4	W	F32
161	0x00A1	2	Reserved	-	-

163	0x00A3	2	Reserved	-	-
165	0x00A5	2	Q1	var	F32
167	0x00A7	2	Q2	var	F32
169	0x00A9	2	Q3	var	F32
171	0x00AB	2	Q4	var	F32
173	0x00AD	2	Reserved	-	-
175	0x00AF	2	Reserved	-	-

Metrology table settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
245	0x00F5	Settings	2	NONE	READ WRITE WRITE_MANY	READ WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
245	0x00F5	1	Enable Fast metro 0 : Disable 1 : Enable	-	U8
246	0x00F6	1	Integration time in nb of onep (Default: 5)	-	U16

Power Quality Analysis

Quality events

EN50160 events in progress #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42240	0xA500	Info	46	NONE	READ	READ

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Dec address	Hex address	Words count	Description	Unit	Data type
42240	0xA500	1	Event state 0 : Inactive 1 : Active	-	U16
42241	0xA501	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Interruption 4 : Inrush current	-	U16
42242	0xA502	4	Start date	-	DATETIME_MS
42246	0xA506	4	End date	-	DATETIME_MS
42250	0xA50A	1	Net/Load 0 : Net 1 : Load1	-	U8
42251	0xA50B	1	Line mask	-	U16_HEX
42252	0xA50C	1	Start mask	-	U16_HEX
42253	0xA50D	1	End mask	-	U16_HEX
42254	0xA50E	1	Trig ratio	%	U16
42255	0xA50F	1	Ret trig ratio	%	U16
42256	0xA510	2	Bit weight VU	mV	U32
42258	0xA512	2	Bit weight I1	A 10 ⁻⁵	U32
42260	0xA514	2	Bit weight I2	A 10 ⁻⁵	U32
42262	0xA516	2	Bit weight I3	A 10 ⁻⁵	U32
42264	0xA518	2	Bit weight In	A 10 ⁻⁵	U32
42266	0xA51A	1	V1ref	-	U16
42267	0xA51B	1	V2ref	-	U16
42268	0xA51C	1	V3ref	-	U16
42269	0xA51D	1	U12ref	-	U16
42270	0xA51E	1	U23ref	-	U16
42271	0xA51F	1	U31ref	-	U16
42272	0xA520	1	I1ref	-	U16
42273	0xA521	1	I2ref	-	U16
42274	0xA522	1	I3ref	-	U16

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42275	0xA523	1	Inref	-	U16
42276	0xA524	1	V1 min/max	-	U16
42277	0xA525	1	V2 min/max	-	U16
42278	0xA526	1	V3 min/max	-	U16
42279	0xA527	1	U12 min/max	-	U16
42280	0xA528	1	U23 min/max	-	U16
42281	0xA529	1	U31 min/max	-	U16
42282	0xA52A	1	I1 min/max	-	U16
42283	0xA52B	1	I2 min/max	-	U16
42284	0xA52C	1	I3 min/max	-	U16
42285	0xA52D	1	In min/max	-	U16

EN50160 events in progress #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42286	0xA52E	Info	46	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
42286	0xA52E	1	Event state 0 : Inactive 1 : Active	-	U16
42287	0xA52F	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Interruption 4 : Inrush current	-	U16
42288	0xA530	4	Start date	-	DATETIME_MS
42292	0xA534	4	End date	-	DATETIME_MS
42296	0xA538	1	Net/Load 0 : Net 1 : Load1	-	U8
42297	0xA539	1	Line mask	-	U16_HEX
42298	0xA53A	1	Start mask	-	U16_HEX

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42299	0xA53B	1	End mask	-	U16_HEX
42300	0xA53C	1	Trig ratio	%	U16
42301	0xA53D	1	Ret trig ratio	%	U16
42302	0xA53E	2	Bit weight VU	mV	U32
42304	0xA540	2	Bit weight I1	A 10 ⁻⁵	U32
42306	0xA542	2	Bit weight I2	A 10 ⁻⁵	U32
42308	0xA544	2	Bit weight I3	A 10 ⁻⁵	U32
42310	0xA546	2	Bit weight In	A 10 ⁻⁵	U32
42312	0xA548	1	V1ref	-	U16
42313	0xA549	1	V2ref	-	U16
42314	0xA54A	1	V3ref	-	U16
42315	0xA54B	1	U12ref	-	U16
42316	0xA54C	1	U23ref	-	U16
42317	0xA54D	1	U31ref	-	U16
42318	0xA54E	1	I1ref	-	U16
42319	0xA54F	1	I2ref	-	U16
42320	0xA550	1	I3ref	-	U16
42321	0xA551	1	Inref	-	U16
42322	0xA552	1	V1 min/max	-	U16
42323	0xA553	1	V2 min/max	-	U16
42324	0xA554	1	V3 min/max	-	U16
42325	0xA555	1	U12 min/max	-	U16
42326	0xA556	1	U23 min/max	-	U16
42327	0xA557	1	U31 min/max	-	U16
42328	0xA558	1	I1 min/max	-	U16
42329	0xA559	1	I2 min/max	-	U16
42330	0xA55A	1	I3 min/max	-	U16
42331	0xA55B	1	In min/max	-	U16

EN50160 events in progress #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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42332	0xA55C	Info	46	NONE	READ	READ
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Dec address	Hex address	Words count	Description	Unit	Data type
42332	0xA55C	1	Event state 0 : Inactive 1 : Active	-	U16
42333	0xA55D	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Interruption 4 : Inrush current	-	U16
42334	0xA55E	4	Start date	-	DATETIME_MS
42338	0xA562	4	End date	-	DATETIME_MS
42342	0xA566	1	Net/Load 0 : Net 1 : Load1	-	U8
42343	0xA567	1	Line mask	-	U16_HEX
42344	0xA568	1	Start mask	-	U16_HEX
42345	0xA569	1	End mask	-	U16_HEX
42346	0xA56A	1	Trig ratio	%	U16
42347	0xA56B	1	Ret trig ratio	%	U16
42348	0xA56C	2	Bit weight VU	mV	U32
42350	0xA56E	2	Bit weight I1	A 10 ⁻⁵	U32
42352	0xA570	2	Bit weight I2	A 10 ⁻⁵	U32
42354	0xA572	2	Bit weight I3	A 10 ⁻⁵	U32
42356	0xA574	2	Bit weight In	A 10 ⁻⁵	U32
42358	0xA576	1	V1ref	-	U16
42359	0xA577	1	V2ref	-	U16
42360	0xA578	1	V3ref	-	U16
42361	0xA579	1	U12ref	-	U16
42362	0xA57A	1	U23ref	-	U16
42363	0xA57B	1	U31ref	-	U16
42364	0xA57C	1	I1ref	-	U16

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42365	0xA57D	1	I2ref	-	U16
42366	0xA57E	1	I3ref	-	U16
42367	0xA57F	1	Inref	-	U16
42368	0xA580	1	V1 min/max	-	U16
42369	0xA581	1	V2 min/max	-	U16
42370	0xA582	1	V3 min/max	-	U16
42371	0xA583	1	U12 min/max	-	U16
42372	0xA584	1	U23 min/max	-	U16
42373	0xA585	1	U31 min/max	-	U16
42374	0xA586	1	I1 min/max	-	U16
42375	0xA587	1	I2 min/max	-	U16
42376	0xA588	1	I3 min/max	-	U16
42377	0xA589	1	In min/max	-	U16

Inrush events in progress

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42384	0xA590	Info	46	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
42384	0xA590	1	Event state 0 : Inactive 1 : Active	-	U16
42385	0xA591	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Interruption 4 : Inrush current	-	U16
42386	0xA592	4	Start date	-	DATETIME_MS
42390	0xA596	4	End date	-	DATETIME_MS
42394	0xA59A	1	Net/Load 0 : Net 1 : Load1 6 : Undefined	-	U8

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42395	0xA59B	1	Line mask	-	U16_HEX
42396	0xA59C	1	Start mask	-	U16_HEX
42397	0xA59D	1	End mask	-	U16_HEX
42398	0xA59E	1	Trig ratio	%	U16
42399	0xA59F	1	Ret trig ratio	%	U16
42400	0xA5A0	2	Bit weight VU	mV	U32
42402	0xA5A2	2	Bit weight I1	A 10 ⁻⁵	U32
42404	0xA5A4	2	Bit weight I2	A 10 ⁻⁵	U32
42406	0xA5A6	2	Bit weight I3	A 10 ⁻⁵	U32
42408	0xA5A8	2	Bit weight In	A 10 ⁻⁵	U32
42410	0xA5AA	1	V1ref	-	U16
42411	0xA5AB	1	V2ref	-	U16
42412	0xA5AC	1	V3ref	-	U16
42413	0xA5AD	1	U12ref	-	U16
42414	0xA5AE	1	U23ref	-	U16
42415	0xA5AF	1	U31ref	-	U16
42416	0xA5B0	1	I1ref	-	U16
42417	0xA5B1	1	I2ref	-	U16
42418	0xA5B2	1	I3ref	-	U16
42419	0xA5B3	1	Inref	-	U16
42420	0xA5B4	1	V1 min/max	-	U16
42421	0xA5B5	1	V2 min/max	-	U16
42422	0xA5B6	1	V3 min/max	-	U16
42423	0xA5B7	1	U12 min/max	-	U16
42424	0xA5B8	1	U23 min/max	-	U16
42425	0xA5B9	1	U31 min/max	-	U16
42426	0xA5BA	1	I1 min/max	-	U16
42427	0xA5BB	1	I2 min/max	-	U16
42428	0xA5BC	1	I3 min/max	-	U16
42429	0xA5BD	1	In min/max	-	U16

Quality events log

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42752	0xA700	Command	2	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
42752	0xA700	1	Start record number (0 to 65534) or 65535 for last record	-	U16
42753	0xA701	1	Event type 0 : All 1 : Swell 2 : Dip 3 : Interruption 4 : Inrush current 5 : Trip	-	U16

Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42768	0xA710	Header	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
42768	0xA710	1	Next record number	-	U16
42769	0xA711	1	Items count (max 3 per request)	-	U16
42770	0xA712	1	Item size (words)	-	U16
42771	0xA713	1	Event type 0 : All 1 : Swell 2 : Dip 3 : Interruption 4 : Inrush current 5 : Trip	-	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42772	0xA714	Data	45	NONE	READ	READ

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Dec address	Hex address	Words count	Description	Unit	Data type
42772	0xA714	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Interruption 4 : Inrush current	-	U16
42773	0xA715	4	Start date	-	DATETIME_MS
42777	0xA719	4	End date	-	DATETIME_MS
42781	0xA71D	1	Net/Load 0 : Net 1 : Load 1 2 : Load 2 3 : Load 3 4 : Load 4 6 : Undefined	-	U8
42782	0xA71E	1	Line mask	-	U16_HEX
42783	0xA71F	1	Start mask	-	U16_HEX
42784	0xA720	1	End mask	-	U16_HEX
42785	0xA721	1	Trig ratio	%	U16
42786	0xA722	1	Ret trig ratio	%	U16
42787	0xA723	2	Bit weight VU	mV	U32
42789	0xA725	2	Bit weight I1	A 10 ⁻⁵	U32
42791	0xA727	2	Bit weight I2	A 10 ⁻⁵	U32
42793	0xA729	2	Bit weight I3	A 10 ⁻⁵	U32
42795	0xA72B	2	Bit weight In	A 10 ⁻⁵	U32
42797	0xA72D	1	V1ref	-	U16
42798	0xA72E	1	V2ref	-	U16
42799	0xA72F	1	V3ref	-	U16
42800	0xA730	1	U12ref	-	U16
42801	0xA731	1	U23ref	-	U16
42802	0xA732	1	U31ref	-	U16
42803	0xA733	1	I1ref	-	U16
42804	0xA734	1	I2ref	-	U16

42805	0xA735	1	I3ref	-	U16
42806	0xA736	1	Inref	-	U16
42807	0xA737	1	V1 min/max	-	U16
42808	0xA738	1	V2 min/max	-	U16
42809	0xA739	1	V3 min/max	-	U16
42810	0xA73A	1	U12 min/max	-	U16
42811	0xA73B	1	U23 min/max	-	U16
42812	0xA73C	1	U31 min/max	-	U16
42813	0xA73D	1	I1 min/max	-	U16
42814	0xA73E	1	I2 min/max	-	U16
42815	0xA73F	1	I3 min/max	-	U16
42816	0xA740	1	In min/max	-	U16

Settings

EN50160 events settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42628	0xA684	Settings	7	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
42628	0xA684	1	Reference voltage 0 : Fixed reference voltage 1 : Sliding reference voltage	-	U16
42629	0xA685	1	Dip (Udip) threshold	%	U16
42630	0xA686	1	Dip (Udip) hysteresis	%	U16
42631	0xA687	1	Swell (Uswl) threshold	%	U16
42632	0xA688	1	Swell (Uswl) hysteresis	%	U16
42633	0xA689	1	Interruption (Uint) threshold	%	U16
42634	0xA68A	1	Interruption (Uint) hysteresis	%	U16

Inrush events settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
42640	0xA690	Settings	2	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
42640	0xA690	1	Inrush current threshold	%	U16
42641	0xA691	1	Inrush current hysteresis	%	U16

Energy AC

Meters

Energy meters

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19840	0x4D80	Info	90	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
19840	0x4D80	1	Load status : 0 : Disabled 1 : Enabled	-	U8
19841	0x4D81	2	Total Hour meter	s	U32
19843	0x4D83	2	Total Positive active Energy : Ea+	kWh	U32
19845	0x4D85	1	Total Residual positive active Energy : rEa+	Wh 10 ⁻¹	U16
19846	0x4D86	2	Total Negative active Energy : Ea-	kWh	U32
19848	0x4D88	1	Total Residual negative active Energy : rEa-	Wh 10 ⁻¹	U16

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19849	0x4D89	2	Total Positive reactive Energy : Er+	varh 10 ³	U32
19851	0x4D8B	1	Total Residual positive reactive Energy : rEr+	varh 10 ⁻¹	U16
19852	0x4D8C	2	Total Negative reactive Energy : Er-	varh 10 ³	U32
19854	0x4D8E	1	Total Residual negative reactive Energy : rEr-	varh 10 ⁻¹	U16
19855	0x4D8F	2	Total Apparent Energy : Eap	kVAh	U32
19857	0x4D91	1	Total Residual apparent Energy : rEap	VAh 10 ⁻¹	U16
19858	0x4D92	2	Total positive lagging reactive Energy : Er+ (lagging)	varh 10 ³	U32
19860	0x4D94	1	Total residual positive lagging reactive Energy : rEr+ (lagging)	varh 10 ⁻¹	U16
19861	0x4D95	2	Total negative lagging reactive Energy : Er- (lagging)	varh 10 ³	U32
19863	0x4D97	1	Total residual negative lagging reactive Energy : rEr- (lagging)	varh 10 ⁻¹	U16
19864	0x4D98	2	Total positive leading reactive Energy : Er+ (leading)	varh 10 ³	U32
19866	0x4D9A	1	Total residual positive leading reactive Energy : rEr+ (leading)	varh 10 ⁻¹	U16
19867	0x4D9B	2	Total negative leading reactive Energy : Er- (leading)	varh 10 ³	U32
19869	0x4D9D	1	Total residual negative leading reactive Energy : rEr- (leading)	varh 10 ⁻¹	U16
19870	0x4D9E	2	Partial Hour meter	s	U32
19872	0x4DA0	2	Partial Positive active Energy : Ea+	kWh	U32
19874	0x4DA2	1	Partial Residual Positive active Energy : rEa+	Wh 10 ⁻¹	U16
19875	0x4DA3	2	Partial Negative active Energy : Ea-	kWh	U32
19877	0x4DA5	1	Partial Residual Negative active Energy : rEa-	Wh 10 ⁻¹	U16
19878	0x4DA6	2	Partial Positive reactive Energy : Er+	varh 10 ³	U32
19880	0x4DA8	1	Partial Residual Positive reactive Energy : rEr+	varh 10 ⁻¹	U16
19881	0x4DA9	2	Partial Negative reactive Energy : Er-	varh 10 ³	U32
19883	0x4DAB	1	Partial Residual Negative reactive Energy : rEr-	varh 10 ⁻¹	U16
19884	0x4DAC	2	Partial Apparent Energy : Eap	kVAh	U32
19886	0x4DAE	1	Partial Residual Apparent Energy : rEap	VAh 10 ⁻¹	U16
19887	0x4DAF	2	Partial Positive lagging reactive Energy : Er+ (lagging)	varh 10 ³	U32
19889	0x4DB1	1	Partial Residual Positive lagging reactive Energy : rEr+ (lagging)	varh 10 ⁻¹	U16
19890	0x4DB2	2	Partial Negative lagging reactive Energy : Er- (lagging)	varh 10 ³	U32
19892	0x4DB4	1	Partial Residual Negative lagging reactive Energy : rEr- (lagging)	varh 10 ⁻¹	U16
19893	0x4DB5	2	Partial Positive leading reactive Energy : Er+ (leading)	varh 10 ³	U32
19895	0x4DB7	1	Partial Residual Positive leading reactive Energy : rEr+ (leading)	varh 10 ⁻¹	U16
19896	0x4DB8	2	Partial Negative leading reactive Energy : Er- (leading)	varh 10 ³	U32

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19898	0x4DBA	1	Partial Residual Negative leading reactive Energy : rEr- (leading)	varh 10 ⁻¹	U16
19899	0x4DBB	2	Last Partial Reset date	-	DATETIME
19901	0x4DBD	2	Last Partial Hour meter	s	U32
19903	0x4DBF	2	Last Partial positive active Energy : Ea+	kWh	U32
19905	0x4DC1	1	Last Partial residual positive active Energy : rEa+	Wh 10 ⁻¹	U16
19906	0x4DC2	2	Last Partial negative active Energy : Ea-	kWh	U32
19908	0x4DC4	1	Last Partial residual negative active Energy : rEa-	Wh 10 ⁻¹	U16
19909	0x4DC5	2	Last Partial positive reactive Energy : Er+	varh 10 ³	U32
19911	0x4DC7	1	Last Partial residual positive reactive Energy : rEr+	varh 10 ⁻¹	U16
19912	0x4DC8	2	Last Partial negative reactive Energy : Er-	varh 10 ³	U32
19914	0x4DCA	1	Last Partial residual negative reactive Energy : rEr-	varh 10 ⁻¹	U16
19915	0x4DCB	2	Last Partial Apparent Energy : Eap	kVAh	U32
19917	0x4DCD	1	Last Partial residual apparent Energy : rEap	VAh 10 ⁻¹	U16
19918	0x4DCE	2	Last Partial Positive Lagging Reactive Energy : Er+ (lagging)	varh 10 ³	U32
19920	0x4DD0	1	Last Partial Residual Positive Lagging Reactive Energy : rEr+ (lagging)	varh 10 ⁻¹	U16
19921	0x4DD1	2	Last Partial Negative Lagging Reactive Energy : Er- (lagging)	varh 10 ³	U32
19923	0x4DD3	1	Last Partial Residual Negative Lagging Reactive Energy : rEr- (lagging)	varh 10 ⁻¹	U16
19924	0x4DD4	2	Last Partial Positive Leading Reactive Energy : Er+ (leading)	varh 10 ³	U32
19926	0x4DD6	1	Last Partial Residual Positive Leading Reactive Energy : rEr+ (leading)	varh 10 ⁻¹	U16
19927	0x4DD7	2	Last Partial Negative Leading Reactive Energy : Er- (leading)	varh 10 ³	U32
19929	0x4DD9	1	Last Partial Residual Negative Leading Reactive Energy : rEr- (leading)	varh 10 ⁻¹	U16

Reset

Energy partial meters reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20096	0x4E80	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
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20096	0x4E80	1	Partial meters reset 0x003F : All	-	U16_HEX
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Tariff

Tariff Total Meter						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20224	0x4F00	Info	113	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20224	0x4F00	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8	-	U16
20225	0x4F01	2	T1 - Ea+	kWh	U32
20227	0x4F03	2	T2 - Ea+	kWh	U32
20229	0x4F05	2	T3 - Ea+	kWh	U32
20231	0x4F07	2	T4 - Ea+	kWh	U32
20233	0x4F09	2	T5 - Ea+	kWh	U32
20235	0x4F0B	2	T6 - Ea+	kWh	U32
20237	0x4F0D	2	T7 - Ea+	kWh	U32
20239	0x4F0F	2	T8 - Ea+	kWh	U32
20241	0x4F11	2	T1 - Ea-	kWh	U32
20243	0x4F13	2	T2 - Ea-	kWh	U32
20245	0x4F15	2	T3 - Ea-	kWh	U32
20247	0x4F17	2	T4 - Ea-	kWh	U32

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20249	0x4F19	2	T5 - Ea-	kWh	U32
20251	0x4F1B	2	T6 - Ea-	kWh	U32
20253	0x4F1D	2	T7 - Ea-	kWh	U32
20255	0x4F1F	2	T8 - Ea-	kWh	U32
20257	0x4F21	2	T1 - Er+ (lagging)	varh 10 ³	U32
20259	0x4F23	2	T2 - Er+ (lagging)	varh 10 ³	U32
20261	0x4F25	2	T3 - Er+ (lagging)	varh 10 ³	U32
20263	0x4F27	2	T4 - Er+ (lagging)	varh 10 ³	U32
20265	0x4F29	2	T5 - Er+ (lagging)	varh 10 ³	U32
20267	0x4F2B	2	T6 - Er+ (lagging)	varh 10 ³	U32
20269	0x4F2D	2	T7 - Er+ (lagging)	varh 10 ³	U32
20271	0x4F2F	2	T8 - Er+ (lagging)	varh 10 ³	U32
20273	0x4F31	2	T1 - Er+ (leading)	varh 10 ³	U32
20275	0x4F33	2	T2 - Er+ (leading)	varh 10 ³	U32
20277	0x4F35	2	T3 - Er+ (leading)	varh 10 ³	U32
20279	0x4F37	2	T4 - Er+ (leading)	varh 10 ³	U32
20281	0x4F39	2	T5 - Er+ (leading)	varh 10 ³	U32
20283	0x4F3B	2	T6 - Er+ (leading)	varh 10 ³	U32
20285	0x4F3D	2	T7 - Er+ (leading)	varh 10 ³	U32
20287	0x4F3F	2	T8 - Er+ (leading)	varh 10 ³	U32
20289	0x4F41	2	T1 - Er-	varh 10 ³	U32
20291	0x4F43	2	T2 - Er-	varh 10 ³	U32
20293	0x4F45	2	T3 - Er-	varh 10 ³	U32
20295	0x4F47	2	T4 - Er-	varh 10 ³	U32
20297	0x4F49	2	T5 - Er-	varh 10 ³	U32
20299	0x4F4B	2	T6 - Er-	varh 10 ³	U32
20301	0x4F4D	2	T7 - Er-	varh 10 ³	U32
20303	0x4F4F	2	T8 - Er-	varh 10 ³	U32
20305	0x4F51	2	T1 - Eap	kVAh	U32
20307	0x4F53	2	T2 - Eap	kVAh	U32
20309	0x4F55	2	T3 - Eap	kVAh	U32
20311	0x4F57	2	T4 - Eap	kVAh	U32

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20313	0x4F59	2	T5 - Eap	kVAh	U32
20315	0x4F5B	2	T6 - Eap	kVAh	U32
20317	0x4F5D	2	T7 - Eap	kVAh	U32
20319	0x4F5F	2	T8 - Eap	kVAh	U32
20321	0x4F61	2	T1 - Er+	varh 10 ³	U32
20323	0x4F63	2	T2 - Er+	varh 10 ³	U32
20325	0x4F65	2	T3 - Er+	varh 10 ³	U32
20327	0x4F67	2	T4 - Er+	varh 10 ³	U32
20329	0x4F69	2	T5 - Er+	varh 10 ³	U32
20331	0x4F6B	2	T6 - Er+	varh 10 ³	U32
20333	0x4F6D	2	T7 - Er+	varh 10 ³	U32
20335	0x4F6F	2	T8 - Er+	varh 10 ³	U32

Tariff Partial Meter

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20480	0x5000	Info	115	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20480	0x5000	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8	-	U16
20481	0x5001	2	Last Tariff Partial Reset date	-	DATETIME
20483	0x5003	2	T1 - Ea+	kWh	U32
20485	0x5005	2	T2 - Ea+	kWh	U32
20487	0x5007	2	T3 - Ea+	kWh	U32
20489	0x5009	2	T4 - Ea+	kWh	U32
20491	0x500B	2	T5 - Ea+	kWh	U32
20493	0x500D	2	T6 - Ea+	kWh	U32

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20495	0x500F	2	T7 - Ea+	kWh	U32
20497	0x5011	2	T8 - Ea+	kWh	U32
20499	0x5013	2	T1 - Ea-	kWh	U32
20501	0x5015	2	T2 - Ea-	kWh	U32
20503	0x5017	2	T3 - Ea-	kWh	U32
20505	0x5019	2	T4 - Ea-	kWh	U32
20507	0x501B	2	T5 - Ea-	kWh	U32
20509	0x501D	2	T6 - Ea-	kWh	U32
20511	0x501F	2	T7 - Ea-	kWh	U32
20513	0x5021	2	T8 - Ea-	kWh	U32
20515	0x5023	2	T1 - Er+ (lagging)	varh 10 ³	U32
20517	0x5025	2	T2 - Er+ (lagging)	varh 10 ³	U32
20519	0x5027	2	T3 - Er+ (lagging)	varh 10 ³	U32
20521	0x5029	2	T4 - Er+ (lagging)	varh 10 ³	U32
20523	0x502B	2	T5 - Er+ (lagging)	varh 10 ³	U32
20525	0x502D	2	T6 - Er+ (lagging)	varh 10 ³	U32
20527	0x502F	2	T7 - Er+ (lagging)	varh 10 ³	U32
20529	0x5031	2	T8 - Er+ (lagging)	varh 10 ³	U32
20531	0x5033	2	T1 - Er+ (leading)	varh 10 ³	U32
20533	0x5035	2	T2 - Er+ (leading)	varh 10 ³	U32
20535	0x5037	2	T3 - Er+ (leading)	varh 10 ³	U32
20537	0x5039	2	T4 - Er+ (leading)	varh 10 ³	U32
20539	0x503B	2	T5 - Er+ (leading)	varh 10 ³	U32
20541	0x503D	2	T6 - Er+ (leading)	varh 10 ³	U32
20543	0x503F	2	T7 - Er+ (leading)	varh 10 ³	U32
20545	0x5041	2	T8 - Er+ (leading)	varh 10 ³	U32
20547	0x5043	2	T1 - Er-	varh 10 ³	U32
20549	0x5045	2	T2 - Er-	varh 10 ³	U32
20551	0x5047	2	T3 - Er-	varh 10 ³	U32
20553	0x5049	2	T4 - Er-	varh 10 ³	U32
20555	0x504B	2	T5 - Er-	varh 10 ³	U32
20557	0x504D	2	T6 - Er-	varh 10 ³	U32

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20559	0x504F	2	T7 - Er-	varh 10 ³	U32
20561	0x5051	2	T8 - Er-	varh 10 ³	U32
20563	0x5053	2	T1 - Eap	kVAh	U32
20565	0x5055	2	T2 - Eap	kVAh	U32
20567	0x5057	2	T3 - Eap	kVAh	U32
20569	0x5059	2	T4 - Eap	kVAh	U32
20571	0x505B	2	T5 - Eap	kVAh	U32
20573	0x505D	2	T6 - Eap	kVAh	U32
20575	0x505F	2	T7 - Eap	kVAh	U32
20577	0x5061	2	T8 - Eap	kVAh	U32
20579	0x5063	2	T1 - Er+	varh 10 ³	U32
20581	0x5065	2	T2 - Er+	varh 10 ³	U32
20583	0x5067	2	T3 - Er+	varh 10 ³	U32
20585	0x5069	2	T4 - Er+	varh 10 ³	U32
20587	0x506B	2	T5 - Er+	varh 10 ³	U32
20589	0x506D	2	T6 - Er+	varh 10 ³	U32
20591	0x506F	2	T7 - Er+	varh 10 ³	U32
20593	0x5071	2	T8 - Er+	varh 10 ³	U32

Reset

Tariff Partial Meter Reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20099	0x4E83	Commands	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
20099	0x4E83	1	Partial tariff meters reset 0x003F : All	-	U16_HEX

Load Curves

Load Curves Service Log

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
34912	0x8860	Command	3	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
34912	0x8860	1	Start record number (0 to 65534) or 65535 for last record	-	U16
34913	0x8861	1	Load number: 0 : Load 1	-	U16
34914	0x8862	1	Power type: 0 : P_pos - Positive active power 1 : P_neg - Negative active power 2 : Q_pos - Positive reactive power 3 : Q_neg - Negative reactive power 4 : S - Apparent power	-	U16

Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
34928	0x8870	Header	8	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
34928	0x8870	1	Next record number	-	U16
34929	0x8871	1	Items count (12 per record)	-	U16
34930	0x8872	1	Item size	-	U16
34931	0x8873	1	Load number: 0 : Load 1 1 : Load 2	-	U16

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			2 : Load 3 3 : Load 4		
34932	0x8874	1	Power type: 0 : P_pos - Positive active power (W) 1 : P_neg - Negative active power (W) 2 : Q_pos - Positive reactive power (var) 3 : Q_neg - Negative reactive power (var) 4 : S - Apparent power (VA)	-	U16
34933	0x8875	1	Integration period duration	min	U16
34934	0x8876	1	Numerator rate	-	U16
34935	0x8877	1	Denominator rate	-	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
34936	0x8878	Data	5	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
34936	0x8878	2	Date	s	DATETIME
34938	0x887A	1	Flags: 0 : full integration period and date/time set 1 : incomplete integration period and date/time set 2 : full integration period and date/time not set 3 : incomplete integration period and date/time not set	-	U16
34939	0x887B	2	Point value	-	F32

Load Curves Point Log

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
35072	0x8900	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
35072	0x8900	1	Start record number (0 to 65534) or 65535 for last record	-	U16

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Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
35088	0x8910	Header	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
35088	0x8910	1	Next record number	-	U16
35089	0x8911	1	Items count (2 per record)	-	U16
35090	0x8912	1	Item size	-	U16
35091	0x8913	1	Integration period duration	min	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
35092	0x8914	Data	59	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
35092	0x8914	2	Date	-	DATETIME
35094	0x8916	1	Flags	-	U16
35095	0x8917	2	Power item 1	-	U32
35097	0x8919	2	Power item 2	-	U32
35099	0x891B	2	Power item 3	-	U32
35101	0x891D	2	Power item 4	-	U32
35103	0x891F	2	Power item 5	-	U32
35105	0x8921	2	Reserved	-	-
35107	0x8923	2	Reserved	-	-
35109	0x8925	2	Reserved	-	-
35111	0x8927	2	Reserved	-	-
35113	0x8929	2	Reserved	-	-
35115	0x892B	2	Reserved	-	-
35117	0x892D	2	Reserved	-	-

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35119	0x892F	2	Reserved	-	-
35121	0x8931	2	Reserved	-	-
35123	0x8933	2	Reserved	-	-
35125	0x8935	2	Reserved	-	-
35127	0x8937	2	Reserved	-	-
35129	0x8939	2	Reserved	-	-
35131	0x893B	2	Reserved	-	-
35133	0x893D	2	Reserved	-	-
35135	0x893F	2	Reserved	-	-
35137	0x8941	2	Reserved	-	-
35139	0x8943	2	Reserved	-	-
35141	0x8945	2	Reserved	-	-
35143	0x8947	2	Reserved	-	-
35145	0x8949	2	Reserved	-	-
35147	0x894B	2	Reserved	-	-
35149	0x894D	2	Reserved	-	-

Load Curves Histo

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19968	0x4E00	Info	78	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
19968	0x4E00	1	Load status : 0 : Disabled 1 : Enabled	-	U8
19969	0x4E01	2	Predictive positive active Power : pP+	W	U32
19971	0x4E03	2	Predictive negative active Power : pP-	W	U32
19973	0x4E05	2	Predictive positive reactive Power : pQ+	var	U32
19975	0x4E07	2	Predictive negative reactive Power : pQ-	var	U32
19977	0x4E09	2	Predictive apparent Power : pS	VA	U32
19979	0x4E0B	2	Predictive power countdown	s	U32
19981	0x4E0D	2	Load curve previous : Date (n-1)	-	DATETIME

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19983	0x4E0F	1	Load curve previous : Flag (n-1) 0 : full integration period and date/time set 1 : incomplete integration period and date/time set 2 : full integration period and date/time not set 3 : incomplete integration period and date/time not set	-	U16
19984	0x4E10	2	Load curve previous : P+ (n-1)	W	U32
19986	0x4E12	2	Load curve previous : P- (n-1)	W	U32
19988	0x4E14	2	Load curve previous : Q+ (n-1)	var	U32
19990	0x4E16	2	Load curve previous : Q- (n-1)	var	U32
19992	0x4E18	2	Load curve previous : S (n-1)	VA	U32
19994	0x4E1A	2	Load curve previous : Date (n-2)	-	DATETIME
19996	0x4E1C	1	Load curve previous : Flag (n-2) 0 : full integration period and date/time set 1 : incomplete integration period and date/time set 2 : full integration period and date/time not set 3 : incomplete integration period and date/time not set	-	U16
19997	0x4E1D	2	Load curve previous : P+ (n-2)	W	U32
19999	0x4E1F	2	Load curve previous : P- (n-2)	W	U32
20001	0x4E21	2	Load curve previous : Q+ (n-2)	var	U32
20003	0x4E23	2	Load curve previous : Q- (n-2)	var	U32
20005	0x4E25	2	Load curve previous : S (n-2)	VA	U32
20007	0x4E27	2	Load curve previous : Date (n-3)	-	DATETIME
20009	0x4E29	1	Load curve previous : Flag (n-3) 0 : full integration period and date/time set 1 : incomplete integration period and date/time set 2 : full integration period and date/time not set 3 : incomplete integration period and date/time not set	-	U16
20010	0x4E2A	2	Load curve previous : P+ (n-3)	W	U32
20012	0x4E2C	2	Load curve previous : P- (n-3)	W	U32
20014	0x4E2E	2	Load curve previous : Q+ (n-3)	var	U32
20016	0x4E30	2	Load curve previous : Q- (n-3)	var	U32
20018	0x4E32	2	Load curve previous : S (n-3)	VA	U32
20020	0x4E34	2	Load curve previous : Date (n-4)	-	DATETIME
20022	0x4E36	1	Load curve previous : Flag (n-4) 0 : full integration period and date/time set 1 : incomplete integration period and date/time set	-	U16

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			2 : full integration period and date/time not set 3 : incomplete integration period and date/time not set		
20023	0x4E37	2	Load curve previous : P+ (n-4)	W	U32
20025	0x4E39	2	Load curve previous : P- (n-4)	W	U32
20027	0x4E3B	2	Load curve previous : Q+ (n-4)	var	U32
20029	0x4E3D	2	Load curve previous : Q- (n-4)	var	U32
20031	0x4E3F	2	Load curve previous : S (n-4)	VA	U32
20033	0x4E41	2	Load curve previous : Date (n-5)	-	DATETIME
20035	0x4E43	1	Load curve previous : Flag (n-5) 0 : full integration period and date/time set 1 : incomplete integration period and date/time set 2 : full integration period and date/time not set 3 : incomplete integration period and date/time not set	-	U16
20036	0x4E44	2	Load curve previous : P+ (n-5)	W	U32
20038	0x4E46	2	Load curve previous : P- (n-5)	W	U32
20040	0x4E48	2	Load curve previous : Q+ (n-5)	var	U32
20042	0x4E4A	2	Load curve previous : Q- (n-5)	var	U32
20044	0x4E4C	2	Load curve previous : S (n-5)	VA	U32

Load Curves Settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
34832	0x8810	Settings	28	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
34832	0x8810	1	Integration time for load curve	min	U16
34833	0x8811	1	Load curve top synchro source : 0 : Internal RTC 1 : External input 2 : External communication	-	U16
34834	0x8812	1	Load selected for metrological LED: 0 : Load 1	-	U16
34835	0x8813	1	Energy associated to metrological LED: 0 : Positive active energy Ea+ 1 : Negative active energy Ea-	-	U16

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			2 : Positive reactive energy Er+ 3 : Negative reactive energy Er- 4 : Apparent energy Eap		
34836	0x8814	1	Load curve point data 1 associated load 0 : Load 1 255 : Unused	-	U16
34837	0x8815	1	Load curve point data 1 associated power 0 : P+ 1 : P- 2 : Q+ 3 : Q- 4 : S 5 : Unused	-	U16
34838	0x8816	1	Load curve point data 2 associated load 0 : Load 1 255 : Unused	-	U16
34839	0x8817	1	Load curve point data 2 associated power 0 : P+ 1 : P- 2 : Q+ 3 : Q- 4 : S 5 : Unused	-	U16
34840	0x8818	1	Load curve point data 3 associated load 0 : Load 1 255 : Unused	-	U16
34841	0x8819	1	Load curve point data 3 associated power 0 : P+ 1 : P- 2 : Q+ 3 : Q- 4 : S 5 : Unused	-	U16
34842	0x881A	1	Load curve point data 4 associated load 0 : Load 1 255 : Unused	-	U16
34843	0x881B	1	Load curve point data 4 associated power 0 : P+ 1 : P- 2 : Q+ 3 : Q- 4 : S 5 : Unused	-	U16

34844	0x881C	1	Load curve point data 5 associated load 0 : Load 1 255 : Unused	-	U16
34845	0x881D	1	Load curve point data 5 associated power 0 : P+ 1 : P- 2 : Q+ 3 : Q- 4 : S 5 : Unused	-	U16
34846	0x881E	1	Reserved	-	-
34847	0x881F	1	Reserved	-	-
34848	0x8820	1	Reserved	-	-
34849	0x8821	1	Reserved	-	-
34850	0x8822	1	Reserved	-	-
34851	0x8823	1	Reserved	-	-
34852	0x8824	1	Reserved	-	-
34853	0x8825	1	Reserved	-	-
34854	0x8826	1	Reserved	-	-
34855	0x8827	1	Reserved	-	-
34856	0x8828	1	Reserved	-	-
34857	0x8829	1	Reserved	-	-
34858	0x882A	1	Reserved	-	-
34859	0x882B	1	Reserved	-	-

Load Shedding

Load Shedding Settings						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
43024	0xA810	Settings	5	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
43024	0xA810	1	Status : 0 : Disabled 1 : Enabled	-	U16
43025	0xA811	1	Output : 0 : Output 1 1 : Output 2 255 : Not used	-	U16
43026	0xA812	1	Predictive power type : 0 : P+ 1 : P- 2 : Q+ 3 : Q- 4 : S	-	U16
43027	0xA813	2	Activation threshold (in W, var or VA)	-	U32

Load Shedding Commands State

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
43008	0xA800	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
43008	0xA800	1	Load Shedding command state 0 : Inactive 1 : Active	-	U8

Output Pulse

Output Pulse Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
43264	0xA900	Settings	5	USER	READ	READ WRITE WRITE_MANY

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Dec address	Hex address	Words count	Description	Unit	Data type
43264	0xA900	1	Status : 0 : Disabled 1 : Enabled	-	U16
43265	0xA901	1	Output : 0 : Output 1 1 : Output 2 255 : Not Used	-	U16
43266	0xA902	1	Load selected for output pulse : 0 : Load 1	-	U16
43267	0xA903	1	Energy associated to output pulse : 0 : Positive active energy Ea+ 1 : Negative active energy Ea- 2 : Positive reactive energy Er+ 3 : Negative reactive energy Er- 4 : Apparent energy Eap	-	U16
43268	0xA904	1	Pulse weight : 0 : 0,01 kWh/kvar/kVA 1 : 0,1 kWh/kvar/kVA 2 : 1 kWh/kvar/kVA 3 : 10 kWh/kvar/kVA 4 : 100 kWh/kvar/kVA	-	U16

Output Pulse Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
43269	0xA905	Settings	5	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
43269	0xA905	1	Status : 0 : Disabled 1 : Enabled	-	U16
43270	0xA906	1	Output : 0 : Output 1 1 : Output 2 255 : Not Used	-	U16
43271	0xA907	1	Load selected for output pulse : 0 : Load 1	-	U16

43272	0xA908	1	Energy associated to output pulse : 0 : Positive active energy Ea+ 1 : Negative active energy Ea- 2 : Positive reactive energy Er+ 3 : Negative reactive energy Er- 4 : Apparent energy Eap	-	U16
43273	0xA909	1	Pulse weight : 0 : 0,01 kWh/kvar/kVA 1 : 0,1 kWh/kvar/kVA 2 : 1 kWh/kvar/kVA 3 : 10 kWh/kvar/kVA 4 : 100 kWh/kvar/kVA	-	U16

Top Synchro Report

Load Curves Top Synchro Report Settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
34901	0x8855	Settings	2	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
34901	0x8855	1	Status : 0 : Disabled 1 : Enabled	-	U16
34902	0x8856	1	Output : 0 : Output 1 1 : Output 2 255 : Not used	-	U16

Logical I/O

Logical Input Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11008	0x2B00	Settings	18	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
11008	0x2B00	1	Type 0 : Normally opened 1 : Normally closed	-	U8
11009	0x2B01	1	Time OnOff (only for Pulse Meter)	s 10 ⁻²	U16
11010	0x2B02	16	Name	-	STRING_NORM

Logical Input Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11026	0x2B12	Settings	18	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
11026	0x2B12	1	Type 0 : Normally opened 1 : Normally closed	-	U8
11027	0x2B13	1	Time OnOff (only for Pulse Meter)	s 10 ⁻²	U16
11028	0x2B14	16	Name	-	STRING_NORM

Logical Input Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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11044	0x2B24	Settings	18	USER	READ	READ WRITE WRITE_MANY
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Dec address	Hex address	Words count	Description	Unit	Data type
11044	0x2B24	1	Type 0 : Normally opened 1 : Normally closed	-	U8
11045	0x2B25	1	Time OnOff (only for Pulse Meter)	s 10 ⁻²	U16
11046	0x2B26	16	Name	-	STRING_NORM

Logical Input #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11520	0x2D00	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11520	0x2D00	1	Input function 0 : eFctNone 3 : eFctLogInPulseMeter 4 : eFctLogInAlm 5 : eFctLogInAlmAck 9 : eFctBreaker 10 : eIomFctExtTop 11 : eFctLogInTariff 255 : eFctMultiple	-	U8
11521	0x2D01	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Input #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11522	0x2D02	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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11522	0x2D02	1	Input function 0 : eFctNone 3 : eFctLogInPulseMeter 4 : eFctLogInAlm 5 : eFctLogInAlmAck 9 : eFctBreaker 10 : eIomFctExtTop 11 : eFctLogInTariff 255 : eFctMultiple	-	U8
11523	0x2D03	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Input #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11524	0x2D04	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11524	0x2D04	1	Input function 0 : eFctNone 3 : eFctLogInPulseMeter 4 : eFctLogInAlm 5 : eFctLogInAlmAck 9 : eFctBreaker 10 : eIomFctExtTop 11 : eFctLogInTariff 255 : eFctMultiple	-	U8
11525	0x2D05	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Inputs All

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11248	0x2BF0	Info	7	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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11248	0x2BF0	1	Inputs number	-	U16
11249	0x2BF1	1	Bit x : Input x Available (1)/Not available (0)	-	U16_HEX
11250	0x2BF2	1	Bit x : Input x Activated (1)/Deactivated (0)	-	U16_HEX
11251	0x2BF3	1	Bit x : Input x NC (1)/NO (0)	-	U16_HEX
11252	0x2BF4	1	Input 1 function 0 : eFctNone 3 : eFctLogInPulseMeter 4 : eFctLogInAlm 5 : eFctLogInAlmAck 9 : eFctBreaker 10 : eIomFctExtTop 11 : eFctLogInTariff 255 : eFctMultiple	-	U16
11253	0x2BF5	1	Input 2 function 0 : eFctNone 3 : eFctLogInPulseMeter 4 : eFctLogInAlm 5 : eFctLogInAlmAck 9 : eFctBreaker 10 : eIomFctExtTop 11 : eFctLogInTariff 255 : eFctMultiple	-	U16
11254	0x2BF6	1	Input 3 function 0 : eFctNone 3 : eFctLogInPulseMeter 4 : eFctLogInAlm 5 : eFctLogInAlmAck 9 : eFctBreaker 10 : eIomFctExtTop 11 : eFctLogInTariff 255 : eFctMultiple	-	U16

Logical Output Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11104	0x2B60	Settings	19	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
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11104	0x2B60	1	Type 0 : Normally opened 1 : Normally closed	-	U8
11105	0x2B61	1	Mode 0 : Out Mode State 1 : Out Mode Pulse	-	U8
11106	0x2B62	1	Pulse length	s 10 ⁻³	U16
11107	0x2B63	16	Name	-	STRING_NORM

Logical Output Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11123	0x2B73	Settings	19	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
11123	0x2B73	1	Type 0 : Normally opened 1 : Normally closed	-	U8
11124	0x2B74	1	Mode 0 : Out Mode State 1 : Out Mode Pulse	-	U8
11125	0x2B75	1	Pulse length	s 10 ⁻³	U16
11126	0x2B76	16	Name	-	STRING_NORM

Logical Output #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11600	0x2D50	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11600	0x2D50	1	Output function 0 : eFctNone 6 : eFctOutAlmReport 12 : eFctLoadShedding	-	U8

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			13 : eFctOutEnergyPulse 14 : eFctOutTopSynchroReport 255 : eFctMultiple		
11601	0x2D51	1	Output State 0 : Deactivated 1 : Activated	-	U8

Logical Output #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11616	0x2D60	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11616	0x2D60	1	Output function 0 : eFctNone 6 : eFctOutAlmReport 12 : eFctLoadShedding 13 : eFctOutEnergyPulse 14 : eFctOutTopSynchroReport 255 : eFctMultiple	-	U8
11617	0x2D61	1	Output State 0 : Deactivated 1 : Activated	-	U8

Logical Outputs All

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11280	0x2C10	Settings	8	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
11280	0x2C10	1	Outputs number	-	U16
11281	0x2C11	1	Bit x : Output x Available (1)/Not available (0)	-	U16_HEX
11282	0x2C12	1	Bit x : Output x Activated (1)/Deactivated (0)	-	U16_HEX
11283	0x2C13	1	Bit x : Output x NC (1)/NO (0)	-	U16_HEX
11284	0x2C14	1	Bit x : Output x Cmd Deactivate Yes (1)/No (0)	-	U16_HEX

11285	0x2C15	1	Bit x : Output x Cmd Activate Yes (1)/No (0)	-	U16_HEX
11286	0x2C16	1	Output 1 function 0 : eFctNone 6 : eFctOutAlmReport 12 : eFctLoadShedding 13 : eFctOutEnergyPulse 14 : eFctOutTopSynchroReport 255 : eFctMultiple	-	U16
11287	0x2C17	1	Output 2 function 0 : eFctNone 6 : eFctOutAlmReport 12 : eFctLoadShedding 13 : eFctOutEnergyPulse 14 : eFctOutTopSynchroReport 255 : eFctMultiple	-	U16

Consumption

Indexes Settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38128	0x94F0	Settings	2	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
38128	0x94F0	1	Source 0 : Disabled 1 : Internal RTC 3 : External communication	-	U8
38129	0x94F1	1	IntegrationPeriod	min	U16

Indexes service log

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Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38138	0x94FA	Command	2	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
38138	0x94FA	1	Start record number (0 to 65534) or 65535 for last record	-	U16
38139	0x94FB	1	Item number 0 : Item 1 1 : Item 2 2 : Item 3 3 : Item 4 4 : Item 5 5 : Item 6 6 : Item 7 7 : Item 8 8 : Item 9 9 : Item 10 10 : Item 11 11 : Item 12 12 : Item 13 13 : Item 14 14 : Item 15 15 : Item 16 16 : Item 17 17 : Item 18 18 : Item 19 19 : Item 20	-	U8

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38140	0x94FC	Header	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38140	0x94FC	1	Next record number	-	U16
38141	0x94FD	1	Items count (20 per record)	-	U16
38142	0x94FE	1	Item size	-	U16
38143	0x94FF	1	Integration period duration	min	U16

Data						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37888	0x9400	Data	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37888	0x9400	2	Date	s	DATETIME
37890	0x9402	4	Point value	- / 100	S64

Indexes point log

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38224	0x9550	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
38224	0x9550	1	Start record number (0 to 65534) or 65535 for last record	-	U16

Header						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38240	0x9560	Header	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38240	0x9560	1	Next record number	-	U16
38241	0x9561	1	Items count (2 per record)	-	U16
38242	0x9562	1	Item size	-	U16
38243	0x9563	1	Integration period duration	min	U16

Data						
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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38244	0x9564	Data	34	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38244	0x9564	2	Date	-	DATETIME
38246	0x9566	4	Trend item 1	Wh 10 ⁻²	S64
38250	0x956A	4	Trend item 2	Wh 10 ⁻²	S64
38254	0x956E	4	Trend item 3	varh 10 ⁻²	S64
38258	0x9572	4	Trend item 4	varh 10 ⁻²	S64
38262	0x9576	4	Trend item 5	VAh 10 ⁻²	S64
38266	0x957A	4	Trend item 6	- / 100	S64
38270	0x957E	4	Trend item 7	- / 100	S64
38274	0x9582	4	Trend item 8	- / 100	S64

Alarming

Analog

ALM Ana Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5029	0x13A5	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5029	0x13A5	1	Ack ID	-	U16
5030	0x13A6	1	Status 0 : Inactive 1 : Active	-	U8

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			2 : Finished 3 : FinishedAndAck		
5031	0x13A7	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or	-	U8
5032	0x13A8	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5033	0x13A9	2	Start date	-	DATETIME
5035	0x13AB	2	Duration	s	U32
5037	0x13AD	2	Analog variable (ServiceID)	-	U32
5039	0x13AF	1	Analog variable (Instance index)	-	U16
5040	0x13B0	1	Analog variable (Instance type)	-	U16
5041	0x13B1	1	Startup delay	s / 2	U16
5042	0x13B2	1	Dropout delay	s / 2	U16
5043	0x13B3	1	Hysteresis	% / 10	U16
5044	0x13B4	4	Threshold	-	S64
5048	0x13B8	4	Min/Max	-	S64

ALM Ana Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5053	0x13BD	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5053	0x13BD	1	Ack ID	-	U16
5054	0x13BE	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8

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5055	0x13BF	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or	-	U8
5056	0x13C0	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5057	0x13C1	2	Start date	-	DATETIME
5059	0x13C3	2	Duration	s	U32
5061	0x13C5	2	Analog variable (ServiceID)	-	U32
5063	0x13C7	1	Analog variable (Instance index)	-	U16
5064	0x13C8	1	Analog variable (Instance type)	-	U16
5065	0x13C9	1	Startup delay	s / 2	U16
5066	0x13CA	1	Dropout delay	s / 2	U16
5067	0x13CB	1	Hysteresis	% / 10	U16
5068	0x13CC	4	Threshold	-	S64
5072	0x13D0	4	Min/Max	-	S64

ALM Ana Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5077	0x13D5	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5077	0x13D5	1	Ack ID	-	U16
5078	0x13D6	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5079	0x13D7	1	Alarm cause : 0 : Cause Unknown	-	U8

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			1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or		
5080	0x13D8	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5081	0x13D9	2	Start date	-	DATETIME
5083	0x13DB	2	Duration	s	U32
5085	0x13DD	2	Analog variable (ServiceID)	-	U32
5087	0x13DF	1	Analog variable (Instance index)	-	U16
5088	0x13E0	1	Analog variable (Instance type)	-	U16
5089	0x13E1	1	Startup delay	s / 2	U16
5090	0x13E2	1	Dropout delay	s / 2	U16
5091	0x13E3	1	Hysteresis	% / 10	U16
5092	0x13E4	4	Threshold	-	S64
5096	0x13E8	4	Min/Max	-	S64

ALM Ana Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5101	0x13ED	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5101	0x13ED	1	Ack ID	-	U16
5102	0x13EE	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5103	0x13EF	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And	-	U8

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			3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or		
5104	0x13F0	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5105	0x13F1	2	Start date	-	DATETIME
5107	0x13F3	2	Duration	s	U32
5109	0x13F5	2	Analog variable (ServiceID)	-	U32
5111	0x13F7	1	Analog variable (Instance index)	-	U16
5112	0x13F8	1	Analog variable (Instance type)	-	U16
5113	0x13F9	1	Startup delay	s / 2	U16
5114	0x13FA	1	Dropout delay	s / 2	U16
5115	0x13FB	1	Hysteresis	% / 10	U16
5116	0x13FC	4	Threshold	-	S64
5120	0x1400	4	Min/Max	-	S64

ALM Ana Current Status #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5125	0x1405	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5125	0x1405	1	Ack ID	-	U16
5126	0x1406	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5127	0x1407	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single	-	U8

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			5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or		
5128	0x1408	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5129	0x1409	2	Start date	-	DATETIME
5131	0x140B	2	Duration	s	U32
5133	0x140D	2	Analog variable (ServiceID)	-	U32
5135	0x140F	1	Analog variable (Instance index)	-	U16
5136	0x1410	1	Analog variable (Instance type)	-	U16
5137	0x1411	1	Startup delay	s / 2	U16
5138	0x1412	1	Dropout delay	s / 2	U16
5139	0x1413	1	Hysteresis	% / 10	U16
5140	0x1414	4	Threshold	-	S64
5144	0x1418	4	Min/Max	-	S64

ALM Ana Current Status #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5149	0x141D	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5149	0x141D	1	Ack ID	-	U16
5150	0x141E	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5151	0x141F	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or	-	U8

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5152	0x1420	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5153	0x1421	2	Start date	-	DATETIME
5155	0x1423	2	Duration	s	U32
5157	0x1425	2	Analog variable (ServiceID)	-	U32
5159	0x1427	1	Analog variable (Instance index)	-	U16
5160	0x1428	1	Analog variable (Instance type)	-	U16
5161	0x1429	1	Startup delay	s / 2	U16
5162	0x142A	1	Dropout delay	s / 2	U16
5163	0x142B	1	Hysteresis	% / 10	U16
5164	0x142C	4	Threshold	-	S64
5168	0x1430	4	Min/Max	-	S64

ALM Ana Current Status #7

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5173	0x1435	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5173	0x1435	1	Ack ID	-	U16
5174	0x1436	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5175	0x1437	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or	-	U8
5176	0x1438	1	Criticality : 0 : Information	-	U8

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			1 : Not critical 2 : Critical		
5177	0x1439	2	Start date	-	DATETIME
5179	0x143B	2	Duration	s	U32
5181	0x143D	2	Analog variable (ServiceID)	-	U32
5183	0x143F	1	Analog variable (Instance index)	-	U16
5184	0x1440	1	Analog variable (Instance type)	-	U16
5185	0x1441	1	Startup delay	s / 2	U16
5186	0x1442	1	Dropout delay	s / 2	U16
5187	0x1443	1	Hysteresis	% / 10	U16
5188	0x1444	4	Threshold	-	S64
5192	0x1448	4	Min/Max	-	S64

ALM Ana Current Status #8

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5197	0x144D	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5197	0x144D	1	Ack ID	-	U16
5198	0x144E	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5199	0x144F	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or	-	U8
5200	0x1450	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8

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5201	0x1451	2	Start date	-	DATETIME
5203	0x1453	2	Duration	s	U32
5205	0x1455	2	Analog variable (ServiceID)	-	U32
5207	0x1457	1	Analog variable (Instance index)	-	U16
5208	0x1458	1	Analog variable (Instance type)	-	U16
5209	0x1459	1	Startup delay	s / 2	U16
5210	0x145A	1	Dropout delay	s / 2	U16
5211	0x145B	1	Hysteresis	% / 10	U16
5212	0x145C	4	Threshold	-	S64
5216	0x1460	4	Min/Max	-	S64

ALM Ana Current Status #9

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5221	0x1465	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5221	0x1465	1	Ack ID	-	U16
5222	0x1466	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5223	0x1467	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or	-	U8
5224	0x1468	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5225	0x1469	2	Start date	-	DATETIME

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5227	0x146B	2	Duration	s	U32
5229	0x146D	2	Analog variable (ServiceID)	-	U32
5231	0x146F	1	Analog variable (Instance index)	-	U16
5232	0x1470	1	Analog variable (Instance type)	-	U16
5233	0x1471	1	Startup delay	s / 2	U16
5234	0x1472	1	Dropout delay	s / 2	U16
5235	0x1473	1	Hysteresis	% / 10	U16
5236	0x1474	4	Threshold	-	S64
5240	0x1478	4	Min/Max	-	S64

ALM Ana Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4368	0x1110	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4368	0x1110	1	Status : 0 : Disabled 1 : Enabled	-	U8
4369	0x1111	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4370	0x1112	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4371	0x1113	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
4372	0x1114	1	Output for report 0 : Output 1	-	U8

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			1 : Output 2 255 : Not used		
4373	0x1115	2	Analog variable (ServiceID)	-	U32
4375	0x1117	1	Analog variable (Instance index)	-	U16
4376	0x1118	1	Analog variable (Instance type)	-	U16
4377	0x1119	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4378	0x111A	2	High threshold	-	S32
4380	0x111C	2	Low threshold	-	S32
4382	0x111E	1	Hysteresis	% / 10	U16
4383	0x111F	1	Startup delay	s / 2	U16
4384	0x1120	1	Dropout delay	s / 2	U16
4385	0x1121	16	Name	-	STRING_NORM

ALM Ana Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fets	Unlocked fets
4401	0x1131	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4401	0x1131	1	Status : 0 : Disabled 1 : Enabled	-	U8
4402	0x1132	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4403	0x1133	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4404	0x1134	1	Input for ack 0 : Input 1	-	U8

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			1 : Input 2 2 : Input 3 255 : Not used		
4405	0x1135	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4406	0x1136	2	Analog variable (ServiceID)	-	U32
4408	0x1138	1	Analog variable (Instance index)	-	U16
4409	0x1139	1	Analog variable (Instance type)	-	U16
4410	0x113A	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4411	0x113B	2	High threshold	-	S32
4413	0x113D	2	Low threshold	-	S32
4415	0x113F	1	Hysteresis	% / 10	U16
4416	0x1140	1	Startup delay	s / 2	U16
4417	0x1141	1	Dropout delay	s / 2	U16
4418	0x1142	16	Name	-	STRING_NORM

ALM Ana Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4434	0x1152	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4434	0x1152	1	Status : 0 : Disabled 1 : Enabled	-	U8
4435	0x1153	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8

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4436	0x1154	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4437	0x1155	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
4438	0x1156	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4439	0x1157	2	Analog variable (ServiceID)	-	U32
4441	0x1159	1	Analog variable (Instance index)	-	U16
4442	0x115A	1	Analog variable (Instance type)	-	U16
4443	0x115B	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4444	0x115C	2	High threshold	-	S32
4446	0x115E	2	Low threshold	-	S32
4448	0x1160	1	Hysteresis	% / 10	U16
4449	0x1161	1	Startup delay	s / 2	U16
4450	0x1162	1	Dropout delay	s / 2	U16
4451	0x1163	16	Name	-	STRING_NORM

ALM Ana Settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4467	0x1173	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
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4467	0x1173	1	Status : 0 : Disabled 1 : Enabled	-	U8
4468	0x1174	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4469	0x1175	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4470	0x1176	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
4471	0x1177	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4472	0x1178	2	Analog variable (ServiceID)	-	U32
4474	0x117A	1	Analog variable (Instance index)	-	U16
4475	0x117B	1	Analog variable (Instance type)	-	U16
4476	0x117C	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4477	0x117D	2	High threshold	-	S32
4479	0x117F	2	Low threshold	-	S32
4481	0x1181	1	Hysteresis	% / 10	U16
4482	0x1182	1	Startup delay	s / 2	U16
4483	0x1183	1	Dropout delay	s / 2	U16
4484	0x1184	16	Name	-	STRING_NORM

ALM Ana Settings #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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4500	0x1194	Settings	33	USER	READ	READ WRITE WRITE_MANY
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Dec address	Hex address	Words count	Description	Unit	Data type
4500	0x1194	1	Status : 0 : Disabled 1 : Enabled	-	U8
4501	0x1195	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4502	0x1196	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4503	0x1197	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
4504	0x1198	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4505	0x1199	2	Analog variable (ServiceID)	-	U32
4507	0x119B	1	Analog variable (Instance index)	-	U16
4508	0x119C	1	Analog variable (Instance type)	-	U16
4509	0x119D	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4510	0x119E	2	High threshold	-	S32
4512	0x11A0	2	Low threshold	-	S32
4514	0x11A2	1	Hysteresis	% / 10	U16
4515	0x11A3	1	Startup delay	s / 2	U16
4516	0x11A4	1	Dropout delay	s / 2	U16
4517	0x11A5	16	Name	-	STRING_NORM

ALM Ana Settings #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4533	0x11B5	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4533	0x11B5	1	Status : 0 : Disabled 1 : Enabled	-	U8
4534	0x11B6	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4535	0x11B7	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4536	0x11B8	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
4537	0x11B9	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4538	0x11BA	2	Analog variable (ServiceID)	-	U32
4540	0x11BC	1	Analog variable (Instance index)	-	U16
4541	0x11BD	1	Analog variable (Instance type)	-	U16
4542	0x11BE	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4543	0x11BF	2	High threshold	-	S32
4545	0x11C1	2	Low threshold	-	S32
4547	0x11C3	1	Hysteresis	% / 10	U16

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4548	0x11C4	1	Startup delay	s / 2	U16
4549	0x11C5	1	Dropout delay	s / 2	U16
4550	0x11C6	16	Name	-	STRING_NORM

ALM Ana Settings #7

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4566	0x11D6	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4566	0x11D6	1	Status : 0 : Disabled 1 : Enabled	-	U8
4567	0x11D7	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4568	0x11D8	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4569	0x11D9	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
4570	0x11DA	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4571	0x11DB	2	Analog variable (ServiceID)	-	U32
4573	0x11DD	1	Analog variable (Instance index)	-	U16
4574	0x11DE	1	Analog variable (Instance type)	-	U16
4575	0x11DF	1	Variable data access : 0 : Single	-	U8

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			1 : Triple (logical AND) 2 : Triple (logical OR)		
4576	0x11E0	2	High threshold	-	S32
4578	0x11E2	2	Low threshold	-	S32
4580	0x11E4	1	Hysteresis	% / 10	U16
4581	0x11E5	1	Startup delay	s / 2	U16
4582	0x11E6	1	Dropout delay	s / 2	U16
4583	0x11E7	16	Name	-	STRING_NORM

ALM Ana Settings #8

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4599	0x11F7	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4599	0x11F7	1	Status : 0 : Disabled 1 : Enabled	-	U8
4600	0x11F8	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4601	0x11F9	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4602	0x11FA	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
4603	0x11FB	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4604	0x11FC	2	Analog variable (ServiceID)	-	U32

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4606	0x11FE	1	Analog variable (Instance index)	-	U16
4607	0x11FF	1	Analog variable (Instance type)	-	U16
4608	0x1200	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4609	0x1201	2	High threshold	-	S32
4611	0x1203	2	Low threshold	-	S32
4613	0x1205	1	Hysteresis	% / 10	U16
4614	0x1206	1	Startup delay	s / 2	U16
4615	0x1207	1	Dropout delay	s / 2	U16
4616	0x1208	16	Name	-	STRING_NORM

ALM Ana Settings #9

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4632	0x1218	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4632	0x1218	1	Status : 0 : Disabled 1 : Enabled	-	U8
4633	0x1219	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
4634	0x121A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4635	0x121B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8

4636	0x121C	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
4637	0x121D	2	Analog variable (ServiceID)	-	U32
4639	0x121F	1	Analog variable (Instance index)	-	U16
4640	0x1220	1	Analog variable (Instance type)	-	U16
4641	0x1221	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR)	-	U8
4642	0x1222	2	High threshold	-	S32
4644	0x1224	2	Low threshold	-	S32
4646	0x1226	1	Hysteresis	% / 10	U16
4647	0x1227	1	Startup delay	s / 2	U16
4648	0x1228	1	Dropout delay	s / 2	U16
4649	0x1229	16	Name	-	STRING_NORM

Logical

ALM Log Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5456	0x1550	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5456	0x1550	1	Ack ID	-	U16
5457	0x1551	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8

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5458	0x1552	1	Alarm cause : 0 : Cause Unknown 7 : Logical Active	-	U8
5459	0x1553	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5460	0x1554	2	Start date	-	DATETIME
5462	0x1556	2	Duration	s	U32
5464	0x1558	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5465	0x1559	1	Startup delay	s / 2	U16
5466	0x155A	1	Dropout delay	s / 2	U16

ALM Log Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5467	0x155B	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5467	0x155B	1	Ack ID	-	U16
5468	0x155C	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5469	0x155D	1	Alarm cause : 0 : Cause Unknown 7 : Logical Active	-	U8
5470	0x155E	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5471	0x155F	2	Start date	-	DATETIME
5473	0x1561	2	Duration	s	U32

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5475	0x1563	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5476	0x1564	1	Startup delay	s / 2	U16
5477	0x1565	1	Dropout delay	s / 2	U16

ALM Log Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5478	0x1566	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5478	0x1566	1	Ack ID	-	U16
5479	0x1567	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5480	0x1568	1	Alarm cause : 0 : Cause Unknown 7 : Logical Active	-	U8
5481	0x1569	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5482	0x156A	2	Start date	-	DATETIME
5484	0x156C	2	Duration	s	U32
5486	0x156E	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5487	0x156F	1	Startup delay	s / 2	U16
5488	0x1570	1	Dropout delay	s / 2	U16

ALM Log Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5632	0x1600	Settings	24	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
5632	0x1600	1	Status : 0 : Disabled 1 : Enabled	-	U8
5633	0x1601	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5634	0x1602	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
5635	0x1603	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5636	0x1604	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
5637	0x1605	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5638	0x1606	1	Startup delay	s / 2	U16
5639	0x1607	1	Dropout delay	s / 2	U16
5640	0x1608	16	Name	-	STRING_NORM

ALM Log Settings #2

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5656	0x1618	Settings	24	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
5656	0x1618	1	Status : 0 : Disabled 1 : Enabled	-	U8
5657	0x1619	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5658	0x161A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
5659	0x161B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5660	0x161C	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
5661	0x161D	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5662	0x161E	1	Startup delay	s / 2	U16
5663	0x161F	1	Dropout delay	s / 2	U16
5664	0x1620	16	Name	-	STRING_NORM

ALM Log Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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5680	0x1630	Settings	24	USER	READ	READ WRITE WRITE_MANY
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Dec address	Hex address	Words count	Description	Unit	Data type
5680	0x1630	1	Status : 0 : Disabled 1 : Enabled	-	U8
5681	0x1631	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5682	0x1632	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
5683	0x1633	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5684	0x1634	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
5685	0x1635	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
5686	0x1636	1	Startup delay	s / 2	U16
5687	0x1637	1	Dropout delay	s / 2	U16
5688	0x1638	16	Name	-	STRING_NORM

Combination

ALM Comb Current Status #1						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5888	0x1700	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5888	0x1700	1	Ack ID	-	U16
5889	0x1701	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5890	0x1702	1	Alarm cause : 0 : Cause Unknown 8 : Combi. And 9 : Combi. Or	-	U8
5891	0x1703	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5892	0x1704	2	Start date	-	DATETIME
5894	0x1706	2	Duration	s	U32
5896	0x1708	1	Alarm 1	-	U16_HEX
5897	0x1709	1	Alarm 2	-	U16_HEX
5898	0x170A	1	Alarm src 0 : AND 1 : OR (Alarm 1) 2 : OR (Alarm 2)	-	U16

ALM Comb Current Status #2						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5899	0x170B	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5899	0x170B	1	Ack ID	-	U16

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5900	0x170C	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5901	0x170D	1	Alarm cause : 0 : Cause Unknown 8 : Combi. And 9 : Combi. Or	-	U8
5902	0x170E	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5903	0x170F	2	Start date	-	DATETIME
5905	0x1711	2	Duration	s	U32
5907	0x1713	1	Alarm 1	-	U16_HEX
5908	0x1714	1	Alarm 2	-	U16_HEX
5909	0x1715	1	Alarm src 0 : AND 1 : OR (Alarm 1) 2 : OR (Alarm 2)	-	U16

ALM Comb Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5910	0x1716	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5910	0x1716	1	Ack ID	-	U16
5911	0x1717	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5912	0x1718	1	Alarm cause : 0 : Cause Unknown 8 : Combi. And 9 : Combi. Or	-	U8

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5913	0x1719	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5914	0x171A	2	Start date	-	DATETIME
5916	0x171C	2	Duration	s	U32
5918	0x171E	1	Alarm 1	-	U16_HEX
5919	0x171F	1	Alarm 2	-	U16_HEX
5920	0x1720	1	Alarm src 0 : AND 1 : OR (Alarm 1) 2 : OR (Alarm 2)	-	U16

ALM Comb Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5921	0x1721	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5921	0x1721	1	Ack ID	-	U16
5922	0x1722	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5923	0x1723	1	Alarm cause : 0 : Cause Unknown 8 : Combi. And 9 : Combi. Or	-	U8
5924	0x1724	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
5925	0x1725	2	Start date	-	DATETIME
5927	0x1727	2	Duration	s	U32
5929	0x1729	1	Alarm 1	-	U16_HEX
5930	0x172A	1	Alarm 2	-	U16_HEX

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5931	0x172B	1	Alarm src 0 : AND 1 : OR (Alarm 1) 2 : OR (Alarm 2)	-	U16
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ALM Comb Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6144	0x1800	Settings	26	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6144	0x1800	1	Status 0 : Disabled 1 : Enabled	-	U8
6145	0x1801	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
6146	0x1802	1	Acknowledgement method 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6147	0x1803	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6148	0x1804	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6149	0x1805	1	Alarm 1 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6150	0x1806	1	Alarm 1 (index)	-	U16

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6151	0x1807	1	Alarm 2 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6152	0x1808	1	Alarm 2 (index)	-	U16
6153	0x1809	1	Operation 0 : AND 1 : OR	-	U8
6154	0x180A	16	Name	-	STRING_NORM

ALM Comb Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6170	0x181A	Settings	26	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6170	0x181A	1	Status 0 : Disabled 1 : Enabled	-	U8
6171	0x181B	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
6172	0x181C	1	Acknowledgement method 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6173	0x181D	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6174	0x181E	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8

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6175	0x181F	1	Alarm 1 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6176	0x1820	1	Alarm 1 (index)	-	U16
6177	0x1821	1	Alarm 2 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6178	0x1822	1	Alarm 2 (index)	-	U16
6179	0x1823	1	Operation 0 : AND 1 : OR	-	U8
6180	0x1824	16	Name	-	STRING_NORM

ALM Comb Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6196	0x1834	Settings	26	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6196	0x1834	1	Status 0 : Disabled 1 : Enabled	-	U8
6197	0x1835	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
6198	0x1836	1	Acknowledgement method 0 : None 1 : MODBUS only 2 : Logical input	-	U8

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6199	0x1837	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6200	0x1838	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6201	0x1839	1	Alarm 1 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6202	0x183A	1	Alarm 1 (index)	-	U16
6203	0x183B	1	Alarm 2 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6204	0x183C	1	Alarm 2 (index)	-	U16
6205	0x183D	1	Operation 0 : AND 1 : OR	-	U8
6206	0x183E	16	Name	-	STRING_NORM

ALM Comb Settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6222	0x184E	Settings	26	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6222	0x184E	1	Status 0 : Disabled 1 : Enabled	-	U8

6223	0x184F	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
6224	0x1850	1	Acknowledgement method 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6225	0x1851	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6226	0x1852	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6227	0x1853	1	Alarm 1 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6228	0x1854	1	Alarm 1 (index)	-	U16
6229	0x1855	1	Alarm 2 (type) 0 : Analog 1 : Logical 2 : Combi 3 : EN50160 4 : Inrush	-	U8
6230	0x1856	1	Alarm 2 (index)	-	U16
6231	0x1857	1	Operation 0 : AND 1 : OR	-	U8
6232	0x1858	16	Name	-	STRING_NORM

ALM Inrush Current Status						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38688	0x9720	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38688	0x9720	1	Ack ID	-	U16
38689	0x9721	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
38690	0x9722	1	Alarm cause : 0 : Cause Unknown 11 : Inrush Active	-	U8
38691	0x9723	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
38692	0x9724	2	Start date	-	DATETIME
38694	0x9726	2	Duration	s	U32
38696	0x9728	1	Load 0 : Load 1 255 : Unknown	-	U8
38697	0x9729	1	Startup delay	s / 2	U16
38698	0x972A	1	Dropout delay	s / 2	U16

ALM Inrush Settings						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38420	0x9614	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
38420	0x9614	1	Status : 0 : Disabled 1 : Enabled	-	U8

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38421	0x9615	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
38422	0x9616	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
38423	0x9617	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
38424	0x9618	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
38425	0x9619	1	Load 0 : Load 1 255 : Unknown	-	U8
38426	0x961A	1	Startup delay	s / 2	U16
38427	0x961B	1	Dropout delay	s / 2	U16

EN50160

ALM EN50160 Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38752	0x9760	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38752	0x9760	1	Ack ID	-	U16
38753	0x9761	1	Status : 0 : Inactive 1 : Active	-	U8

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			2 : Finished 3 : FinishedAndAck		
38754	0x9762	1	Alarm cause : 0 : Cause Unknown 10 : EN50160 Active	-	U8
38755	0x9763	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
38756	0x9764	2	Start date	-	DATETIME
38758	0x9766	2	Duration	s	U32
38760	0x9768	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Inter	-	U8
38761	0x9769	1	Startup delay	s / 2	U16
38762	0x976A	1	Dropout delay	s / 2	U16

ALM EN50160 Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38768	0x9770	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38768	0x9770	1	Ack ID	-	U16
38769	0x9771	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
38770	0x9772	1	Alarm cause : 0 : Cause Unknown 10 : EN50160 Active	-	U8
38771	0x9773	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8

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38772	0x9774	2	Start date	-	DATETIME
38774	0x9776	2	Duration	s	U32
38776	0x9778	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Inter	-	U8
38777	0x9779	1	Startup delay	s / 2	U16
38778	0x977A	1	Dropout delay	s / 2	U16

ALM EN50160 Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38784	0x9780	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
38784	0x9780	1	Ack ID	-	U16
38785	0x9781	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
38786	0x9782	1	Alarm cause : 0 : Cause Unknown 10 : EN50160 Active	-	U8
38787	0x9783	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
38788	0x9784	2	Start date	-	DATETIME
38790	0x9786	2	Duration	s	U32
38792	0x9788	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Inter	-	U8
38793	0x9789	1	Startup delay	s / 2	U16

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38794	0x978A	1	Dropout delay	s / 2	U16
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ALM EN50160 Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38460	0x963C	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
38460	0x963C	1	Status : 0 : Disabled 1 : Enabled	-	U8
38461	0x963D	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
38462	0x963E	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
38463	0x963F	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
38464	0x9640	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
38465	0x9641	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Inter	-	U8
38466	0x9642	1	Startup delay	s / 2	U16
38467	0x9643	1	Dropout delay	s / 2	U16

ALM EN50160 Settings #2

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38470	0x9646	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
38470	0x9646	1	Status : 0 : Disabled 1 : Enabled	-	U8
38471	0x9647	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
38472	0x9648	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
38473	0x9649	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
38474	0x964A	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
38475	0x964B	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Inter	-	U8
38476	0x964C	1	Startup delay	s / 2	U16
38477	0x964D	1	Dropout delay	s / 2	U16

ALM EN50160 Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
38480	0x9650	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
38480	0x9650	1	Status : 0 : Disabled 1 : Enabled	-	U8
38481	0x9651	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
38482	0x9652	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
38483	0x9653	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
38484	0x9654	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
38485	0x9655	1	Event type 0 : Unknown 1 : Swell 2 : Dip 3 : Inter	-	U8
38486	0x9656	1	Startup delay	s / 2	U16
38487	0x9657	1	Dropout delay	s / 2	U16

Protection

ALM Protection Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3952	0x0F70	Info	17	NONE	READ	READ

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Dec address	Hex address	Words count	Description	Unit	Data type
3952	0x0F70	1	Ack ID	-	U16
3953	0x0F71	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
3954	0x0F72	1	Alarm cause 0 : Cause Unknown 15 : Equality 16 : Non-equality	-	U8
3955	0x0F73	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
3956	0x0F74	2	Start date	-	DATETIME
3958	0x0F76	2	Duration	-	U32
3960	0x0F78	2	Boolean variable (ServiceID)	-	U32
3962	0x0F7A	1	Boolean variable (Instance index)	-	U16
3963	0x0F7B	1	Startup delay	s / 2	U16
3964	0x0F7C	1	Dropout delay	s / 2	U16
3965	0x0F7D	4	Operand value achieved	-	S64

ALM Protection Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3969	0x0F81	Info	17	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3969	0x0F81	1	Ack ID	-	U16
3970	0x0F82	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8

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3971	0x0F83	1	Alarm cause 0 : Cause Unknown 15 : Equality 16 : Non-equality	-	U8
3972	0x0F84	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
3973	0x0F85	2	Start date	-	DATETIME
3975	0x0F87	2	Duration	-	U32
3977	0x0F89	2	Boolean variable (ServiceID)	-	U32
3979	0x0F8B	1	Boolean variable (Instance index)	-	U16
3980	0x0F8C	1	Startup delay	s / 2	U16
3981	0x0F8D	1	Dropout delay	s / 2	U16
3982	0x0F8E	4	Operand value achieved	-	S64

ALM Protection Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3986	0x0F92	Info	17	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3986	0x0F92	1	Ack ID	-	U16
3987	0x0F93	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
3988	0x0F94	1	Alarm cause 0 : Cause Unknown 15 : Equality 16 : Non-equality	-	U8
3989	0x0F95	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
3990	0x0F96	2	Start date	-	DATETIME

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3992	0x0F98	2	Duration	-	U32
3994	0x0F9A	2	Boolean variable (ServiceID)	-	U32
3996	0x0F9C	1	Boolean variable (Instance index)	-	U16
3997	0x0F9D	1	Startup delay	s / 2	U16
3998	0x0F9E	1	Dropout delay	s / 2	U16
3999	0x0F9F	4	Operand value achieved	-	S64

ALM Protection Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4003	0x0FA3	Info	17	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
4003	0x0FA3	1	Ack ID	-	U16
4004	0x0FA4	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
4005	0x0FA5	1	Alarm cause 0 : Cause Unknown 15 : Equality 16 : Non-equality	-	U8
4006	0x0FA6	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4007	0x0FA7	2	Start date	-	DATETIME
4009	0x0FA9	2	Duration	-	U32
4011	0x0FAB	2	Boolean variable (ServiceID)	-	U32
4013	0x0FAD	1	Boolean variable (Instance index)	-	U16
4014	0x0FAE	1	Startup delay	s / 2	U16
4015	0x0FAF	1	Dropout delay	s / 2	U16
4016	0x0FB0	4	Operand value achieved	-	S64

ALM Protection Current Status #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4020	0x0FB4	Info	17	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
4020	0x0FB4	1	Ack ID	-	U16
4021	0x0FB5	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
4022	0x0FB6	1	Alarm cause 0 : Cause Unknown 15 : Equality 16 : Non-equality	-	U8
4023	0x0FB7	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4024	0x0FB8	2	Start date	-	DATETIME
4026	0x0FBA	2	Duration	-	U32
4028	0x0FBC	2	Boolean variable (ServiceID)	-	U32
4030	0x0FBE	1	Boolean variable (Instance index)	-	U16
4031	0x0FBF	1	Startup delay	s / 2	U16
4032	0x0FC0	1	Dropout delay	s / 2	U16
4033	0x0FC1	4	Operand value achieved	-	S64

ALM Protection Current Status #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4037	0x0FC5	Info	17	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
4037	0x0FC5	1	Ack ID	-	U16

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4038	0x0FC6	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
4039	0x0FC7	1	Alarm cause 0 : Cause Unknown 15 : Equality 16 : Non-equality	-	U8
4040	0x0FC8	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4041	0x0FC9	2	Start date	-	DATETIME
4043	0x0FCB	2	Duration	-	U32
4045	0x0FCD	2	Boolean variable (ServiceID)	-	U32
4047	0x0FCF	1	Boolean variable (Instance index)	-	U16
4048	0x0FD0	1	Startup delay	s / 2	U16
4049	0x0FD1	1	Dropout delay	s / 2	U16
4050	0x0FD2	4	Operand value achieved	-	S64

ALM Protection Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4096	0x1000	Settings	31	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4096	0x1000	1	Status 0 : Disabled 1 : Enabled	-	U8
4097	0x1001	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4098	0x1002	1	Acknowledgement method 0 : None	-	U8

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			1 : MODBUS only 2 : Logical input		
4099	0x1003	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U16
4100	0x1004	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U16
4101	0x1005	2	Variable (ServiceID)	-	U32
4103	0x1007	1	Variable (Instance index)	-	U16
4104	0x1008	4	Operand (used for comparison with Var.)	-	S64
4108	0x100C	1	Operation 0 : Equality 1 : Non-equality	-	U16
4109	0x100D	1	Startup delay	s / 2	U16
4110	0x100E	1	Dropout delay	s / 2	U16
4111	0x100F	16	Name	-	STRING_NORM

ALM Protection Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4127	0x101F	Settings	31	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4127	0x101F	1	Status 0 : Disabled 1 : Enabled	-	U8
4128	0x1020	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4129	0x1021	1	Acknowledgement method 0 : None	-	U8

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			1 : MODBUS only 2 : Logical input		
4130	0x1022	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U16
4131	0x1023	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U16
4132	0x1024	2	Variable (ServiceID)	-	U32
4134	0x1026	1	Variable (Instance index)	-	U16
4135	0x1027	4	Operand (used for comparison with Var.)	-	S64
4139	0x102B	1	Operation 0 : Equality 1 : Non-equality	-	U16
4140	0x102C	1	Startup delay	s / 2	U16
4141	0x102D	1	Dropout delay	s / 2	U16
4142	0x102E	16	Name	-	STRING_NORM

ALM Protection Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4158	0x103E	Settings	31	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4158	0x103E	1	Status 0 : Disabled 1 : Enabled	-	U8
4159	0x103F	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4160	0x1040	1	Acknowledgement method 0 : None	-	U8

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			1 : MODBUS only 2 : Logical input		
4161	0x1041	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U16
4162	0x1042	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U16
4163	0x1043	2	Variable (ServiceID)	-	U32
4165	0x1045	1	Variable (Instance index)	-	U16
4166	0x1046	4	Operand (used for comparison with Var.)	-	S64
4170	0x104A	1	Operation 0 : Equality 1 : Non-equality	-	U16
4171	0x104B	1	Startup delay	s / 2	U16
4172	0x104C	1	Dropout delay	s / 2	U16
4173	0x104D	16	Name	-	STRING_NORM

ALM Protection Settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4189	0x105D	Settings	31	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4189	0x105D	1	Status 0 : Disabled 1 : Enabled	-	U8
4190	0x105E	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4191	0x105F	1	Acknowledgement method 0 : None	-	U8

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			1 : MODBUS only 2 : Logical input		
4192	0x1060	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U16
4193	0x1061	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U16
4194	0x1062	2	Variable (ServiceID)	-	U32
4196	0x1064	1	Variable (Instance index)	-	U16
4197	0x1065	4	Operand (used for comparison with Var.)	-	S64
4201	0x1069	1	Operation 0 : Equality 1 : Non-equality	-	U16
4202	0x106A	1	Startup delay	s / 2	U16
4203	0x106B	1	Dropout delay	s / 2	U16
4204	0x106C	16	Name	-	STRING_NORM

ALM Protection Settings #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4220	0x107C	Settings	31	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4220	0x107C	1	Status 0 : Disabled 1 : Enabled	-	U8
4221	0x107D	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4222	0x107E	1	Acknowledgement method 0 : None	-	U8

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			1 : MODBUS only 2 : Logical input		
4223	0x107F	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U16
4224	0x1080	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U16
4225	0x1081	2	Variable (ServiceID)	-	U32
4227	0x1083	1	Variable (Instance index)	-	U16
4228	0x1084	4	Operand (used for comparison with Var.)	-	S64
4232	0x1088	1	Operation 0 : Equality 1 : Non-equality	-	U16
4233	0x1089	1	Startup delay	s / 2	U16
4234	0x108A	1	Dropout delay	s / 2	U16
4235	0x108B	16	Name	-	STRING_NORM

ALM Protection Settings #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4251	0x109B	Settings	31	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4251	0x109B	1	Status 0 : Disabled 1 : Enabled	-	U8
4252	0x109C	1	Criticality 0 : Information 1 : Not critical 2 : Critical	-	U8
4253	0x109D	1	Acknowledgement method 0 : None	-	U8

			1 : MODBUS only 2 : Logical input		
4254	0x109E	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U16
4255	0x109F	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U16
4256	0x10A0	2	Variable (ServiceID)	-	U32
4258	0x10A2	1	Variable (Instance index)	-	U16
4259	0x10A3	4	Operand (used for comparaisn with Var.)	-	S64
4263	0x10A7	1	Operation 0 : Equality 1 : Non-equality	-	U16
4264	0x10A8	1	Startup delay	s / 2	U16
4265	0x10A9	1	Dropout delay	s / 2	U16
4266	0x10AA	16	Name	-	STRING_NORM

System

ALM Sys Current Status #1						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6400	0x1900	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6400	0x1900	1	Ack ID	-	U16
6401	0x1901	1	Status : 0 : Inactive 1 : Active	-	U8

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			2 : Finished 3 : FinishedAndAck		
6402	0x1902	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over SNTTP 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6403	0x1903	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6404	0x1904	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6405	0x1905	2	Start date	-	DATETIME
6407	0x1907	2	Duration	s	U32
6409	0x1909	1	Startup delay	s / 2	U16
6410	0x190A	1	Dropout delay	s / 2	U16
6411	0x190B	2	SpeData 1	-	U32
6413	0x190D	1	SpeData 5	-	U16
6414	0x190E	1	SpeData 6	-	U16
6415	0x190F	4	SpeData 7	-	S64
6419	0x1913	4	SpeData 8	-	S64

ALM Sys Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6423	0x1917	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6423	0x1917	1	Ack ID	-	U16

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6424	0x1918	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6425	0x1919	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over SNTP 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6426	0x191A	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6427	0x191B	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6428	0x191C	2	Start date	-	DATETIME
6430	0x191E	2	Duration	s	U32
6432	0x1920	1	Startup delay	s / 2	U16
6433	0x1921	1	Dropout delay	s / 2	U16
6434	0x1922	2	SpeData 1	-	U32
6436	0x1924	1	SpeData 5	-	U16
6437	0x1925	1	SpeData 6	-	U16
6438	0x1926	4	SpeData 7	-	S64
6442	0x192A	4	SpeData 8	-	S64

ALM Sys Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6446	0x192E	Info	23	NONE	READ	READ

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Dec address	Hex address	Words count	Description	Unit	Data type
6446	0x192E	1	Ack ID	-	U16
6447	0x192F	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6448	0x1930	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6449	0x1931	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6450	0x1932	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6451	0x1933	2	Start date	-	DATETIME
6453	0x1935	2	Duration	s	U32
6455	0x1937	1	Startup delay	s / 2	U16
6456	0x1938	1	Dropout delay	s / 2	U16
6457	0x1939	2	SpeData 1	-	U32
6459	0x193B	1	SpeData 5	-	U16
6460	0x193C	1	SpeData 6	-	U16
6461	0x193D	4	SpeData 7	-	S64
6465	0x1941	4	SpeData 8	-	S64

ALM Sys Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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6469	0x1945	Info	23	NONE	READ	READ
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Dec address	Hex address	Words count	Description	Unit	Data type
6469	0x1945	1	Ack ID	-	U16
6470	0x1946	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6471	0x1947	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6472	0x1948	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6473	0x1949	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6474	0x194A	2	Start date	-	DATETIME
6476	0x194C	2	Duration	s	U32
6478	0x194E	1	Startup delay	s / 2	U16
6479	0x194F	1	Dropout delay	s / 2	U16
6480	0x1950	2	SpeData 1	-	U32
6482	0x1952	1	SpeData 5	-	U16
6483	0x1953	1	SpeData 6	-	U16
6484	0x1954	4	SpeData 7	-	S64
6488	0x1958	4	SpeData 8	-	S64

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6492	0x195C	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6492	0x195C	1	Ack ID	-	U16
6493	0x195D	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6494	0x195E	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6495	0x195F	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6496	0x1960	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6497	0x1961	2	Start date	-	DATETIME
6499	0x1963	2	Duration	s	U32
6501	0x1965	1	Startup delay	s / 2	U16
6502	0x1966	1	Dropout delay	s / 2	U16
6503	0x1967	2	SpeData 1	-	U32
6505	0x1969	1	SpeData 5	-	U16
6506	0x196A	1	SpeData 6	-	U16
6507	0x196B	4	SpeData 7	-	S64
6511	0x196F	4	SpeData 8	-	S64

ALM Sys Current Status #6						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6515	0x1973	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6515	0x1973	1	Ack ID	-	U16
6516	0x1974	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6517	0x1975	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6518	0x1976	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6519	0x1977	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6520	0x1978	2	Start date	-	DATETIME
6522	0x197A	2	Duration	s	U32
6524	0x197C	1	Startup delay	s / 2	U16
6525	0x197D	1	Dropout delay	s / 2	U16
6526	0x197E	2	SpeData 1	-	U32
6528	0x1980	1	SpeData 5	-	U16
6529	0x1981	1	SpeData 6	-	U16

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6530	0x1982	4	SpeData 7	-	S64
6534	0x1986	4	SpeData 8	-	S64

ALM Sys Current Status #7

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6538	0x198A	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6538	0x198A	1	Ack ID	-	U16
6539	0x198B	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6540	0x198C	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6541	0x198D	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6542	0x198E	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6543	0x198F	2	Start date	-	DATETIME
6545	0x1991	2	Duration	s	U32
6547	0x1993	1	Startup delay	s / 2	U16
6548	0x1994	1	Dropout delay	s / 2	U16
6549	0x1995	2	SpeData 1	-	U32

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6551	0x1997	1	SpeData 5	-	U16
6552	0x1998	1	SpeData 6	-	U16
6553	0x1999	4	SpeData 7	-	S64
6557	0x199D	4	SpeData 8	-	S64

ALM Sys Current Status #8

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6561	0x19A1	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6561	0x19A1	1	Ack ID	-	U16
6562	0x19A2	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6563	0x19A3	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over SNTTP 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6564	0x19A4	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6565	0x19A5	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6566	0x19A6	2	Start date	-	DATETIME
6568	0x19A8	2	Duration	s	U32
6570	0x19AA	1	Startup delay	s / 2	U16

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6571	0x19AB	1	Dropout delay	s / 2	U16
6572	0x19AC	2	SpeData 1	-	U32
6574	0x19AE	1	SpeData 5	-	U16
6575	0x19AF	1	SpeData 6	-	U16
6576	0x19B0	4	SpeData 7	-	S64
6580	0x19B4	4	SpeData 8	-	S64

ALM Sys Current Status #9

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6584	0x19B8	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6584	0x19B8	1	Ack ID	-	U16
6585	0x19B9	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6586	0x19BA	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6587	0x19BB	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6588	0x19BC	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6589	0x19BD	2	Start date	-	DATETIME

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6591	0x19BF	2	Duration	s	U32
6593	0x19C1	1	Startup delay	s / 2	U16
6594	0x19C2	1	Dropout delay	s / 2	U16
6595	0x19C3	2	SpeData 1	-	U32
6597	0x19C5	1	SpeData 5	-	U16
6598	0x19C6	1	SpeData 6	-	U16
6599	0x19C7	4	SpeData 7	-	S64
6603	0x19CB	4	SpeData 8	-	S64

ALM Sys Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6656	0x1A00	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6656	0x1A00	1	Status : 0 : Disabled 1 : Enabled	-	U8
6657	0x1A01	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6658	0x1A02	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6659	0x1A03	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6660	0x1A04	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8

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6661	0x1A05	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6662	0x1A06	1	Startup delay	s / 2	U16
6663	0x1A07	1	Dropout delay	s / 2	U16

ALM Sys Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6664	0x1A08	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6664	0x1A08	1	Status : 0 : Disabled 1 : Enabled	-	U8
6665	0x1A09	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6666	0x1A0A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6667	0x1A0B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6668	0x1A0C	1	Output for report 0 : Output 1	-	U8

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			1 : Output 2 255 : Not used		
6669	0x1A0D	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over SNTTP 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6670	0x1A0E	1	Startup delay	s / 2	U16
6671	0x1A0F	1	Dropout delay	s / 2	U16

ALM Sys Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6672	0x1A10	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6672	0x1A10	1	Status : 0 : Disabled 1 : Enabled	-	U8
6673	0x1A11	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6674	0x1A12	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6675	0x1A13	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8

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6676	0x1A14	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6677	0x1A15	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over SNTP 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6678	0x1A16	1	Startup delay	s / 2	U16
6679	0x1A17	1	Dropout delay	s / 2	U16

ALM Sys Settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6680	0x1A18	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6680	0x1A18	1	Status : 0 : Disabled 1 : Enabled	-	U8
6681	0x1A19	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6682	0x1A1A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6683	0x1A1B	1	Input for ack 0 : Input 1 1 : Input 2	-	U8

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			2 : Input 3 255 : Not used		
6684	0x1A1C	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6685	0x1A1D	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6686	0x1A1E	1	Startup delay	s / 2	U16
6687	0x1A1F	1	Dropout delay	s / 2	U16

ALM Sys Settings #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6688	0x1A20	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6688	0x1A20	1	Status : 0 : Disabled 1 : Enabled	-	U8
6689	0x1A21	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6690	0x1A22	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6691	0x1A23	1	Input for ack 0 : Input 1	-	U8

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			1 : Input 2 2 : Input 3 255 : Not used		
6692	0x1A24	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6693	0x1A25	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6694	0x1A26	1	Startup delay	s / 2	U16
6695	0x1A27	1	Dropout delay	s / 2	U16

ALM Sys Settings #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6696	0x1A28	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6696	0x1A28	1	Status : 0 : Disabled 1 : Enabled	-	U8
6697	0x1A29	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6698	0x1A2A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8

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6699	0x1A2B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6700	0x1A2C	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6701	0x1A2D	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6702	0x1A2E	1	Startup delay	s / 2	U16
6703	0x1A2F	1	Dropout delay	s / 2	U16

ALM Sys Settings #7

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6704	0x1A30	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6704	0x1A30	1	Status : 0 : Disabled 1 : Enabled	-	U8
6705	0x1A31	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8
6706	0x1A32	1	Acknowledgement method : 0 : None	-	U8

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			1 : MODBUS only 2 : Logical input		
6707	0x1A33	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6708	0x1A34	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6709	0x1A35	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over Sntp 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6710	0x1A36	1	Startup delay	s / 2	U16
6711	0x1A37	1	Dropout delay	s / 2	U16

ALM Sys Settings #8

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6712	0x1A38	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6712	0x1A38	1	Status : 0 : Disabled 1 : Enabled	-	U8
6713	0x1A39	1	Criticality : 0 : Information 1 : Not critical 2 : Critical	-	U8

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6714	0x1A3A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6715	0x1A3B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6716	0x1A3C	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6717	0x1A3D	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over SNTP 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6718	0x1A3E	1	Startup delay	s / 2	U16
6719	0x1A3F	1	Dropout delay	s / 2	U16

ALM Sys Settings #9

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6720	0x1A40	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6720	0x1A40	1	Status : 0 : Disabled 1 : Enabled	-	U8
6721	0x1A41	1	Criticality : 0 : Information	-	U8

			1 : Not critical 2 : Critical		
6722	0x1A42	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6723	0x1A43	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 255 : Not used	-	U8
6724	0x1A44	1	Output for report 0 : Output 1 1 : Output 2 255 : Not used	-	U8
6725	0x1A45	1	Alarm Type 0 : None 1 : Net Rotation 2 : V/I Association 3 : CT disconnected 4 : Error on Email sending 5 : Error on time reading over SNTP 8 : Indus area error 10 : CT Prim settings and Diag different 11 : File Transfer Error 14 : Network voltage out of specified range	-	U8
6726	0x1A46	1	Startup delay	s / 2	U16
6727	0x1A47	1	Dropout delay	s / 2	U16

Log

ALM Log

Command						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5504	0x1580	Command	1	NONE	WRITE_MANY	WRITE_MANY

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Dec address	Hex address	Words count	Description	Unit	Data type
5504	0x1580	1	Start record number (0 to 65534) or 65535 for last record	-	U16

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5520	0x1590	Header	3	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5520	0x1590	1	Next record number	-	U16
5521	0x1591	1	Items count (max 7 per request)	-	U16
5522	0x1592	1	Item size (words)	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5523	0x1593	Data	21	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5523	0x1593	1	Alarm cause 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 7 : Logical Active 8 : Combi. And 9 : Combi. Or 10 : EN50160 Active 11 : Inrush Active 12 : System Active	-	U16_HEX
5524	0x1594	1	Criticality : 0 : Information	-	U8

			1 : Not Critical 2 : Critical		
5525	0x1595	2	Start date	-	DATETIME
5527	0x1597	2	Duration	s	U32
5529	0x1599	2	Specific data 1 (depend on alarm type)	-	U32
5531	0x159B	1	Specific data 2 (depend on alarm type)	-	U16
5532	0x159C	1	Specific data 3 (depend on alarm type)	-	U16
5533	0x159D	1	Specific data 4 (depend on alarm type)	-	U16
5534	0x159E	1	Specific data 5 (depend on alarm type)	-	U16
5535	0x159F	1	Specific data 6 (depend on alarm type)	-	U16
5536	0x15A0	4	Specific data 7 (depend on alarm type)	-	S64
5540	0x15A4	4	Specific data 8 (depend on alarm type)	-	S64

Acknowledgment

ALM Acknowledgment

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
22016	0x5600	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
22016	0x5600	1	Ack ID	-	U16

Protective device

Protective device settings

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11328	0x2C40	Settings	7	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
11328	0x2C40	1	Type 0 : None 1 : Breaker 3 : Switch 4 : Switch fuse 5 : Fuse	-	U8
11329	0x2C41	1	Position Input 0 : Input 1 1 : Input 2 2 : Input 3 254 : VirtualMonitor 255 : None	-	U8
11330	0x2C42	1	Trip Input 0 : Input 1 1 : Input 2 2 : Input 3 254 : VirtualMonitor 255 : None	-	U8
11331	0x2C43	1	Drawer Input 0 : Input 1 1 : Input 2 2 : Input 3 255 : None	-	U8
11332	0x2C44	1	No load threshold	%	U16
11333	0x2C45	1	High load threshold	%	U16
11334	0x2C46	1	Trip threshold	%	U16

Protective device

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11344	0x2C50	Info	17	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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11344	0x2C50	1	Monitoring status 0 : Disabled 1 : Enabled	-	U8
11345	0x2C51	1	Type 0 : None 1 : Breaker 2 : Differential breaker 3 : Switch 4 : Switch fuse 5 : Fuse	-	U8
11346	0x2C52	1	Position 0 : Open 1 : Closed 2 : Unknown 3 : N/A	-	U8
11347	0x2C53	1	Trip state 0 : No trip 1 : Trip 2 : Unknown 3 : N/A	-	U8
11348	0x2C54	1	Drawer state 0 : Open 1 : Closed 2 : Unknown 3 : N/A	-	U8
11349	0x2C55	1	Position Pole 1 0 : Open 1 : Closed 2 : Unknown 3 : N/A	-	U8
11350	0x2C56	1	Position Pole 2 0 : Open 1 : Closed 2 : Unknown 3 : N/A	-	U8
11351	0x2C57	1	Position Pole 3 0 : Open 1 : Closed 2 : Unknown 3 : N/A	-	U8
11352	0x2C58	1	Reserved	-	-
11353	0x2C59	1	Trip counter	-	U16

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11354	0x2C5A	2	Last trip date	-	DATETIME
11356	0x2C5C	1	Operation counter (I <= 5% In)	-	U16
11357	0x2C5D	1	Operation counter (5% In < I <= 100% In)	-	U16
11358	0x2C5E	1	Operation counter (I > 100% In)	-	U16
11359	0x2C5F	1	Total operation counter	-	U16
11360	0x2C60	1	On fault 0 : No 1 : Fault detected 2 : N/A	-	U8

Protective device counters reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11318	0x2C36	Commands	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
11318	0x2C36	1	Reset counters 0 : No reset 1 : All counters	-	U8

Multi Fluid

Meters

MFF Meters #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
10240	0x2800	Info	12	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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10240	0x2800	1	Enable 0 : Disabled 1 : Enabled	-	U8
10241	0x2801	2	Weight	- / 100	S32
10243	0x2803	1	Unit 0 : Wh 1 : varh 2 : VAh 3 : m3 4 : Nm3 5 : J 6 : Imp 7 : L 8 : Custom Unit 10 : kWh 11 : kvarh 12 : kVAh 13 : km3 14 : kNm3 15 : kJ 16 : kImp 17 : kL 20 : MWh 21 : Mvarh 22 : MVAh 23 : Mm3 24 : MNm3 25 : MJ 26 : MImp 30 : -	-	U8
10244	0x2804	4	Total	- / 100	S64
10248	0x2808	4	Partial	- / 100	S64

MFF Meters #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
10271	0x281F	Info	12	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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10271	0x281F	1	Enable 0 : Disabled 1 : Enabled	-	U8
10272	0x2820	2	Weight	- / 100	S32
10274	0x2822	1	Unit 0 : Wh 1 : varh 2 : VAh 3 : m3 4 : Nm3 5 : J 6 : Imp 7 : L 8 : Custom Unit 10 : kWh 11 : kvarh 12 : kVAh 13 : km3 14 : kNm3 15 : kJ 16 : kImp 17 : kL 20 : MWh 21 : Mvarh 22 : MVAh 23 : Mm3 24 : MNm3 25 : MJ 26 : MImp 30 : -	-	U8
10275	0x2823	4	Total	- / 100	S64
10279	0x2827	4	Partial	- / 100	S64

MFF Meters #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
10302	0x283E	Info	12	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
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10302	0x283E	1	Enable 0 : Disabled 1 : Enabled	-	U8
10303	0x283F	2	Weight	- / 100	S32
10305	0x2841	1	Unit 0 : Wh 1 : varh 2 : VAh 3 : m3 4 : Nm3 5 : J 6 : Imp 7 : L 8 : Custom Unit 10 : kWh 11 : kvarh 12 : kVAh 13 : km3 14 : kNm3 15 : kJ 16 : kImp 17 : kL 20 : MWh 21 : Mvarh 22 : MVAh 23 : Mm3 24 : MNm3 25 : MJ 26 : MImp 30 : -	-	U8
10306	0x2842	4	Total	- / 100	S64
10310	0x2846	4	Partial	- / 100	S64

MFF Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
10560	0x2940	Settings	70	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
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10560	0x2940	1	Enabled 0 : Disabled 1 : Enabled	-	U8
10561	0x2941	2	Weight	- / 100	S32
10563	0x2943	1	Unit 0 : Wh 1 : varh 2 : VAh 3 : m3 4 : Nm3 5 : J 6 : Imp 7 : L 8 : Custom Unit 10 : kWh 11 : kvarh 12 : kVAh 13 : km3 14 : kNm3 15 : kJ 16 : kImp 17 : kL 20 : MWh 21 : Mvarh 22 : MVAh 23 : Mm3 24 : MNm3 25 : MJ 26 : MImp 30 : -	-	U8
10564	0x2944	1	Nature 0 : Electricity 1 : Gas 2 : Water 3 : Compressed Air 4 : Fuel 5 : Undefined 6 : Fluid 1 7 : Fluid 2 8 : Fluid 3 9 : Custom Nature	-	U8
10565	0x2945	1	Usage 0 : Heating 1 : Ventilation 2 : Air Conditionning	-	U8

			3 : Auxiliary Fan Pump 4 : Indoor Lighting 5 : Outdoor Lighting 6 : Socket 7 : Hot Water Domestic 8 : Hot Water 9 : Cold Water 10 : Ice Water 11 : Refrigerating Production 12 : Photovoltaics 13 : Wind 14 : IT 15 : Process 16 : Usage 1 17 : Usage 2 18 : Usage 3 19 : Undefined 20 : Custom Usage		
10566	0x2946	16	Name	-	STRING_NORM
10582	0x2956	16	Custom Unit	-	STRING_NORM
10598	0x2966	16	Custom Usage	-	STRING_NORM
10614	0x2976	16	Custom Nature	-	STRING_NORM

MFF Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
10630	0x2986	Settings	70	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
10630	0x2986	1	Enabled 0 : Disabled 1 : Enabled	-	U8
10631	0x2987	2	Weight	- / 100	S32
10633	0x2989	1	Unit 0 : Wh 1 : varh 2 : VAh 3 : m3	-	U8

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			4 : Nm3 5 : J 6 : Imp 7 : L 8 : Custom Unit 10 : kWh 11 : kvarh 12 : kVAh 13 : km3 14 : kNm3 15 : kJ 16 : kImp 17 : kL 20 : MWh 21 : Mvarh 22 : MVAh 23 : Mm3 24 : MNm3 25 : MJ 26 : MImp 30 : -		
10634	0x298A	1	Nature 0 : Electricity 1 : Gas 2 : Water 3 : Compressed Air 4 : Fuel 5 : Undefined 6 : Fluid 1 7 : Fluid 2 8 : Fluid 3 9 : Custom Nature	-	U8
10635	0x298B	1	Usage 0 : Heating 1 : Ventilation 2 : Air Conditioning 3 : Auxiliary Fan Pump 4 : Indoor Lighting 5 : Outdoor Lighting 6 : Socket 7 : Hot Water Domestic 8 : Hot Water 9 : Cold Water 10 : Ice Water 11 : Refrigerating Production 12 : Photovoltaics	-	U8

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			13 : Wind 14 : IT 15 : Process 16 : Usage 1 17 : Usage 2 18 : Usage 3 19 : Undefined 20 : Custom Usage		
10636	0x298C	16	Name	-	STRING_NORM
10652	0x299C	16	Custom Unit	-	STRING_NORM
10668	0x29AC	16	Custom Usage	-	STRING_NORM
10684	0x29BC	16	Custom Nature	-	STRING_NORM

MFF Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
10700	0x29CC	Settings	70	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
10700	0x29CC	1	Enabled 0 : Disabled 1 : Enabled	-	U8
10701	0x29CD	2	Weight	- / 100	S32
10703	0x29CF	1	Unit 0 : Wh 1 : varh 2 : VAh 3 : m3 4 : Nm3 5 : J 6 : Imp 7 : L 8 : Custom Unit 10 : kWh 11 : kvarh 12 : kVAh 13 : km3 14 : kNm3	-	U8

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			15 : kJ 16 : kImp 17 : kL 20 : MWh 21 : Mvarh 22 : MVAh 23 : Mm3 24 : MNm3 25 : MJ 26 : MImp 30 : -		
10704	0x29D0	1	Nature 0 : Electricity 1 : Gas 2 : Water 3 : Compressed Air 4 : Fuel 5 : Undefined 6 : Fluid 1 7 : Fluid 2 8 : Fluid 3 9 : Custom Nature	-	U8
10705	0x29D1	1	Usage 0 : Heating 1 : Ventilation 2 : Air Conditionning 3 : Auxiliary Fan Pump 4 : Indoor Lighting 5 : Outdoor Lighting 6 : Socket 7 : Hot Water Domestic 8 : Hot Water 9 : Cold Water 10 : Ice Water 11 : Refrigerating Production 12 : Photovoltaics 13 : Wind 14 : IT 15 : Process 16 : Usage 1 17 : Usage 2 18 : Usage 3 19 : Undefined 20 : Custom Usage	-	U8
10706	0x29D2	16	Name	-	STRING_NORM

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10722	0x29E2	16	Custom Unit	-	STRING_NORM
10738	0x29F2	16	Custom Usage	-	STRING_NORM
10754	0x2A02	16	Custom Nature	-	STRING_NORM

Reset

MFF Partial meters reset #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20100	0x4E84	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
20100	0x4E84	1	Partial meters reset 0 : No action 1 : Reset	-	U8

MFF Partial meters reset #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20101	0x4E85	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
20101	0x4E85	1	Partial meters reset 0 : No action 1 : Reset	-	U8

MFF Partial meters reset #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20102	0x4E86	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
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20102	0x4E86	1	Partial meters reset 0 : No action 1 : Reset	-	U8
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MFF Total meters set #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20160	0x4EC0	Commands	4	SUPERUSER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
20160	0x4EC0	4	Total meter set	- / 100	S64

MFF Total meters set #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20164	0x4EC4	Commands	4	SUPERUSER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
20164	0x4EC4	4	Total meter set	- / 100	S64

MFF Total meters set #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20168	0x4EC8	Commands	4	SUPERUSER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
20168	0x4EC8	4	Total meter set	- / 100	S64

Tariff Meters

MFF Tariff total meter #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
32768	0x8000	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
32768	0x8000	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8	-	U16
32769	0x8001	4	T1	- / 100	S64
32773	0x8005	4	T2	- / 100	S64
32777	0x8009	4	T3	- / 100	S64
32781	0x800D	4	T4	- / 100	S64
32785	0x8011	4	T5	- / 100	S64
32789	0x8015	4	T6	- / 100	S64
32793	0x8019	4	T7	- / 100	S64
32797	0x801D	4	T8	- / 100	S64

MFF Tariff total meter #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
32832	0x8040	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
32832	0x8040	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6	-	U16

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			6 : Tariff 7 7 : Tariff 8		
32833	0x8041	4	T1	- / 100	S64
32837	0x8045	4	T2	- / 100	S64
32841	0x8049	4	T3	- / 100	S64
32845	0x804D	4	T4	- / 100	S64
32849	0x8051	4	T5	- / 100	S64
32853	0x8055	4	T6	- / 100	S64
32857	0x8059	4	T7	- / 100	S64
32861	0x805D	4	T8	- / 100	S64

MFF Tariff total meter #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
32896	0x8080	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
32896	0x8080	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8	-	U16
32897	0x8081	4	T1	- / 100	S64
32901	0x8085	4	T2	- / 100	S64
32905	0x8089	4	T3	- / 100	S64
32909	0x808D	4	T4	- / 100	S64
32913	0x8091	4	T5	- / 100	S64
32917	0x8095	4	T6	- / 100	S64
32921	0x8099	4	T7	- / 100	S64
32925	0x809D	4	T8	- / 100	S64

MFF Tariff partial meter #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33024	0x8100	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
33024	0x8100	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8	-	U16
33025	0x8101	4	T1	- / 100	S64
33029	0x8105	4	T2	- / 100	S64
33033	0x8109	4	T3	- / 100	S64
33037	0x810D	4	T4	- / 100	S64
33041	0x8111	4	T5	- / 100	S64
33045	0x8115	4	T6	- / 100	S64
33049	0x8119	4	T7	- / 100	S64
33053	0x811D	4	T8	- / 100	S64

MFF Tariff partial meter #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33088	0x8140	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
33088	0x8140	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6	-	U16

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			6 : Tariff 7 7 : Tariff 8		
33089	0x8141	4	T1	- / 100	S64
33093	0x8145	4	T2	- / 100	S64
33097	0x8149	4	T3	- / 100	S64
33101	0x814D	4	T4	- / 100	S64
33105	0x8151	4	T5	- / 100	S64
33109	0x8155	4	T6	- / 100	S64
33113	0x8159	4	T7	- / 100	S64
33117	0x815D	4	T8	- / 100	S64

MFF Tariff partial meter #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33152	0x8180	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
33152	0x8180	1	Tariff number in progress 0 : Tariff 1 1 : Tariff 2 2 : Tariff 3 3 : Tariff 4 4 : Tariff 5 5 : Tariff 6 6 : Tariff 7 7 : Tariff 8	-	U16
33153	0x8181	4	T1	- / 100	S64
33157	0x8185	4	T2	- / 100	S64
33161	0x8189	4	T3	- / 100	S64
33165	0x818D	4	T4	- / 100	S64
33169	0x8191	4	T5	- / 100	S64
33173	0x8195	4	T6	- / 100	S64
33177	0x8199	4	T7	- / 100	S64
33181	0x819D	4	T8	- / 100	S64

Reset

MFF Tariff partial meter reset #1						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33280	0x8200	Commands	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
33280	0x8200	1	Partial tariff meters reset 0 : No action 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4 5 : Tariff 5 6 : Tariff 6 7 : Tariff 7 8 : Tariff 8 254 : All	-	U8

MFF Tariff partial meter reset #2						
Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33313	0x8221	Commands	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
33313	0x8221	1	Partial tariff meters reset 0 : No action 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4 5 : Tariff 5 6 : Tariff 6 7 : Tariff 7 8 : Tariff 8 254 : All	-	U8

MFF Tariff partial meter reset #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33346	0x8242	Commands	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
33346	0x8242	1	Partial tariff meters reset 0 : No action 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4 5 : Tariff 5 6 : Tariff 6 7 : Tariff 7 8 : Tariff 8 254 : All	-	U8

MFF Tariff total meter set #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33536	0x8300	Commands	32	SUPERUSER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
33536	0x8300	4	Total tariff 1 meter set	- / 100	S64
33540	0x8304	4	Total tariff 2 meter set	- / 100	S64
33544	0x8308	4	Total tariff 3 meter set	- / 100	S64
33548	0x830C	4	Total tariff 4 meter set	- / 100	S64
33552	0x8310	4	Total tariff 5 meter set	- / 100	S64
33556	0x8314	4	Total tariff 6 meter set	- / 100	S64
33560	0x8318	4	Total tariff 7 meter set	- / 100	S64
33564	0x831C	4	Total tariff 8 meter set	- / 100	S64

MFF Tariff total meter set #2

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33568	0x8320	Commands	32	SUPERUSER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
33568	0x8320	4	Total tariff 1 meter set	- / 100	S64
33572	0x8324	4	Total tariff 2 meter set	- / 100	S64
33576	0x8328	4	Total tariff 3 meter set	- / 100	S64
33580	0x832C	4	Total tariff 4 meter set	- / 100	S64
33584	0x8330	4	Total tariff 5 meter set	- / 100	S64
33588	0x8334	4	Total tariff 6 meter set	- / 100	S64
33592	0x8338	4	Total tariff 7 meter set	- / 100	S64
33596	0x833C	4	Total tariff 8 meter set	- / 100	S64

MFF Tariff total meter set #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33600	0x8340	Commands	32	SUPERUSER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
33600	0x8340	4	Total tariff 1 meter set	- / 100	S64
33604	0x8344	4	Total tariff 2 meter set	- / 100	S64
33608	0x8348	4	Total tariff 3 meter set	- / 100	S64
33612	0x834C	4	Total tariff 4 meter set	- / 100	S64
33616	0x8350	4	Total tariff 5 meter set	- / 100	S64
33620	0x8354	4	Total tariff 6 meter set	- / 100	S64
33624	0x8358	4	Total tariff 7 meter set	- / 100	S64
33628	0x835C	4	Total tariff 8 meter set	- / 100	S64

Maintenance

Actions

Action system (Write Function only)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57856	0xE200	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57856	0xE200	1	Action : 0xA1 : Product Configuration storage 0xB2 : Product reset 0xE5 : Restore factory settings	-	U8_HEX

USB function (Write Function only)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57872	0xE210	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57872	0xE210	1	USB function : 0x01 : DFU 0x02 : PCL	-	U8_HEX

Status

Reset histo

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
544	0x0220	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
544	0x0220	1	Action 0 : No action 1 : Reset alarms history 2 : Reset EN50160 / Inrush events history 8 : Reset load curves 16 : Reset average trends 32 : Reset consumption curves	-	U16

Memory status

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
560	0x0230	Info	24	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
560	0x0230	1	Max. Item Number : Alarm	-	U16
561	0x0231	1	Available Items : Alarm	-	U16
562	0x0232	2	Log size (byte) : Alarm	-	U32
564	0x0234	1	Max. Item Number : EN50160	-	U16
565	0x0235	1	Available Items : EN50160	-	U16
566	0x0236	2	Log size (byte) : EN50160	-	U32
568	0x0238	1	Reserved	-	-
569	0x0239	1	Reserved	-	-
570	0x023A	2	Reserved	-	-
572	0x023C	1	Max. Item Number : Load curve	-	U16
573	0x023D	1	Available Items : Load curve	-	U16
574	0x023E	2	Log size (byte) : Load curve	-	U32
576	0x0240	1	Max. Item Number : Trend	-	U16
577	0x0241	1	Available Items : Trend	-	U16
578	0x0242	2	Log size (byte) : Trend	-	U32

580	0x0244	1	Max. Item Number : Idx	-	U16
581	0x0245	1	Available Items : Idx	-	U16
582	0x0246	2	Log size (byte) : Idx	-	U32

Legacy

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	Hour Meter	h 10 ⁻²	U32
50514	0xC552	2	Phase to Phase Voltage: U12	V 10 ⁻²	U32
50516	0xC554	2	Phase to Phase Voltage: U23	V 10 ⁻²	U32
50518	0xC556	2	Phase to Phase Voltage: U31	V 10 ⁻²	U32
50520	0xC558	2	Simple voltage : V1	V 10 ⁻²	U32
50522	0xC55A	2	Simple voltage : V2	V 10 ⁻²	U32
50524	0xC55C	2	Simple voltage : V3	V 10 ⁻²	U32
50526	0xC55E	2	Frequency : F	Hz 10 ⁻²	U32
50528	0xC560	2	Current : I1	mA	U32
50530	0xC562	2	Current : I2	mA	U32
50532	0xC564	2	Current : I3	mA	U32
50534	0xC566	2	Neutral Current : In	mA	U32
50536	0xC568	2	Tot Active Power +/- : P	W 10	S32
50538	0xC56A	2	Tot Reactive Power +/- : Q	var 10	S32
50540	0xC56C	2	Tot Apparent Power : S	VA 10	U32
50542	0xC56E	2	Tot Power Factor : -: leading et + : lagging : PF	- / 1000	S32
50544	0xC570	2	Active Power phase 1 +/- : P1	W 10	S32

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50546	0xC572	2	Active Power phase 2 +/- : P2	W 10	S32
50548	0xC574	2	Active Power phase 3 +/- : P3	W 10	S32
50550	0xC576	2	Reactive Power phase 1 +/- : Q1	var 10	S32
50552	0xC578	2	Reactive Power phase 2 +/- : Q2	var 10	S32
50554	0xC57A	2	Reactive Power phase 3 +/- : Q3	var 10	S32
50556	0xC57C	2	Apparent Power phase 1 : S1	VA 10	U32
50558	0xC57E	2	Apparent Power phase 2 : S2	VA 10	U32
50560	0xC580	2	Apparent Power phase 3 : S3	VA 10	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	System value I Sys : (I1 + I2 + I3) / 3	mA	U32
50570	0xC58A	2	System value U Sys : (U12 + U23 + U31) / 3	V 10 ⁻²	U32
50572	0xC58C	2	System value V Sys : (V1 + V2 + V3) / 3	V 10 ⁻²	U32

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	Hour meter	h 10 ⁻²	U32
50770	0xC652	2	Reserved	-	-
50772	0xC654	2	Reserved	-	-
50774	0xC656	2	Reserved	-	-
50776	0xC658	2	Reserved	-	-
50778	0xC65A	2	Reserved	-	-
50780	0xC65C	2	Partial Positive Active Energy: Ea+	kWh	U32
50782	0xC65E	2	Partial Positive Reactive Energy: Er +	varh 10 ³	U32
50784	0xC660	2	Partial Apparent Energy : Es	kVAh	U32
50786	0xC662	2	Partial Negative Active Energy : Ea-	kWh	U32
50788	0xC664	2	Partial Negative Reactive Energy : Er -	varh 10 ³	U32

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50790	0xC666	2	Number of pulse meter (3 Maxi)	-	U32
50792	0xC668	2	Total pulse meter Input 1	-	U32
50794	0xC66A	2	Total pulse meter Input 2	-	U32
50796	0xC66C	2	Total pulse meter Input 3	-	U32
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	Predictive Active Power	W 10	U32
50814	0xC67E	2	Predictive Reactive Power	var 10	U32
50816	0xC680	2	Predictive Apparent Power	VA 10	U32
50818	0xC682	2	Reserved	-	-
50820	0xC684	2	Reserved	-	-
50822	0xC686	2	Reserved	-	-
50824	0xC688	2	Reserved	-	-
50826	0xC68A	2	Reserved	-	-
50828	0xC68C	1	Reserved	-	-
50829	0xC68D	1	Reserved	-	-
50830	0xC68E	1	Reserved	-	-
50831	0xC68F	1	Reserved	-	-
50832	0xC690	1	Reserved	-	-

RAZ (Function 6)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
1024	0x0400	Commands	4	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
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1024	0x0400	1	Reset 1 (0xFFFF for all) 0x1000 : All energies	-	U16_HEX
1025	0x0401	1	Reserved	-	-
1026	0x0402	1	Reserved	-	-
1027	0x0403	1	Reserved	-	-