

AC SMART ECO / VALUE / ADVANCED

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Modbus-Register – AC SMART



Da die Schreibzyklen der nicht flüchtigen Register begrenzt sind, dürfen diese Register nicht zyklisch beschrieben werden, z. B. im Sekundentakt oder Minutentakt.

Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_DIN_FUNCTION_1	100	UINT	1	rw	Nicht flüchtig	Funktion des digitalen Eingangs: 0 = Autorisierung Ladevorgang 1 = Stromvorgabe 0% 2 = Stromvorgabe 30% 3 = Stromvorgabe 50% 4 = Stromvorgabe 60% 5 = Stromvorgabe 100%
GD_ID_DIN_FUNCTION_2	101	UINT	1	rw	Nicht flüchtig	Funktion des digitalen Eingangs: 0 = Autorisierung Ladevorgang 1 = Stromvorgabe 0% 2 = Stromvorgabe 30% 3 = Stromvorgabe 50% 4 = Stromvorgabe 60% 5 = Stromvorgabe 100%
GD_ID_DIN_FUNCTION_3	102	UINT	1	rw	Nicht flüchtig	Funktion des digitalen Eingangs: 0 = Autorisierung Ladevorgang 1 = Stromvorgabe 0% 2 = Stromvorgabe 30% 3 = Stromvorgabe 50% 4 = Stromvorgabe 60% 5 = Stromvorgabe 100%
GD_ID_DIN_FUNCTION_4	103	UINT	1	rw	Nicht flüchtig	Funktion des digitalen Eingangs: 0 = Autorisierung Ladevorgang 1 = Stromvorgabe 0% 2 = Stromvorgabe 30% 3 = Stromvorgabe 50% 4 = Stromvorgabe 60% 5 = Stromvorgabe 100%
GD_ID_DIN_FUNCTION_5	104	UINT	1	rw	Nicht flüchtig	Funktion des digitalen Eingangs: 0 = Autorisierung Ladevorgang 1 = Stromvorgabe 0% 2 = Stromvorgabe 30% 3 = Stromvorgabe 50% 4 = Stromvorgabe 60% 5 = Stromvorgabe 100%
GD_ID_DIN_FUNCTION_ACTIVE_1	105	UINT	1	rw	Nicht flüchtig	Funktion des Eingangs ist aktiv 0 = Inaktiv 1 = Aktiv
GD_ID_DIN_FUNCTION_ACTIVE_2	106	UINT	1	rw	Nicht flüchtig	Funktion des Eingangs ist aktiv 0 = Inaktiv 1 = Aktiv
GD_ID_DIN_FUNCTION_ACTIVE_3	107	UINT	1	rw	Nicht flüchtig	Funktion des Eingangs ist aktiv 0 = Inaktiv 1 = Aktiv
GD_ID_DIN_FUNCTION_ACTIVE_4	108	UINT	1	rw	Nicht flüchtig	Funktion des Eingangs ist aktiv 0 = Inaktiv 1 = Aktiv
GD_ID_DIN_FUNCTION_ACTIVE_5	109	UINT	1	rw	Nicht flüchtig	Funktion des Eingangs ist aktiv 0 = Inaktiv 1 = Aktiv

ro = read-only / nur lesen

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_DIN_RCR_MONITORING	110	UINT	1	rw	Nicht flüchtig	Aktiviert oder deaktiviert die Überwachung der digitalen Eingänge. Wenn die Überwachung aktiv ist, wird ein Fehler gemeldet, falls nicht genau ein digitaler Eingang aktiv, der als Stromreduzierung gewählt ist.
GD_ID_DIN_CURRENT_REDUCTION	111	UINT	1	ro	–	Stromreduzierung durch die digitalen Eingänge in Prozent
GD_ID_DIN_ENABLE_CHARGING	113	UINT	1	ro	–	Aktueller Zustand der Ladefunktion, Autorisierung über digitalen Eingang
GD_ID_DIN_STATUS_1	114	UINT	1	ro	–	Status des Eingangs 0 = Low 1 = High
GD_ID_DIN_STATUS_2	115	UINT	1	ro	–	Status des Eingangs 0 = Low 1 = High
GD_ID_DIN_STATUS_3	116	UINT	1	ro	–	Status des Eingangs 0 = Low 1 = High
GD_ID_DIN_STATUS_4	117	UINT	1	ro	–	Status des Eingangs 0 = Low 1 = High
GD_ID_DIN_STATUS_5	118	UINT	1	ro	–	Status des Eingangs 0 = Low 1 = High
GD_ID_OUT_FUNCTION	200	UINT	1	rw	Nicht flüchtig	Funktion des digitalen Ausgangs 0 = Keine Funktion 1 = Aktiv, wenn Fahrzeug in Zustand C
GD_ID_OUT_LED_BRIGHTNESS	201	UINT	1	rw	Nicht flüchtig	Helligkeit von Status-LED und RFID-LED in Prozent
GD_ID_OUT_LED_INACTIVITY_TIME	202	UINT	1	rw	Nicht flüchtig	Zeit in Minuten, nach der die LEDs bei Inaktivität ausgeschaltet werden.
GD_ID_OUT_LED_INACTIVITY_ENABLE	203	UINT	1	rw	Nicht flüchtig	Funktion: LED-Inaktivität 0 = Nicht aktiv 1 = Aktiv
GD_ID_EVCC_ACTUAL_CURRENT_SETTING	300	UINT	1	ro	–	Stromstärke in [A], die dem Fahrzeug vorgegeben wird
GD_ID_EVCC_CAR_STATE	301	CHAR	1	ro	–	Fahrzeugzustand enum/ASCII 65 = A 66 = B 67 = C 68 = D 69 = E 70 = F

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_EVCC_EVSE_STATE	302	UINT	1	ro	–	Zustand der Ladezustandsmaschine (State machine, enum): 0 = Ruhezustand, kein Fahrzeug angeschlossen, kein Fehler 1 = Ladekabel wird verriegelt 2 = Ladekabel wird entriegelt 3 = Auf Autorisierung warten 4 = RCMB Selbsttest wird durchgeführt 5 = Fahrzeug ist verbunden (B1) 6 = State B2 7 = Wakeup, negative Spannung 8 = Wakeup, keine Spannung 9 = Prüfen, ob Fahrzeug wach ist nach negativer Spannung 10 = Prüfen, ob Fahrzeug wach ist nach keiner Spannung 11 = Ladevorgang läuft (C2) 12 = Ladevorgang pausiert (C1) 13 = Kabel abgezogen, während PWM (A2) 14 = Fehlerzustand (-12 V) 15 = Es liegt ein Fehler vor, der zum Ladeabbruch führt (12 V)
GD_ID_EVCC_RELAIS_ACITVE	303	UINT	1	ro	–	Zustand der Relais 0 = Inaktiv 1 = Aktiv
GD_ID_EVCC_PWM_ACTIVE	304	UINT	1	ro	–	CP-PWM an das Fahrzeug ist aktiv
GD_ID_EVCC_CHARGING_TIME	305	UINT	4	ro	–	Dauer des Ladevorgangs in Sekunden (Autorisierung bis Deautorisierung)
GD_ID_EVCC_CHARGING_STATION_AVAILABLE	307	UINT	1	ro	–	Station verfügbar / Wartungsmodus 1 = Available
GD_ID_EVCC_CABLE_CURRENT_LIMIT	308	INT	1	ro	–	PP-Stromvorgabe des Kabels in A, (-1 im Fehlerfall)
GD_ID_EVCC_LOCKING_CLOSED	309	UINT	1	ro	–	Verriegelung geschlossen
GD_ID_EVCC_ENABLE_CHARGING	310	UINT	1	ro	–	Ladefreigabe wurde erteilt
GD_ID_EVCC_CABLE	311	UINT	1	ro	–	0 = PLUG (fest montiertes Kabel) 1 = SOCKET (nur Steckdose)
GD_ID_EVCC_PHASES	317	UINT	1	rw	Nicht flüchtig	Umschaltung zwischen 1-phasigem und 3-phasigem Laden 0 = 1-phasig 1 = 3-phasig
GD_ID_EVCC_PHASES_LLM	318	UINT	1	rw	Flüchtig	Phasenumschaltung vom Last-/Lademanagement
GD_ID_EVCC_INSTALLED_PHASES	319	UINT	1	ro	–	Anzahl der installierten Phasen (enum: 0:1-phasig)
GD_ID_EVCC_RELAIS_COUNTER	320	UINT	4	ro	–	Anzahl, wie oft das Relais unter Last geschaltet wurde
GD_ID_EVCC_CONNECTION_DURATION	322	UINT	4	ro	–	Dauer in Sekunden, wie lange ein Fahrzeug angeschlossen ist

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_CM_VOLTAGE_PHASE_1	400	UINT	4	ro	–	Effektivwert der Spannung (RMS) in [mV]
GD_ID_CM_VOLTAGE_PHASE_2	402	UINT	4	ro	–	Effektivwert der Spannung (RMS) in [mV]
GD_ID_CM_VOLTAGE_PHASE_3	404	UINT	4	ro	–	Effektivwert der Spannung (RMS) in [mV]
GD_ID_CM_CURRENT_PHASE_1	406	UINT	4	ro	–	Effektivwert des Stroms (RMS) in [mA]
GD_ID_CM_CURRENT_PHASE_2	408	UINT	4	ro	–	Effektivwert des Stroms (RMS) in [mA]
GD_ID_CM_CURRENT_PHASE_3	410	UINT	4	ro	–	Effektivwert des Stroms (RMS) in [mA]
GD_ID_CM_CURRENT_AVG_PHASE_1	412	UINT	4	ro	–	Durchschnittlicher Strom in [mA]
GD_ID_CM_CURRENT_AVG_PHASE_2	414	UINT	4	ro	–	Durchschnittlicher Strom in [mA]
GD_ID_CM_CURRENT_AVG_PHASE_3	416	UINT	4	ro	–	Durchschnittlicher Strom in [mA]
GD_ID_CM_ACTIVE_POWER	418	UINT	4	ro	–	Summe der Leistung in [mW]
GD_ID_CM_REACTIVE_POWER	420	UINT	4	ro	–	Summe der Blindleistung in [mVAR]
GD_ID_CM_APPARENT_POWER	422	UINT	4	ro	–	Summe der Scheinleistung in [mVA]
GD_ID_CM_POWER_FACTOR	424	UINT	4	ro	–	Leistungsfaktor
GD_ID_CM_MAIN_FREQUENCY	426	UINT	4	ro	–	Frequenz in [Hz]
GD_ID_CM_CONSUMED_ENERGY_LAST_CHARGING_WS	428	UINT	4	ro	–	Energieverbrauch des letzten Ladevorgangs [Ws]
GD_ID_CM_CONSUMED_ENERGY_LAST_CHARGING_WH	430	UINT	4	ro	–	Energieverbrauch des letzten Ladevorgangs [Wh]
GD_ID_CM_TEMPERATURE	432	INT	2	ro	–	Aktuelle Temperatur des Temperatursensors
GD_ID_CM_MEASURE_TYPE	434	UINT	1	ro	–	Aktuelles Messverfahren enum: 0 = Keins 1 = Intern 2 = Energiezähler
GD_ID_CM_ENERGY_METER_DETECTED	442	CHAR	21	ro	–	Gefundener Energiezähler
GD_ID_CM_CONSUMED_ENERGY_TOTAL_WS	453	UINT	8	ro	–	Gesamter Energieverbrauch in [Ws]
GD_ID_CM_CONSUMED_ENERGY_TOTAL_WH	457	UINT	8	ro	–	Gesamter Energieverbrauch in [Wh]
GD_ID_CM_HOUSE_VOLTAGE_PHASE_1	461	UINT	4	ro	–	Hausanschluss: Effektivwert der Spannung (RMS) in [mV]
GD_ID_CM_HOUSE_VOLTAGE_PHASE_2	463	UINT	4	ro	–	Hausanschluss: Effektivwert der Spannung (RMS) in [mV]
GD_ID_CM_HOUSE_VOLTAGE_PHASE_3	465	UINT	4	ro	–	Hausanschluss: Effektivwert der Spannung (RMS) in [mV]
GD_ID_CM_HOUSE_CURRENT_PHASE_1	467	INT	4	ro	–	Hausanschluss: Effektivwert des Stroms (RMS) in [mA]
GD_ID_CM_HOUSE_CURRENT_PHASE_2	469	INT	4	ro	–	Hausanschluss: Effektivwert des Stroms (RMS) in [mA]

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_CM_HOUSE_CURRENT_PHASE_3	471	INT	4	ro	–	Hausanschluss: Effektivwert des Stroms (RMS) in [mA]
GD_ID_CM_HOUSE_ACTIVE_POWER	473	INT	4	ro	–	Hausanschluss: Summe der Leistung in [mW]
GD_ID_CM_HOUSE_REACTIVE_POWER	475	INT	4	ro	–	Hausanschluss: Summe der Blindleistung in [mVAR]
GD_ID_CM_HOUSE_APPARENT_POWER	477	INT	4	ro	–	Hausanschluss: Summe der Scheinleistung in [mVA]
GD_ID_CM_HOUSE_POWER_FACTOR	479	INT	4	ro	–	Hausanschluss: Power Faktor
GD_ID_CM_HOUSE_MAIN_FREQUENZ	481	UINT	4	ro	–	Hausanschluss: Frequenz in [Hz]
GD_ID_CM_HOUSE_CONSUMED_ENERGY_TOTAL	483	INT	8	ro	–	Hausanschluss: Gesamter Energieverbrauch in [mWh]
GD_ID_CM_EXTERNAL_MEASURE_SELECTION	495	INT	1	rw	Nicht flüchtig	Messtyp des externen Energiezählers 0 = Energiemeter 1 = Modbus TCP
GD_ID_MBS_SLAVE_ADDRESS	500	UINT	2	rw	Nicht flüchtig	Externe RS485-Schnittstelle: Slave-Adresse
GD_ID_MBS_BAUDRATE	501	UINT	4	rw	Nicht flüchtig	Externe RS485-Schnittstelle: Baudrate
GD_ID_MBS_PARITY	503	UINT	2	rw	Nicht flüchtig	Externe RS485-Schnittstelle: Parität
GD_ID_MBS_TERMINATING_RESISTOR	504	UINT	1	rw	Nicht flüchtig	Terminierungswiderstand für externe RS485-Schnittstelle
GD_ID_AUT_EVSE_CURRENT_LIMIT	700	UINT	1	ro	–	Leistungslimit der Wallbox in [A]
GD_ID_AUT_INSTALLATION_CURRENT_LIMIT	701	UINT	1	rw	Nicht flüchtig	Obergrenze des Ladestroms in [A] bei Installation
GD_ID_AUT_USER_CURRENT_LIMIT	702	UINT	1	rw	Nicht flüchtig	Benutzervorgabe Stromlimit in [A]
GD_ID_AUT_PLUG_AND_CHARGE_ACTIVE	704	UINT	1	rw	Nicht flüchtig	0 = PlugAndCharge deaktiviert, 1 = PlugAndCharge aktiv (PlugAndCharge = Laden ohne Autorisierung)
GD_ID_AUT_EXTERNAL_ENABLE_CHARGING	705	UINT	1	rw	Flüchtig	Externe Ladefreigabe (Webseite, App, Modbus) 0 = Keine 1 = Akzeptiert (extern) 2 = Whitelist akzeptiert 3 = Whitelist abgelehnt
GD_ID_AUT_OCPP_ENABLE_CHARGING	706	UINT	1	ro	–	Ladefreigabe per OCPP
GD_ID_AUT_AVAILABILITY	707	UINT	1	rw	Nicht flüchtig	Vorgabe Station verfügbar / Wartungsmodus
GD_ID_AUT_MAX_CURRENT_ASYMMETRICAL	708	UINT	1	rw	Nicht flüchtig	Maximale Schiefast in [A]
GD_ID_AUT_USED_METHOD	709	UINT	1	ro	–	Verwendete Autorisierungsmethode: 0 = Keine 1 = PlugAndCharge 2 = RFID 3 = Extern 4 = Schlüsselschalter 5 = OCPP

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_AUT_RFID_ALLOWED	710	UINT	1	rw	Nicht flüchtig	Ladefreigabe darf per RFID gegeben werden
GD_ID_AUT_EXTERNAL_ALLOWED	711	UINT	1	rw	Nicht flüchtig	Ladefreigabe darf per externer Quelle gegeben werden (App, Webserver, Modbus)
GD_ID_AUT_KEYSWITCH_ALLOWED	712	UINT	1	rw	Nicht flüchtig	Ladefreigabe darf per Schlüsselschalter gegeben werden
GD_ID_AUT_PLC_ALLOWED	713	UINT	1	rw	Nicht flüchtig	Ladefreigabe darf über Powerline-Kommunikation gegeben werden
GD_ID_AUT_CURRENT_LIMIT_REASON	714	UINT	1	ro	–	Begrenzender Faktor der Stromvorgabe
GD_ID_AUT_CURRENT_LIMIT_MINIMAL	715	UINT	1	ro	–	Geringstes Stromlimit (ohne LCM)
GD_ID_AUT_CHARGING_ID	716	UINT	4	ro	–	Fortlaufende Nummer des Ladevorgangs
GD_ID_AUT_LOCAL_AUTH_TAG	790	CHAR	20	rw	Nicht flüchtig	OCPP-Tag für lokale Autorisierung
GD_ID_SC_WEB_IP0	800	UINT	1	rw	Nicht flüchtig	IP-Adresse Teil 1
GD_ID_SC_WEB_IP1	801	UINT	1	rw	Nicht flüchtig	IP-Adresse Teil 2
GD_ID_SC_WEB_IP2	802	UINT	1	rw	Nicht flüchtig	IP-Adresse Teil 3
GD_ID_SC_WEB_IP3	803	UINT	1	rw	Nicht flüchtig	IP-Adresse Teil 4
GD_ID_SC_WEB_SUB0	804	UINT	1	rw	Nicht flüchtig	Subnetzmaske Teil 1
GD_ID_SC_WEB_SUB1	805	UINT	1	rw	Nicht flüchtig	Subnetzmaske Teil 2
GD_ID_SC_WEB_SUB2	806	UINT	1	rw	Nicht flüchtig	Subnetzmaske Teil 3
GD_ID_SC_WEB_SUB3	807	UINT	1	rw	Nicht flüchtig	Subnetzmaske Teil 4
GD_ID_SC_NET_DEFAULT_GATEWAY0	808	UINT	1	rw	Nicht flüchtig	Standard-Gateway Teil 1
GD_ID_SC_NET_DEFAULT_GATEWAY1	809	UINT	1	rw	Nicht flüchtig	Standard-Gateway Teil 2
GD_ID_SC_NET_DEFAULT_GATEWAY2	810	UINT	1	rw	Nicht flüchtig	Standard-Gateway Teil 3
GD_ID_SC_NET_DEFAULT_GATEWAY3	811	UINT	1	rw	Nicht flüchtig	Standard-Gateway Teil 4
GD_ID_SC_NET_DNS0	812	UINT	1	rw	Nicht flüchtig	DNS-Server-IP Teil 1
GD_ID_SC_NET_DNS1	813	UINT	1	rw	Nicht flüchtig	DNS-Server-IP Teil 2
GD_ID_SC_NET_DNS2	814	UINT	1	rw	Nicht flüchtig	DNS-Server-IP Teil 3
GD_ID_SC_NET_DNS3	815	UINT	1	rw	Nicht flüchtig	DNS-Server-IP Teil 4
GD_ID_SC_NET_ENABLE_DHCP	816	UINT	1	rw	Nicht flüchtig	DHCP aktiv 0 = Inaktiv 1 = Aktiv
GD_ID_SC_NET_MAC	817	OBJECT	6	ro	–	MAC-Adresse
GD_ID_SC_NET_DEVICE_NAME	820	CHAR	20	rw	Nicht flüchtig	Gerätename
GD_ID_SC_FW_VERSION	846	CHAR	12	ro	–	Firmware-Version
GD_ID_SC_HW_VERSION	852	CHAR	12	ro	–	Hardware-Version
GD_ID_SC_WM_ARTICLENUMBER	875	CHAR	10	ro	–	Artikelnummer
GD_ID_SC_WM_SERIALNUMBER	880	CHAR	15	ro	–	Seriennummer
GD_ID_SC_WM_HWREVISION	888	CHAR	2	ro	–	Hardware-Revision
GD_ID_SC_TIMESTAMP_UTC	889	INT	8	rw	Nicht flüchtig	Unix-UTC-Zeitstempel in Sekunden

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GD_ID_SC_TIMESTAMP_LO-CAL	893	INT	8	ro	–	Unix-Lokaler-Zeitstempel in Sekunden
GD_ID_SC_TIMEZONE_POSIX	897	CHAR	46	rw	Nicht flüchtig	Zeitzone im POSIX-Format
GD_ID_SC_RESTART	920	UINT	1	rw	Flüchtig	Restart flag (das System startet neu)
GD_ID_SC_BOOTLOADER_VERSION	921	CHAR	10	ro	–	Bootloader-Version
GD_ID_SC_SYSTEM_RESET	926	UINT	1	rw	Flüchtig	Reset flag (das System wird auf die Werks-einstellungen zurückgesetzt)
GD_ID_SC_POWER_CYCLE_COUNTER	927	UINT	1	rw	Nicht flüchtig	Anzahl der Neustarts (nach einer Minute wird die Anzahl zurückgesetzt)
GD_ID_SC_DEBUG_LOG	928	UINT	1	rw	Nicht flüchtig	Aktiviert den Debug log (EVSE Zustände und andere Meldungen)
GD_ID_SC_NTP_SERVER	929	CHAR	32	rw	Nicht flüchtig	NTP-Server
GD_ID_SC_CERT_NAME_1	945	CHAR	32	ro	–	Name des Zertifikats
GD_ID_SC_CERT_NAME_2	961	CHAR	32	ro	–	Name des Zertifikats
GD_ID_SC_CERT_NAME_3	977	CHAR	32	ro	–	Name des Zertifikats
GD_ID_SC_VARIANT	993	UINT	1	ro	–	Produktlinie 0 = Eco 1 = Value 2 = Advanced
GD_ID_SC_FIRMWAREUP-LOAD_STATUS	994	UINT	1	rw	Flüchtig	Upload-Status der Firmware
GD_ID_SC_MODBUS_SOCKET_INTERFACE	995	UINT	1	rw	Nicht flüchtig	Interface für Modbus TCP 0 = Ethernet 1 = Wifi
GD_ID_RFID_TAG_UID	1000	CHAR	21	rw	Flüchtig	UID des RFID-Tags, der zuletzt gefunden wurde
GD_ID_RFID_DELETE_TAG	1011	CHAR	21	rw	Flüchtig	UID des RFID-Tags, der gelöscht werden soll
GD_ID_RFID_LEARN_NEW_TAG	1022	UINT	1	rw	Flüchtig	Modus für das Registrieren von RFID-Tags: Der nächste RFID-Tag, der vor die Interaktionsfläche der Wallbox gehalten wird, wird der Whitelist hinzugefügt. Wenn innerhalb von 60 Sekunden kein RFID-Tag erkannt wird, dann wird der Modus beendet.
GD_ID_RFID_UNLEARN_NEW_TAG	1023	UINT	1	rw	Flüchtig	Modus für das Entfernen von RFID-Tags: Der nächste RFID-Tag, der vor die Interaktionsfläche der Wallbox gehalten wird, wird von der Whitelist entfernt. Wenn innerhalb von 60 Sekunden kein RFID-Tag erkannt wird, dann wird der Modus beendet.
GD_ID_RFID_EXTERNAL_WHITELIST	1024	UINT	1	rw	Nicht flüchtig	Aktiviert / Deaktiviert die externe Whitelist
GD_ID_RFID_POWER_OPTION	1025	UINT	1	rw	Nicht flüchtig	Powermodus des RFID Moduls 0 = Halbe Leistung 1 = Volle Leistung
GD_ID_RFID_WL_UID_0	1100	CHAR	21	rw	Nicht flüchtig	UID 0
GD_ID_RFID_WL_NAME_0	1111	CHAR	21	rw	Nicht flüchtig	Tag-Name 0

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GD_ID_RFID_WL_STATUS_0	1122	UINT	1	rw	Nicht flüchtig	Status 0
GD_ID_RFID_WL_UID_1	1140	CHAR	21	rw	Nicht flüchtig	UID 1
GD_ID_RFID_WL_NAME_1	1151	CHAR	21	rw	Nicht flüchtig	Tag-Name 1
GD_ID_RFID_WL_STATUS_1	1162	UINT	1	rw	Nicht flüchtig	Status 1
GD_ID_RFID_WL_UID_2	1180	CHAR	21	rw	Nicht flüchtig	UID 2
GD_ID_RFID_WL_NAME_2	1191	CHAR	21	rw	Nicht flüchtig	Tag-Name 2
GD_ID_RFID_WL_STATUS_2	1202	UINT	1	rw	Nicht flüchtig	Status 2
GD_ID_RFID_WL_UID_3	1220	CHAR	21	rw	Nicht flüchtig	UID 3
GD_ID_RFID_WL_NAME_3	1231	CHAR	21	rw	Nicht flüchtig	Tag-Name 3
GD_ID_RFID_WL_STATUS_3	1242	UINT	1	rw	Nicht flüchtig	Status 3
GD_ID_RFID_WL_UID_4	1260	CHAR	21	rw	Nicht flüchtig	UID 4
GD_ID_RFID_WL_NAME_4	1271	CHAR	21	rw	Nicht flüchtig	Tag-Name 4
GD_ID_RFID_WL_STATUS_4	1282	UINT	1	rw	Nicht flüchtig	Status 4
GD_ID_RFID_WL_UID_5	1300	CHAR	21	rw	Nicht flüchtig	UID 5
GD_ID_RFID_WL_NAME_5	1311	CHAR	21	rw	Nicht flüchtig	Tag-Name 5
GD_ID_RFID_WL_STATUS_5	1322	UINT	1	rw	Nicht flüchtig	Status 5
GD_ID_RFID_WL_UID_6	1340	CHAR	21	rw	Nicht flüchtig	UID 6
GD_ID_RFID_WL_NAME_6	1351	CHAR	21	rw	Nicht flüchtig	Tag-Name 6
GD_ID_RFID_WL_STATUS_6	1362	UINT	1	rw	Nicht flüchtig	Status 6
GD_ID_RFID_WL_UID_7	1380	CHAR	21	rw	Nicht flüchtig	UID 7
GD_ID_RFID_WL_NAME_7	1391	CHAR	21	rw	Nicht flüchtig	Tag-Name 7
GD_ID_RFID_WL_STATUS_7	1402	UINT	1	rw	Nicht flüchtig	Status 7
GD_ID_RFID_WL_UID_8	1420	CHAR	21	rw	Nicht flüchtig	UID 8
GD_ID_RFID_WL_NAME_8	1431	CHAR	21	rw	Nicht flüchtig	Tag-Name 8
GD_ID_RFID_WL_STATUS_8	1442	UINT	1	rw	Nicht flüchtig	Status 8
GD_ID_RFID_WL_UID_9	1460	CHAR	21	rw	Nicht flüchtig	UID 9
GD_ID_RFID_WL_NAME_9	1471	CHAR	21	rw	Nicht flüchtig	Tag-Name 9
GD_ID_RFID_WL_STATUS_9	1482	UINT	1	rw	Nicht flüchtig	Status 9
GD_ID_RFID_WL_UID_10	1500	CHAR	21	rw	Nicht flüchtig	UID 10
GD_ID_RFID_WL_NAME_10	1511	CHAR	21	rw	Nicht flüchtig	Tag-Name 10
GD_ID_RFID_WL_STATUS_10	1522	UINT	1	rw	Nicht flüchtig	Status 10
GD_ID_RFID_WL_UID_11	1540	CHAR	21	rw	Nicht flüchtig	UID 11
GD_ID_RFID_WL_NAME_11	1551	CHAR	21	rw	Nicht flüchtig	Tag-Name 11
GD_ID_RFID_WL_STATUS_11	1562	UINT	1	rw	Nicht flüchtig	Status 11
GD_ID_RFID_WL_UID_12	1580	CHAR	21	rw	Nicht flüchtig	UID 12
GD_ID_RFID_WL_NAME_12	1591	CHAR	21	rw	Nicht flüchtig	Tag-Name 12
GD_ID_RFID_WL_STATUS_12	1602	UINT	1	rw	Nicht flüchtig	Status 12
GD_ID_RFID_WL_UID_13	1620	CHAR	21	rw	Nicht flüchtig	UID 13
GD_ID_RFID_WL_NAME_13	1631	CHAR	21	rw	Nicht flüchtig	Tag-Name 13
GD_ID_RFID_WL_STATUS_13	1642	UINT	1	rw	Nicht flüchtig	Status 13
GD_ID_RFID_WL_UID_14	1660	CHAR	21	rw	Nicht flüchtig	UID 14
GD_ID_RFID_WL_NAME_14	1671	CHAR	21	rw	Nicht flüchtig	Tag-Name 14
GD_ID_RFID_WL_STATUS_14	1682	UINT	1	rw	Nicht flüchtig	Status 14
GD_ID_RFID_WL_UID_15	1700	CHAR	21	rw	Nicht flüchtig	UID 15
GD_ID_RFID_WL_NAME_15	1711	CHAR	21	rw	Nicht flüchtig	Tag-Name 15
GD_ID_RFID_WL_STATUS_15	1722	UINT	1	rw	Nicht flüchtig	Status 15
GD_ID_SC_DELETE_OCMF_LOG	5517	UINT	1	rw	Flüchtig	Löschen der Ladedaten

ro = read-only / nur lesen

rw = read-write / lesen und schreiben

Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_CM_REACTIVE_CURRENT_PHASE_1	5600	INT	4	ro	–	Blindstrom Phase 1
GD_ID_CM_REACTIVE_CURRENT_PHASE_2	5602	INT	4	ro	–	Blindstrom Phase 2
GD_ID_CM_REACTIVE_CURRENT_PHASE_3	5604	INT	4	ro	–	Blindstrom Phase 3
GD_ID_CM_MBM_TCP_IP	5606	CHAR	16	rw	Nicht flüchtig	IP-Adresse der externen Messstelle
GD_ID_CM_MBM_TCP_PORT	5614	UINT	2	rw	Nicht flüchtig	Port-Nummer der externen Messstelle
GD_ID_CM_MBM_TCP_METER_PRESELECTION	5615	UINT	1	rw	Nicht flüchtig	Vorauswahl für externe Messstelle 0 = Custom 2 = Kostal
GD_ID_CM_MBM_TCP_SLAVE_ID	5616	UINT	1	rw	Nicht flüchtig	Slave-ID der externen Messstelle
GD_ID_CM_MBM_TCP_REGISTER_TYPE	5617	UINT	1	rw	Nicht flüchtig	Registertyp 0 = Input 1 = Holding
GD_ID_CM_MBM_TCP_VOLTAGE_L1_REGISTER_ADDRESS	5650	UINT	2	rw	Nicht flüchtig	Adresse der Spannung auf L1
GD_ID_CM_MBM_TCP_VOLTAGE_L1_LENGTH	5651	UINT	1	rw	Nicht flüchtig	Länge der Spannung auf L1
GD_ID_CM_MBM_TCP_VOLTAGE_L1_POWER_OF_10	5652	INT	1	rw	Nicht flüchtig	Umwandlungspotenz
GD_ID_CM_MBM_TCP_VOLTAGE_L1_DATA_TYPE	5653	UINT	1	rw	Nicht flüchtig	Datentyp 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_VOLTAGE_L2_REGISTER_ADDRESS	5654	UINT	2	rw	Nicht flüchtig	Adresse der Spannung auf L2
GD_ID_CM_MBM_TCP_VOLTAGE_L2_LENGTH	5655	UINT	1	rw	Nicht flüchtig	Länge der Spannung auf L2
GD_ID_CM_MBM_TCP_VOLTAGE_L2_POWER_OF_10	5656	INT	1	rw	Nicht flüchtig	Umwandlungspotenz
GD_ID_CM_MBM_TCP_VOLTAGE_L2_DATA_TYPE	5657	UINT	1	rw	Nicht flüchtig	Datentyp 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_VOLTAGE_L3_REGISTER_ADDRESS	5658	UINT	2	rw	Nicht flüchtig	Adresse der Spannung auf L3
GD_ID_CM_MBM_TCP_VOLTAGE_L3_LENGTH	5659	UINT	1	rw	Nicht flüchtig	Länge der Spannung auf L3
GD_ID_CM_MBM_TCP_VOLTAGE_L3_POWER_OF_10	5660	INT	1	rw	Nicht flüchtig	Umwandlungspotenz
GD_ID_CM_MBM_TCP_VOLTAGE_L3_DATA_TYPE	5661	UINT	1	rw	Nicht flüchtig	Datentyp 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_CURRENT_L1_REGISTER_ADDRESS	5662	UINT	2	rw	Nicht flüchtig	Adresse des Stroms auf L1
GD_ID_CM_MBM_TCP_CURRENT_L1_LENGTH	5663	UINT	1	rw	Nicht flüchtig	Länge des Stroms auf L1
GD_ID_CM_MBM_TCP_CURRENT_L1_POWER_OF_10	5664	INT	1	rw	Nicht flüchtig	Umwandlungspotenz

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_CM_MBM_TCP_CURRENT_L1_DATA_TYPE	5665	UINT	1	rw	Nicht flüchtig	Datentyp 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_CURRENT_L2_REGISTER_ADDRESS	5666	UINT	2	rw	Nicht flüchtig	Adresse des Stroms auf L2
GD_ID_CM_MBM_TCP_CURRENT_L2_LENGTH	5667	UINT	1	rw	Nicht flüchtig	Länge des Stroms auf L2
GD_ID_CM_MBM_TCP_CURRENT_L2_POWER_OF_10	5668	INT	1	rw	Nicht flüchtig	Umwandlungspotenz
GD_ID_CM_MBM_TCP_CURRENT_L2_DATA_TYPE	5669	UINT	1	rw	Nicht flüchtig	Datentyp 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_CURRENT_L3_REGISTER_ADDRESS	5670	UINT	2	rw	Nicht flüchtig	Adresse des Stroms auf L3
GD_ID_CM_MBM_TCP_CURRENT_L3_LENGTH	5671	UINT	1	rw	Nicht flüchtig	Länge des Stroms auf L3
GD_ID_CM_MBM_TCP_CURRENT_L3_POWER_OF_10	5672	INT	1	rw	Nicht flüchtig	Umwandlungspotenz
GD_ID_CM_MBM_TCP_CURRENT_L3_DATA_TYPE	5673	UINT	1	rw	Nicht flüchtig	Datentyp 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_ACTIVE_POWER_REGISTER_ADDRESS	5674	UINT	2	rw	Nicht flüchtig	Adresse der Leistung
GD_ID_CM_MBM_TCP_ACTIVE_POWER_LENGTH	5675	UINT	1	rw	Nicht flüchtig	Länge der Leistung
GD_ID_CM_MBM_TCP_ACTIVE_POWER_POWER_OF_10	5676	INT	1	rw	Nicht flüchtig	Umwandlungspotenz
GD_ID_CM_MBM_TCP_ACTIVE_POWER_L3_DATA_TYPE	5677	UINT	1	rw	Nicht flüchtig	Datentyp 0 = Int 1 = Uint 2 = Float
GD_ID_WC_WIFI_SSID	6000	CHAR	32	rw	Nicht flüchtig	Aktuelle SSID
GD_ID_WC_WIFI_PASS	6016	CHAR	32	rw	Nicht flüchtig	Aktuelles Passwort
GD_ID_WC_WIFI_ACTIVATE_PAIR_MODE	6032	UINT	1	rw	Flüchtig	Aktiviere Kopplungsmodus
GD_ID_WC_WIFI_START_SCAN	6033	UINT	1	rw	Flüchtig	Starte den WLAN-Scan
GD_ID_WC_WIFI_CONNECT	6034	UINT	1	rw	Flüchtig	Verbinde mit dem konfigurierten WLAN
GD_ID_WC_WIFI_DISCONNECT	6035	UINT	1	rw	Flüchtig	Trenne die WLAN-Verbindung
GD_ID_WC_CLEAR_BONDDDB	6036	UINT	1	rw	Flüchtig	Lösche das Bluetooth-Bonding DB
GD_ID_WC_WIFI_SLEEP	6037	UINT	1	rw	Flüchtig	WLAN-Sleep-Modus
GD_ID_WC_SCANNED_SSID	6500	CHAR	512	ro	–	Gefundene SSIDs (durch Komma getrennt)
GD_ID_WC_WLAN_MAC	6756	CHAR	18	ro	–	WLAN-MAC-Adresse
GD_ID_WC_BT_MAC	6765	CHAR	18	ro	–	Bluetooth-MAC-Adresse
GD_ID_WC_IP_ADDRESS	6774	CHAR	16	ro	–	WLAN-IP-Adresse

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_WC_NET_MASK	6782	CHAR	16	ro	–	WLAN-Subnetzmaske
GD_ID_WC_GATEWAY	6790	CHAR	16	ro	–	WLAN-Standard-Gateway
GD_ID_WC_WIFI_VERSION	6798	CHAR	8	ro	–	WLAN-Firmware-Version
GD_ID_WC_WIFI_CONN_STATUS	6802	UINT	1	ro	–	WLAN-Verbindungsstatus: 0 = Getrennt 1 = Verbindung wird hergestellt 2 = Verbunden 3 = IP ist zugewiesen 4 = Schlafend
GD_ID_WC_BT_CONN_STATUS	6804	UINT	1	ro	–	Bluetooth-Verbindungsstatus: 0 = Nicht verbend 1 = Verbend 2 = Koppelbar 3 = Koppelung wird hergestellt 4 = Verbunden 5 = Binär-Modus, schlafend
GD_ID_WC_IS_PAIR_MODE_ACTIVE	6806	UINT	1	ro	–	Bluetooth-Kopplungsmodus aktiv
GD_ID_WC_WLAN_RSSI	6807	INT	1	ro	–	Empfangsstärke WLAN (dB)
GD_ID_WC_BT_RSSI	6808	INT	1	ro	–	Empfangsstärke Bluetooth (dB)
GD_ID_WC_BT_VERSION	6812	CHAR	16	ro	–	Bluetooth-Firmware-Version
GD_ID_PLC_BOOTLOADER_VERSION	6903	CHAR	10	ro	–	Powerline-Kommunikation Bootloaderversion
GD_ID_PLC_APPLICATION_VERSION	6909	CHAR	10	ro	–	Powerline-Kommunikation Firmware-Version
GD_ID_PLC_CAR_MAC	6915	CHAR	18	ro	–	MAC-Adresse des Fahrzeugs, die per Powerline-Kommunikation ausgelesen wurde
GD_ID_OCPP_SERVER_ADDRESS	7100	CHAR	64	rw	Nicht flüchtig	OCPP-Serveradresse
GD_ID_OCPP_SERVER_PORT	7132	UINT	2	rw	Nicht flüchtig	OCPP-Server-Port
GD_ID_OCPP_SERVER_PATH	7133	CHAR	128	rw	Nicht flüchtig	OCPP-Serverpfad
GD_ID_OCPP_SERVER_ENCRYPTION	7197	UINT	1	rw	Nicht flüchtig	HTTPS aktiv
GD_ID_OCPP_SERVER_PASSWORD	7198	CHAR	21	rw	Nicht flüchtig	OCPP-Passwort
GD_ID_OCPP_ENABLE_OCPP	7209	UINT	1	rw	Nicht flüchtig	Aktiviert oder deaktiviert OCPP (Neustart erforderlich)
GD_ID_OCPP_SERVER_CHECK_CERT	7210	UINT	1	rw	Nicht flüchtig	Aktiviert die Überprüfung der Zertifikate
GD_ID_OCPP_SOCKET_INTERFACE	7211	UINT	1	rw	Nicht flüchtig	Konfiguriertes Ping-Intervall in [s]
GD_ID_OCPP_REDUCED_LOGS	7212	UINT	1	rw	Nicht flüchtig	Reduziert die Log-Einträge
GD_ID_OCPP_PING_INTERVAL	7300	UINT	4	rw	Nicht flüchtig	Konfiguriertes Ping-Intervall in [s]
GD_ID_OCPP_CONNECTION_TIMEOUT	7302	UINT	4	rw	Nicht flüchtig	Zeit in [s], nachdem eine Autorisierung zurückgezogen wird, falls kein Ladevorgang gestartet wurde
GD_ID_OCPP_HEARTBEAT_INTERVAL	7306	UINT	4	rw	Nicht flüchtig	Intervall in [s], in dem Heartbeat-Nachrichten gesendet werden sollen
GD_ID_OCPP_METER_VALUE_SAMPLE_INTERVAL	7308	UINT	4	rw	Nicht flüchtig	Intervall in [s], in dem Messwerte des Energiezählers gesendet werden sollen

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_OCPP_NUMBER_OF_CONNECTORS	7310	UINT	4	ro	–	Anzahl an physischen Ladepunkte an der Ladestation
GD_ID_OCPP_TRANSACTION_MESSAGE_ATTEMPTS	7312	UINT	4	rw	Nicht flüchtig	Anzahl an Versuchen eine Nachricht zu senden
GD_ID_OCPP_TRANSACTION_MESSAGE_RETRY_INTERVAL	7314	UINT	4	rw	Nicht flüchtig	Zeit in [s], bis eine Nachricht erneut gesendet wird, wenn keine Antwort empfangen wurde
GD_ID_OCPP_VENDOR	7316	CHAR	40	rw	Nicht flüchtig	OCPP Vendor (wird in BootNotification verwendet)
GD_ID_OCPP_MODEL	7336	CHAR	40	rw	Nicht flüchtig	OCPP Model (wird in BootNotification verwendet)
GD_ID_OCPP_CLOCK_ALIGNED_DATA_INTERVAL	7357	UINT	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_GET_CONFIGURATION_MAX_KEYS	7358	UINT	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_LOCAL_AUTHORIZE_OFFLINE	7359	BOOL	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_LOCAL_PRE_AUTHORIZE	7360	BOOL	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_METER_VALUES_ALIGNED_DATA	7361	CHAR	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_METER_VALUES_SAMPLED_DATA	7362	CHAR	164	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_RESET_RETRIES	7500	UINT	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_CONNECTOR_PHASE_ROTATION	7501	CHAR	13	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_STOP_TRANSACTION_ON_EVSIDE_DISCONNECT	7514	BOOL	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_STOP_TRANSACTION_ON_INVALID_ID	7515	BOOL	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_STOP_TXN_ALIGNED_DATA	7516	CHAR	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_STOP_TXN_SAMPLED_DATA	7517	CHAR	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_SUPPORTED_FEATURE_PROFILES	7518	CHAR	4	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_UNLOCK_CONNECTOR_ON_EVSIDE_DISCONNECT	7522	BOOL	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_OCPP_AUTHORIZEREMOTEXREQUESTS	7523	BOOL	1	ro	–	OCPP-Konfigurationsschlüssel
GD_ID_MDM_APN	8000	CHAR	32	rw	Nicht flüchtig	Mobile-Provider-APN-String
GD_ID_MDM_USER	8032	CHAR	16	rw	Nicht flüchtig	Mobile-Provider-User
GD_ID_MDM_PASS	8040	CHAR	16	rw	Nicht flüchtig	Mobile-Provider-Passwort
GD_ID_MDM_PIN	8048	CHAR	9	rw	Nicht flüchtig	SIM-Karte PIN-Code
GD_ID_MDM_CONNECTION_MODE	8053	UINT	1	rw	Nicht flüchtig	Verbindungsart (Default: 4G + 2G fallback) 0 = LTEM1_GSM 1 = LTEM1_GSM_NB1 2 = LTEM1_NB1_GSM 3 = LTEM1 4 = GSM 5 = LTEM1

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_MDM_ICCID	8500	CHAR	23	ro	–	Sim-Karte (ICCID String mit Verifizierungszahl)
GD_ID_MDM_IMEI	8512	CHAR	16	ro	–	Modem IMEI-String
GD_ID_MDM_CARRIER	8528	CHAR	21	ro	–	Mobile-Provider-Long-Name-String
GD_ID_MDM_FW_VER	8539	CHAR	7	ro	–	Modem-Firmware-Version-String
GD_ID_MDM_RSSI	8543	INT	2	ro	–	Signalstärke der Verbindung an mobilem Netzwerk [dBm]
GD_ID_MDM_STATUS	8545	UINT	1	ro	–	Zustand der mobilen Verbindung 0 = Getrennt (Default-Zustand) 1 = Registriert (An konfiguriertem Provider registriert) 2 = Suchend (Getrennt, aber auf der Suche nach Provider) 3 = Abgelehnt (Von Provider abgelehnt) 4 = Unbekannt (z.B. außerhalb der Reichweite) 5 = Roaming (Als Roaming registriert)
GD_ID_MDM_NETWORK_TYPE	8546	UINT	1	ro	–	Art des verbundenen Netzwerks 0 = DISCONNECTED 1 = GSM 2 = GSM_GPRS 3 = LTE_CATM1 4 = LTE_CATNB1
GD_ID_ERM_MODBUS_0	10000	UINT	8	ro	–	Fehlercode Hot-One kodiert
GD_ID_ERM_LIVE_0	10010	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_1	10044	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_2	10078	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_3	10112	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_4	10146	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_5	10180	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_6	10214	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_7	10248	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_8	10282	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_9	10316	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_10	10350	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_11	10384	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_12	10418	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_13	10452	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_14	10486	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_15	10520	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_16	10554	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_17	10588	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_18	10622	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_ERM_LIVE_19	10656	OBJECT	67	ro	–	Eintrag in Fehlerliste (Objekt)
GD_ID_LCM_SLAVE	11000	UINT	1	rw	Nicht flüchtig	Gerät ist Satellitenbox
GD_ID_LCM_MASTER	11001	UINT	1	rw	Nicht flüchtig	Gerät ist Steuerbox
GD_ID_LCM_GLOBAL_CURRENT_LIMIT	11002	UINT	2	rw	Nicht flüchtig	Globales Stromlimit für das gesamte Ladenetz
GD_ID_LCM_DYNAMIC	11004	UINT	1	rw	Nicht flüchtig	Aktiviert das dynamische LCM
GD_ID_LCM_PV_CHARGING	11005	UINT	1	rw	Nicht flüchtig	Aktiviert PV-optimiertes Laden (nur in der Steuerbox relevant)

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_LCM_CHARGE_MODE	11008	UINT	1	rw	Nicht flüchtig	Lademodus, mit dem der Ladevorgang gestartet wird 0 = Booster 1 = Mixed 2 = Pure
GD_ID_LCM_SWITCH_MODE	11009	UINT	1	rw	Nicht flüchtig	Lademodus nach Booster 1 = Mixed 2 = Pure
GD_ID_LCM_SWITCH_REASON	11010	UINT	1	rw	Nicht flüchtig	Grund, warum Booster verlassen wird 0 = Nicht verlassen 1 = Dauer 2 = Energie
GD_ID_LCM_SWITCH_REASON_DURATION	11011	UINT	4	rw	Nicht flüchtig	Ladedauer im Booster-Modus in [min]
GD_ID_LCM_SWITCH_REASON_ENERGY	11013	UINT	4	rw	Nicht flüchtig	Energie im Booster-Modus in [kWh]
GD_ID_LCM_MINIMAL_CHARGE_CURRENT	11015	UINT	1	rw	Nicht flüchtig	Minimaler Strom im Mixed-Modus in [A]
GD_ID_LCM_MINIMAL_PHASES	11016	UINT	1	rw	Nicht flüchtig	Minimale Anzahl an Phasen im Mixed-Modus 0 = 1-phasig 1 = 3-phasig
GD_ID_LCM_TIMEOUT	11050	UINT	4	rw	Flüchtig	Timeout der Satellitenbox
GD_ID_LCM_ACTUAL_CURRENT_LIMIT	11052	UINT	1	rw	Flüchtig	Stromvorgabe durch Last- und Lademanagement
GD_ID_LCM_MASTER_ERROR	11053	UINT	1	rw	Flüchtig	Fehler bei der Steuerbox, der zum Ladeabbruch bei Satellitenbox führt
GD_ID_LCM_FALLBACK_CURRENT	11054	UINT	1	rw	Flüchtig	Stromstärke in [A], mit der weitergeladen wird, wenn die Verbindung zur Steuerbox unterbrochen ist
GD_ID_LCM_CURRENT_CHARGE_MODE	11055	UINT	1	ro	–	Aktueller Lademodus 0 = Booster 1 = Mixed 2 = Pure
GD_ID_RC_SLAVE1_IP	12000	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE2_IP	12008	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE3_IP	12016	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE4_IP	12024	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE5_IP	12032	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE6_IP	12040	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE7_IP	12048	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE8_IP	12056	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE9_IP	12064	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE10_IP	12072	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE11_IP	12080	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE12_IP	12088	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE13_IP	12096	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE14_IP	12104	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE15_IP	12112	CHAR	16	rw	Nicht flüchtig	IP-Adresse der Satellitenbox
GD_ID_RC_SLAVE1_CONNECTED	12120	UINT	1	ro	–	Satellitenbox ist verbunden

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Registername	ID	Datentyp	Bytes	Zugriff	Schreibfunktion	Beschreibung
GD_ID_RC_SLAVE2_CONNECTED	12121	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE3_CONNECTED	12122	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE4_CONNECTED	12123	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE5_CONNECTED	12124	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE6_CONNECTED	12125	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE7_CONNECTED	12126	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE8_CONNECTED	12127	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE9_CONNECTED	12128	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE10_CONNECTED	12129	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE11_CONNECTED	12130	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE12_CONNECTED	12131	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE13_CONNECTED	12132	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE14_CONNECTED	12133	UINT	1	ro	–	Satellitenbox ist verbunden
GD_ID_RC_SLAVE15_CONNECTED	12134	UINT	1	ro	–	Satellitenbox ist verbunden

ro = read-only / nur lesen

rw = read-write / lesen und schreiben

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Modbus registers – AC SMART



Since the write cycles of the non-volatile registers are limited, these registers must not be written cyclically, e.g. every second or every minute.

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_DIN_FUNCTION_1	100	UINT	1	rw	Non-volatile	Function of the digital input: 0 = Authorisation of charging process 1 = Current setting 0% 2 = Current setting 30% 3 = Current setting 50% 4 = Current setting 60% 5 = Current setting 100%
GD_ID_DIN_FUNCTION_2	101	UINT	1	rw	Non-volatile	Function of the digital input: 0 = Authorisation of charging process 1 = Current setting 0% 2 = Current setting 30% 3 = Current setting 50% 4 = Current setting 60% 5 = Current setting 100%
GD_ID_DIN_FUNCTION_3	102	UINT	1	rw	Non-volatile	Function of the digital input: 0 = Authorisation of charging process 1 = Current setting 0% 2 = Current setting 30% 3 = Current setting 50% 4 = Current setting 60% 5 = Current setting 100%
GD_ID_DIN_FUNCTION_4	103	UINT	1	rw	Non-volatile	Function of the digital input: 0 = Authorisation of charging process 1 = Current setting 0% 2 = Current setting 30% 3 = Current setting 50% 4 = Current setting 60% 5 = Current setting 100%
GD_ID_DIN_FUNCTION_5	104	UINT	1	rw	Non-volatile	Function of the digital input: 0 = Authorisation of charging process 1 = Current setting 0% 2 = Current setting 30% 3 = Current setting 50% 4 = Current setting 60% 5 = Current setting 100%
GD_ID_DIN_FUNCTION_ACTIVE_1	105	UINT	1	rw	Non-volatile	Function of the input is active 0 = inactive 1 = active
GD_ID_DIN_FUNCTION_ACTIVE_2	106	UINT	1	rw	Non-volatile	Function of the input is active 0 = inactive 1 = active
GD_ID_DIN_FUNCTION_ACTIVE_3	107	UINT	1	rw	Non-volatile	Function of the input is active 0 = inactive 1 = active
GD_ID_DIN_FUNCTION_ACTIVE_4	108	UINT	1	rw	Non-volatile	Function of the input is active 0 = inactive 1 = active

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_DIN_FUNCTION_ACTIVE_5	109	UINT	1	rw	Non-volatile	Function of the input is active 0 = inactive 1 = active
GD_ID_DIN_RCR_MONITORING	110	UINT	1	rw	Non-volatile	Activates or deactivates the monitoring of the digital inputs. If monitoring is active, an error is reported if exactly one digital input is not active that is selected as current reduction.
GD_ID_DIN_CURRENT_REDUCTION	111	UINT	1	ro	–	Current reduction by the digital inputs in percent
GD_ID_DIN_ENABLE_CHARGING	113	UINT	1	ro	–	Current state of the charging function, authorisation via digital input
GD_ID_DIN_STATUS_1	114	UINT	1	ro	–	Status of input 0 = low 1 = high
GD_ID_DIN_STATUS_2	115	UINT	1	ro	–	Status of input 0 = low 1 = high
GD_ID_DIN_STATUS_3	116	UINT	1	ro	–	Status of input 0 = low 1 = high
GD_ID_DIN_STATUS_4	117	UINT	1	ro	–	Status of input 0 = low 1 = high
GD_ID_DIN_STATUS_5	118	UINT	1	ro	–	Status of input 0 = low 1 = high
GD_ID_OUT_FUNCTION	200	UINT	1	rw	Non-volatile	Function of digital output 0 = no function 1 = active when vehicle in state C
GD_ID_OUT_LED_BRIGHTNESS	201	UINT	1	rw	Non-volatile	Brightness of status LED and RFID LED in percent
GD_ID_OUT_LED_INACTIVITY_TIME	202	UINT	1	rw	Non-volatile	Time in minutes after which the LEDs are switched off in case of inactivity.
GD_ID_OUT_LED_INACTIVITY_ENABLE	203	UINT	1	rw	Non-volatile	Function: LED inactivity 0 = inactive 1 = active
GD_ID_EVCC_ACTUAL_CURRENT_SETTING	300	UINT	1	ro	–	Current strength in [A] specified for the vehicle
GD_ID_EVCC_CAR_STATE	301	CHAR	1	ro	–	Vehicle state enum/ASCII 65 = A 66 = B 67 = C 68 = D 69 = E 70 = F

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_EVCC_EVSE_STATE	302	UINT	1	ro	–	State of charge state machine (state machine, enum): 0 = idle state, no vehicle connected, no error 1 = Locking charge cable 2 = Releasing charge cable 3 = Waiting for authorisation 4 = Performing RCMB self-test 5 = Vehicle is connected (B1) 6 = State B2 7 = Wakeup, negative voltage 8 = Wakeup, no voltage 9 = Check whether vehicle is awake after negative voltage 10 = Check whether vehicle is awake after no voltage 11 = Charging in progress (C2) 12 = Charging paused (C2) 13 = Cable disconnected, during PWM (A2) 14 = Error state (-12 V) 15 = There is an error causing charging to stop (12 V)
GD_ID_EVCC_RELAIS_ACITVE	303	UINT	1	ro	–	State of relay 0 = inactive 1 = active
GD_ID_EVCC_PWM_ACTIVE	304	UINT	1	ro	–	CP-PWM on the vehicle is active
GD_ID_EVCC_CHARGING_TIME	305	UINT	4	ro	–	Duration of the charging process in seconds (authorisation to de-authorisation)
GD_ID_EVCC_CHARGING_STATION_AVAILABLE	307	UINT	1	ro	–	Station available / maintenance mode 1 = available
GD_ID_EVCC_CABLE_CURRENT_LIMIT	308	INT	1	ro	–	PP current setting of the cable in A, (-1 in case of error)
GD_ID_EVCC_LOCKING_CLOSED	309	UINT	1	ro	–	Lock closed
GD_ID_EVCC_ENABLE_CHARGING	310	UINT	1	ro	–	Charge release has been given
GD_ID_EVCC_CABLE	311	UINT	1	ro	–	0 = PLUG (permanently attached cable) 1 = SOCKET (socket only)
GD_ID_EVCC_PHASES	317	UINT	1	rw	Non-volatile	Switching between 1-phase and 3-phase charging 0 = 1-phase 1 = 3-phase
GD_ID_EVCC_PHASES_LLM	318	UINT	1	rw	Volatile	Phase switching from load/charge management
GD_ID_EVCC_INSTALLED_PHASES	319	UINT	1	ro	–	Number of phases installed (enum: 0:1-phase)
GD_ID_EVCC_RELAIS_COUNTER	320	UINT	4	ro	–	Number of times the relay was switched under load
GD_ID_EVCC_CONNECTION_DURATION	322	UINT	4	ro	–	Duration in seconds of how long a vehicle is connected
GD_ID_CM_VOLTAGE_PHASE_1	400	UINT	4	ro	–	Voltage root mean square value (RMS) in [mV]

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_CM_VOLTAGE_PHASE_2	402	UINT	4	ro	–	Voltage root mean square value (RMS) in [mV]
GD_ID_CM_VOLTAGE_PHASE_3	404	UINT	4	ro	–	Voltage root mean square value (RMS) in [mV]
GD_ID_CM_CURRENT_PHASE_1	406	UINT	4	ro	–	Current root mean square value (RMS) in [mA]
GD_ID_CM_CURRENT_PHASE_2	408	UINT	4	ro	–	Current root mean square value (RMS) in [mA]
GD_ID_CM_CURRENT_PHASE_3	410	UINT	4	ro	–	Current root mean square value (RMS) in [mA]
GD_ID_CM_CURRENT_AVG_PHASE_1	412	UINT	4	ro	–	Average current in [mA]
GD_ID_CM_CURRENT_AVG_PHASE_2	414	UINT	4	ro	–	Average current in [mA]
GD_ID_CM_CURRENT_AVG_PHASE_3	416	UINT	4	ro	–	Average current in [mA]
GD_ID_CM_ACTIVE_POWER	418	UINT	4	ro	–	Sum of power in [mW]
GD_ID_CM_REACTIVE_POWER	420	UINT	4	ro	–	Sum of reactive power in [mVAR]
GD_ID_CM_APPARENT_POWER	422	UINT	4	ro	–	Sum of apparent power in [mVA]
GD_ID_CM_POWER_FACTOR	424	UINT	4	ro	–	Power factor
GD_ID_CM_MAIN_FREQUENCY	426	UINT	4	ro	–	Frequency in [Hz]
GD_ID_CM_CONSUMED_ENERGY_LAST_CHARGING_WS	428	UINT	4	ro	–	Energy consumption of last charge [Ws]
GD_ID_CM_CONSUMED_ENERGY_LAST_CHARGING_WH	430	UINT	4	ro	–	Energy consumption of last charge [Wh]
GD_ID_CM_TEMPERATURE	432	INT	2	ro	–	Current temperature of the temperature sensor
GD_ID_CM_MEASURE_TYPE	434	UINT	1	ro	–	Current measurement method enum: 0 = none 1 = internal 2 = energy meter
GD_ID_CM_ENERGY_METER_DETECTED	442	CHAR	21	ro	–	Energy meter found
GD_ID_CM_CONSUMED_ENERGY_TOTAL_WS	453	UINT	8	ro	–	Total energy consumption in [Ws]
GD_ID_CM_CONSUMED_ENERGY_TOTAL_WH	457	UINT	8	ro	–	Total energy consumption in [Wh]
GD_ID_CM_HOUSE_VOLTAGE_PHASE_1	461	UINT	4	ro	–	House connection: Voltage root mean square value (RMS) in [mV]
GD_ID_CM_HOUSE_VOLTAGE_PHASE_2	463	UINT	4	ro	–	House connection: Voltage root mean square value (RMS) in [mV]
GD_ID_CM_HOUSE_VOLTAGE_PHASE_3	465	UINT	4	ro	–	House connection: Voltage root mean square value (RMS) in [mV]
GD_ID_CM_HOUSE_CURRENT_PHASE_1	467	INT	4	ro	–	House connection: Current root mean square value (RMS) in [mA]
GD_ID_CM_HOUSE_CURRENT_PHASE_2	469	INT	4	ro	–	House connection: Current root mean square value (RMS) in [mA]
GD_ID_CM_HOUSE_CURRENT_PHASE_3	471	INT	4	ro	–	House connection: Current root mean square value (RMS) in [mA]

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_CM_HOUSE_ACTIVE_POWER	473	INT	4	ro	–	House connection: Sum of power in [mW]
GD_ID_CM_HOUSE_REACTIVE_POWER	475	INT	4	ro	–	House connection: Sum of reactive power in [mVAR]
GD_ID_CM_HOUSE_APPARENT_POWER	477	INT	4	ro	–	House connection: Sum of apparent power in [mVA]
GD_ID_CM_HOUSE_POWER_FACTOR	479	INT	4	ro	–	House connection: Power factor
GD_ID_CM_HOUSE_MAIN_FREQÜENZ	481	UINT	4	ro	–	House connection: Frequency in [Hz]
GD_ID_CM_HOUSE_CONSUMED_ENERGY_TOTAL	483	INT	8	ro	–	House connection: Total energy consumption in [mWh]
GD_ID_CM_EXTERNAL_MEASURE_SELECTION	495	INT	1	rw	Non-volatile	Measuring type of external energy meter 0 = energy meter 1 = Modbus TCP
GD_ID_MBS_SLAVE_ADDRESS	500	UINT	2	rw	Non-volatile	External RS485 interface: Slave address
GD_ID_MBS_BAUDRATE	501	UINT	4	rw	Non-volatile	External RS485 interface: Baud rate
GD_ID_MBS_PARITY	503	UINT	2	rw	Non-volatile	External RS485 interface: Parity
GD_ID_MBS_TERMINATING_RESISTOR	504	UINT	1	rw	Non-volatile	Termination resistor for external RS485 interface
GD_ID_AUT_EVSE_CURRENT_LIMIT	700	UINT	1	ro	–	Power limit of the wallbox in [A]
GD_ID_AUT_INSTALLATION_CURRENT_LIMIT	701	UINT	1	rw	Non-volatile	Upper limit of charging current in [A] during installation
GD_ID_AUT_USER_CURRENT_LIMIT	702	UINT	1	rw	Non-volatile	User-defined current limit in [A]
GD_ID_AUT_PLUG_AND_CHARGE_ACTIVE	704	UINT	1	rw	Non-volatile	0 = PlugAndCharge deactivated, 1 = PlugAndCharge active (PlugAndCharge = charging without authorisation)
GD_ID_AUT_EXTERNAL_ENABLE_CHARGING	705	UINT	1	rw	Volatile	External charge release (website, app, Modbus) 0 = none 1 = accepted (external) 2 = whitelist accepted 3 = whitelist rejected
GD_ID_AUT_OCPP_ENABLE_CHARGING	706	UINT	1	ro	–	Charge release via OCPP
GD_ID_AUT_AVAILABILITY	707	UINT	1	rw	Non-volatile	Setting station available / maintenance mode
GD_ID_AUT_MAX_CURRENT_ASYMMETRICAL	708	UINT	1	rw	Non-volatile	Maximum unbalanced load in [A]
GD_ID_AUT_USED_METHOD	709	UINT	1	ro	–	Authorisation method used: 0 = none 1 = PlugAndCharge 2 = RFID 3 = External 4 = Key switch 5 = OCPP
GD_ID_AUT_RFID_ALLOWED	710	UINT	1	rw	Non-volatile	Charge release may be given via RFID

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_AUT_EXTERNAL_ALLOWED	711	UINT	1	rw	Non-volatile	Charge release may be given via external source (app, web server, Modbus)
GD_ID_AUT_KEYSWITCH_ALLOWED	712	UINT	1	rw	Non-volatile	Charge release may be given via key switch
GD_ID_AUT_PLC_ALLOWED	713	UINT	1	rw	Non-volatile	Charge release may be given via Powerline Communication
GD_ID_AUT_CURRENT_LIMIT_REASON	714	UINT	1	ro	–	Limiting factor of the current setting
GD_ID_AUT_CURRENT_LIMIT_MINIMAL	715	UINT	1	ro	–	Lowest current limit (without LCM)
GD_ID_AUT_CHARGING_ID	716	UINT	4	ro	–	Serial number of charging process
GD_ID_AUT_LOCAL_AUTH_TAG	790	CHAR	20	rw	Non-volatile	OCPP tag for local authorisation
GD_ID_SC_WEB_IP0	800	UINT	1	rw	Non-volatile	IP address part 1
GD_ID_SC_WEB_IP1	801	UINT	1	rw	Non-volatile	IP address part 2
GD_ID_SC_WEB_IP2	802	UINT	1	rw	Non-volatile	IP address part 3
GD_ID_SC_WEB_IP3	803	UINT	1	rw	Non-volatile	IP address part 4
GD_ID_SC_WEB_SUB0	804	UINT	1	rw	Non-volatile	Subnet mask part 1
GD_ID_SC_WEB_SUB1	805	UINT	1	rw	Non-volatile	Subnet mask part 2
GD_ID_SC_WEB_SUB2	806	UINT	1	rw	Non-volatile	Subnet mask part 3
GD_ID_SC_WEB_SUB3	807	UINT	1	rw	Non-volatile	Subnet mask part 4
GD_ID_SC_NET_DEFAULT_GATEWAY0	808	UINT	1	rw	Non-volatile	Default gateway part 1
GD_ID_SC_NET_DEFAULT_GATEWAY1	809	UINT	1	rw	Non-volatile	Default gateway part 2
GD_ID_SC_NET_DEFAULT_GATEWAY2	810	UINT	1	rw	Non-volatile	Default gateway part 3
GD_ID_SC_NET_DEFAULT_GATEWAY3	811	UINT	1	rw	Non-volatile	Default gateway part 4
GD_ID_SC_NET_DNS0	812	UINT	1	rw	Non-volatile	DNS server IP part 1
GD_ID_SC_NET_DNS1	813	UINT	1	rw	Non-volatile	DNS server IP part 2
GD_ID_SC_NET_DNS2	814	UINT	1	rw	Non-volatile	DNS server IP part 3
GD_ID_SC_NET_DNS3	815	UINT	1	rw	Non-volatile	DNS server IP part 4
GD_ID_SC_NET_ENABLE_DHCP	816	UINT	1	rw	Non-volatile	DHCP active 0 = inactive 1 = active
GD_ID_SC_NET_MAC	817	OBJECT	6	ro	–	MAC address
GD_ID_SC_NET_DEVICE_NAME	820	CHAR	20	rw	Non-volatile	Device name
GD_ID_SC_FW_VERSION	846	CHAR	12	ro	–	Firmware version
GD_ID_SC_HW_VERSION	852	CHAR	12	ro	–	Hardware version
GD_ID_SC_WM_ARTICLENUMBER	875	CHAR	10	ro	–	Article number
GD_ID_SC_WM_SERIALNUMBER	880	CHAR	15	ro	–	Serial number
GD_ID_SC_WM_HWREVISION	888	CHAR	2	ro	–	Hardware revision
GD_ID_SC_TIMESTAMP_UTC	889	INT	8	rw	Non-volatile	Unix UTC timestamp in seconds
GD_ID_SC_TIMESTAMP_LOCAL	893	INT	8	ro	–	Unix local timestamp in seconds
GD_ID_SC_TIMEZONE_POSIX	897	CHAR	46	rw	Non-volatile	Time zone in POSIX format

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_SC_RESTART	920	UINT	1	rw	Volatile	Restart flag (the system restarts)
GD_ID_SC_BOOTLOADER_VERSION	921	CHAR	10	ro	–	Bootloader version
GD_ID_SC_SYSTEM_RESET	926	UINT	1	rw	Volatile	Reset flag (the system is reset to factory settings)
GD_ID_SC_POWER_CYCLE_COUNTER	927	UINT	1	rw	Non-volatile	Number of restarts (the number is reset after one minute)
GD_ID_SC_DEBUG_LOG	928	UINT	1	rw	Non-volatile	Activates the debug log (EVSE states and other messages)
GD_ID_SC_NTP_SERVER	929	CHAR	32	rw	Non-volatile	NTP server
GD_ID_SC_CERT_NAME_1	945	CHAR	32	ro	–	Certificate name
GD_ID_SC_CERT_NAME_2	961	CHAR	32	ro	–	Certificate name
GD_ID_SC_CERT_NAME_3	977	CHAR	32	ro	–	Certificate name
GD_ID_SC_VARIANT	993	UINT	1	ro	–	Product line 0 = Eco 1 = Value 2 = Advanced
GD_ID_SC_FIRMWAREUPLOAD_STATUS	994	UINT	1	rw	Volatile	Upload status of the firmware
GD_ID_SC_MODBUS_SOCKET_INTERFACE	995	UINT	1	rw	Non-volatile	Interface for Modbus TCP 0 = Ethernet 1 = Wifi
GD_ID_RFID_TAG_UID	1000	CHAR	21	rw	Volatile	UID of the RFID tag that was last found
GD_ID_RFID_DELETE_TAG	1011	CHAR	21	rw	Volatile	UID of the RFID tag to be deleted
GD_ID_RFID_LEARN_NEW_TAG	1022	UINT	1	rw	Volatile	Mode for registering RFID tags: The next RFID tag that is held in front of the interaction surface of the wallbox is added to the whitelist. If no RFID tag is detected within 60 seconds, the mode is terminated.
GD_ID_RFID_UNLEARN_NEW_TAG	1023	UINT	1	rw	Volatile	Mode for removing RFID tags: The next RFID tag that is held in front of the interaction surface of the wallbox is removed from the whitelist. If no RFID tag is detected within 60 seconds, the mode is terminated.
GD_ID_RFID_EXTERNAL_WHITELIST	1024	UINT	1	rw	Non-volatile	Activated/deactivated the external whitelist
GD_ID_RFID_POWER_OPTION	1025	UINT	1	rw	Non-volatile	Power mode of the RFID module 0 = half power 1 = full power
GD_ID_RFID_WL_UID_0	1100	CHAR	21	rw	Non-volatile	UID 0
GD_ID_RFID_WL_NAME_0	1111	CHAR	21	rw	Non-volatile	Tag name 0
GD_ID_RFID_WL_STATUS_0	1122	UINT	1	rw	Non-volatile	Status 0
GD_ID_RFID_WL_UID_1	1140	CHAR	21	rw	Non-volatile	UID 1
GD_ID_RFID_WL_NAME_1	1151	CHAR	21	rw	Non-volatile	Tag name 1
GD_ID_RFID_WL_STATUS_1	1162	UINT	1	rw	Non-volatile	Status 1
GD_ID_RFID_WL_UID_2	1180	CHAR	21	rw	Non-volatile	UID 2

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_RFID_WL_NAME_2	1191	CHAR	21	rw	Non-volatile	Tag name 2
GD_ID_RFID_WL_STATUS_2	1202	UINT	1	rw	Non-volatile	Status 2
GD_ID_RFID_WL_UID_3	1220	CHAR	21	rw	Non-volatile	UID 3
GD_ID_RFID_WL_NAME_3	1231	CHAR	21	rw	Non-volatile	Tag name 3
GD_ID_RFID_WL_STATUS_3	1242	UINT	1	rw	Non-volatile	Status 3
GD_ID_RFID_WL_UID_4	1260	CHAR	21	rw	Non-volatile	UID 4
GD_ID_RFID_WL_NAME_4	1271	CHAR	21	rw	Non-volatile	Tag name 4
GD_ID_RFID_WL_STATUS_4	1282	UINT	1	rw	Non-volatile	Status 4
GD_ID_RFID_WL_UID_5	1300	CHAR	21	rw	Non-volatile	UID 5
GD_ID_RFID_WL_NAME_5	1311	CHAR	21	rw	Non-volatile	Tag name 5
GD_ID_RFID_WL_STATUS_5	1322	UINT	1	rw	Non-volatile	Status 5
GD_ID_RFID_WL_UID_6	1340	CHAR	21	rw	Non-volatile	UID 6
GD_ID_RFID_WL_NAME_6	1351	CHAR	21	rw	Non-volatile	Tag name 6
GD_ID_RFID_WL_STATUS_6	1362	UINT	1	rw	Non-volatile	Status 6
GD_ID_RFID_WL_UID_7	1380	CHAR	21	rw	Non-volatile	UID 7
GD_ID_RFID_WL_NAME_7	1391	CHAR	21	rw	Non-volatile	Tag name 7
GD_ID_RFID_WL_STATUS_7	1402	UINT	1	rw	Non-volatile	Status 7
GD_ID_RFID_WL_UID_8	1420	CHAR	21	rw	Non-volatile	UID 8
GD_ID_RFID_WL_NAME_8	1431	CHAR	21	rw	Non-volatile	Tag name 8
GD_ID_RFID_WL_STATUS_8	1442	UINT	1	rw	Non-volatile	Status 8
GD_ID_RFID_WL_UID_9	1460	CHAR	21	rw	Non-volatile	UID 9
GD_ID_RFID_WL_NAME_9	1471	CHAR	21	rw	Non-volatile	Tag name 9
GD_ID_RFID_WL_STATUS_9	1482	UINT	1	rw	Non-volatile	Status 9
GD_ID_RFID_WL_UID_10	1500	CHAR	21	rw	Non-volatile	UID 10
GD_ID_RFID_WL_NAME_10	1511	CHAR	21	rw	Non-volatile	Tag name 10
GD_ID_RFID_WL_STATUS_10	1522	UINT	1	rw	Non-volatile	Status 10
GD_ID_RFID_WL_UID_11	1540	CHAR	21	rw	Non-volatile	UID 11
GD_ID_RFID_WL_NAME_11	1551	CHAR	21	rw	Non-volatile	Tag name 11
GD_ID_RFID_WL_STATUS_11	1562	UINT	1	rw	Non-volatile	Status 11
GD_ID_RFID_WL_UID_12	1580	CHAR	21	rw	Non-volatile	UID 12
GD_ID_RFID_WL_NAME_12	1591	CHAR	21	rw	Non-volatile	Tag name 12
GD_ID_RFID_WL_STATUS_12	1602	UINT	1	rw	Non-volatile	Status 12
GD_ID_RFID_WL_UID_13	1620	CHAR	21	rw	Non-volatile	UID 13
GD_ID_RFID_WL_NAME_13	1631	CHAR	21	rw	Non-volatile	Tag name 13
GD_ID_RFID_WL_STATUS_13	1642	UINT	1	rw	Non-volatile	Status 13
GD_ID_RFID_WL_UID_14	1660	CHAR	21	rw	Non-volatile	UID 14
GD_ID_RFID_WL_NAME_14	1671	CHAR	21	rw	Non-volatile	Tag name 14
GD_ID_RFID_WL_STATUS_14	1682	UINT	1	rw	Non-volatile	Status 14
GD_ID_RFID_WL_UID_15	1700	CHAR	21	rw	Non-volatile	UID 15
GD_ID_RFID_WL_NAME_15	1711	CHAR	21	rw	Non-volatile	Tag name 15
GD_ID_RFID_WL_STATUS_15	1722	UINT	1	rw	Non-volatile	Status 15
GD_ID_SC_DELETE_OCMF_LOG	5517	UINT	1	rw	Volatile	Deletion of charge data
GD_ID_CM_REACTIVE_CURRENT_PHASE_1	5600	INT	4	ro	–	Idle current phase 1
GD_ID_CM_REACTIVE_CURRENT_PHASE_2	5602	INT	4	ro	–	Idle current phase 2

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_CM_REACTIVE_CURRENT_PHASE_3	5604	INT	4	ro	–	Idle current phase 3
GD_ID_CM_MBM_TCP_IP	5606	CHAR	16	rw	Non-volatile	IP address of external measuring point
GD_ID_CM_MBM_TCP_PORT	5614	UINT	2	rw	Non-volatile	Port number of external measuring point
GD_ID_CM_MBM_TCP_METER_PRESELECTION	5615	UINT	1	rw	Non-volatile	Preselection for external measuring point 0 = custom 2 = Kostal
GD_ID_CM_MBM_TCP_SLAVE_ID	5616	UINT	1	rw	Non-volatile	Slave ID of external measuring point
GD_ID_CM_MBM_TCP_REGISTER_TYPE	5617	UINT	1	rw	Non-volatile	Register type 0 = input 1 = holding
GD_ID_CM_MBM_TCP_VOLTAGE_L1_REGISTER_ADDRESS	5650	UINT	2	rw	Non-volatile	Address of voltage on L1
GD_ID_CM_MBM_TCP_VOLTAGE_L1_LENGTH	5651	UINT	1	rw	Non-volatile	Length of voltage on L1
GD_ID_CM_MBM_TCP_VOLTAGE_L1_POWER_OF_10	5652	INT	1	rw	Non-volatile	Conversion potency
GD_ID_CM_MBM_TCP_VOLTAGE_L1_DATA_TYPE	5653	UINT	1	rw	Non-volatile	Data type 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_VOLTAGE_L2_REGISTER_ADDRESS	5654	UINT	2	rw	Non-volatile	Address of voltage on L2
GD_ID_CM_MBM_TCP_VOLTAGE_L2_LENGTH	5655	UINT	1	rw	Non-volatile	Length of voltage on L2
GD_ID_CM_MBM_TCP_VOLTAGE_L2_POWER_OF_10	5656	INT	1	rw	Non-volatile	Conversion potency
GD_ID_CM_MBM_TCP_VOLTAGE_L2_DATA_TYPE	5657	UINT	1	rw	Non-volatile	Data type 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_VOLTAGE_L3_REGISTER_ADDRESS	5658	UINT	2	rw	Non-volatile	Address of voltage on L3
GD_ID_CM_MBM_TCP_VOLTAGE_L3_LENGTH	5659	UINT	1	rw	Non-volatile	Length of voltage on L3
GD_ID_CM_MBM_TCP_VOLTAGE_L3_POWER_OF_10	5660	INT	1	rw	Non-volatile	Conversion potency
GD_ID_CM_MBM_TCP_VOLTAGE_L3_DATA_TYPE	5661	UINT	1	rw	Non-volatile	Data type 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_CURRENT_L1_REGISTER_ADDRESS	5662	UINT	2	rw	Non-volatile	Address of current on L1
GD_ID_CM_MBM_TCP_CURRENT_L1_LENGTH	5663	UINT	1	rw	Non-volatile	Length of current on L1
GD_ID_CM_MBM_TCP_CURRENT_L1_POWER_OF_10	5664	INT	1	rw	Non-volatile	Conversion potency

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_CM_MBM_TCP_CURRENT_L1_DATA_TYPE	5665	UINT	1	rw	Non-volatile	Data type 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_CURRENT_L2_REGISTER_ADDRESS	5666	UINT	2	rw	Non-volatile	Address of current on L2
GD_ID_CM_MBM_TCP_CURRENT_L2_LENGTH	5667	UINT	1	rw	Non-volatile	Length of current on L2
GD_ID_CM_MBM_TCP_CURRENT_L2_POWER_OF_10	5668	INT	1	rw	Non-volatile	Conversion potency
GD_ID_CM_MBM_TCP_CURRENT_L2_DATA_TYPE	5669	UINT	1	rw	Non-volatile	Data type 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_CURRENT_L3_REGISTER_ADDRESS	5670	UINT	2	rw	Non-volatile	Address of current on L3
GD_ID_CM_MBM_TCP_CURRENT_L3_LENGTH	5671	UINT	1	rw	Non-volatile	Length of current on L3
GD_ID_CM_MBM_TCP_CURRENT_L3_POWER_OF_10	5672	INT	1	rw	Non-volatile	Conversion potency
GD_ID_CM_MBM_TCP_CURRENT_L3_DATA_TYPE	5673	UINT	1	rw	Non-volatile	Data type 0 = Int 1 = Uint 2 = Float
GD_ID_CM_MBM_TCP_ACTIVE_POWER_REGISTER_ADDRESS	5674	UINT	2	rw	Non-volatile	Address of power
GD_ID_CM_MBM_TCP_ACTIVE_POWER_LENGTH	5675	UINT	1	rw	Non-volatile	Length of power
GD_ID_CM_MBM_TCP_ACTIVE_POWER_POWER_OF_10	5676	INT	1	rw	Non-volatile	Conversion potency
GD_ID_CM_MBM_TCP_ACTIVE_POWER_L3_DATA_TYPE	5677	UINT	1	rw	Non-volatile	Data type 0 = Int 1 = Uint 2 = Float
GD_ID_WC_WIFI_SSID	6000	CHAR	32	rw	Non-volatile	Current SSID
GD_ID_WC_WIFI_PASS	6016	CHAR	32	rw	Non-volatile	Current password
GD_ID_WC_ACTIVATE_PAIR_MODE	6032	UINT	1	rw	Volatile	Activate pairing mode
GD_ID_WC_WIFI_START_SCAN	6033	UINT	1	rw	Volatile	Start the WLAN scan
GD_ID_WC_WIFI_CONNECT	6034	UINT	1	rw	Volatile	Connect to the configured WLAN
GD_ID_WC_WIFI_DISCONNECT	6035	UINT	1	rw	Volatile	Disconnect the WLAN connection
GD_ID_WC_CLEAR_BONDDDB	6036	UINT	1	rw	Volatile	Delete the Bluetooth bonding DB
GD_ID_WC_WIFI_SLEEP	6037	UINT	1	rw	Volatile	WLAN sleep mode
GD_ID_WC_SCANNED_SSID	6500	CHAR	512	ro	–	Found SSIDs (separated by commas)
GD_ID_WC_WLAN_MAC	6756	CHAR	18	ro	–	WLAN MAC address
GD_ID_WC_BT_MAC	6765	CHAR	18	ro	–	Bluetooth MAC address
GD_ID_WC_IP_ADDRESS	6774	CHAR	16	ro	–	WLAN IP address
GD_ID_WC_NET_MASK	6782	CHAR	16	ro	–	WLAN subnet mask

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_WC_GATEWAY	6790	CHAR	16	ro	–	WLAN default gateway
GD_ID_WC_WIFI_VERSION	6798	CHAR	8	ro	–	WLAN firmware version
GD_ID_WC_WIFI_CONN_STATUS	6802	UINT	1	ro	–	WLAN connection status: 0 = Disconnected 1 = Connecting 2 = Connected 3 = IP is assigned 4 = Sleeping
GD_ID_WC_BT_CONN_STATUS	6804	UINT	1	ro	–	Bluetooth connection status: 0 = Non-advertising 1 = Advertising 2 = Pairable 3 = Pairing in progress 4 = Connected 5 = Binary mode, sleeping
GD_ID_WC_IS_PAIR_MODE_ACTIVE	6806	UINT	1	ro	–	Bluetooth pairing mode active
GD_ID_WC_WLAN_RSSI	6807	INT	1	ro	–	Reception strength WLAN (dB)
GD_ID_WC_BT_RSSI	6808	INT	1	ro	–	Bluetooth reception strength (dB)
GD_ID_WC_BT_VERSION	6812	CHAR	16	ro	–	Bluetooth firmware version
GD_ID_PLC_BOOTLOADER_VERSION	6903	CHAR	10	ro	–	Powerline Communication bootloader version
GD_ID_PLC_APPLICATION_VERSION	6909	CHAR	10	ro	–	Powerline Communication firmware version
GD_ID_PLC_CAR_MAC	6915	CHAR	18	ro	–	MAC address of the vehicle read via Powerline Communication
GD_ID_OCPP_SERVER_ADDRESS	7100	CHAR	64	rw	Non-volatile	OCPP server address
GD_ID_OCPP_SERVER_PORT	7132	UINT	2	rw	Non-volatile	OCPP server port
GD_ID_OCPP_SERVER_PATH	7133	CHAR	128	rw	Non-volatile	OCPP server path
GD_ID_OCPP_SERVER_ENCRYPTION	7197	UINT	1	rw	Non-volatile	HTTPS active
GD_ID_OCPP_SERVER_PASSWORD	7198	CHAR	21	rw	Non-volatile	OCPP password
GD_ID_OCPP_ENABLE_OCPP	7209	UINT	1	rw	Non-volatile	Activates or deactivates OCPP (restart required)
GD_ID_OCPP_SERVER_CHECK_CERT	7210	UINT	1	rw	Non-volatile	Activates verification of certificates
GD_ID_OCPP_SOCKET_INTERFACE	7211	UINT	1	rw	Non-volatile	Configured ping interval in [s]
GD_ID_OCPP_REDUCED_LOGS	7212	UINT	1	rw	Non-volatile	Reduces the log entries
GD_ID_OCPP_PING_INTERVAL	7300	UINT	4	rw	Non-volatile	Configured ping interval in [s]
GD_ID_OCPP_CONNECTION_TIMEOUT	7302	UINT	4	rw	Non-volatile	Time in [s] after an authorisation is withdrawn if no charging process was started
GD_ID_OCPP_HEARTBEAT_INTERVAL	7306	UINT	4	rw	Non-volatile	Interval in [s] in which heartbeat messages are to be sent
GD_ID_OCPP_METER_VALUE_SAMPLE_INTERVAL	7308	UINT	4	rw	Non-volatile	Interval in [s] in which measured values of the energy meter are to be sent
GD_ID_OCPP_NUMBER_OF_CONNECTORS	7310	UINT	4	ro	–	Number of physical charging points at the charging station

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_OCPP_TRANSACTION_MESSAGE_ATTEMPTS	7312	UINT	4	rw	Non-volatile	Number of attempts to send a message
GD_ID_OCPP_TRANSACTION_MESSAGE_RETRY_INTERVAL	7314	UINT	4	rw	Non-volatile	Time in [s] until a message is sent again if no response is received
GD_ID_OCPP_VENDOR	7316	CHAR	40	rw	Non-volatile	OCPP vendor (used in BootNotification)
GD_ID_OCPP_MODEL	7336	CHAR	40	rw	Non-volatile	OCPP model (used in BootNotification)
GD_ID_OCPP_CLOCK_ALIGNED_DATA_INTERVAL	7357	UINT	1	ro	–	OCPP configuration key
GD_ID_OCPP_GET_CONFIGURATION_MAX_KEYS	7358	UINT	1	ro	–	OCPP configuration key
GD_ID_OCPP_LOCAL_AUTHORIZER_OFFLINE	7359	BOOL	1	ro	–	OCPP configuration key
GD_ID_OCPP_LOCAL_PRE_AUTHORIZE	7360	BOOL	1	ro	–	OCPP configuration key
GD_ID_OCPP_METER_VALUES_ALIGNED_DATA	7361	CHAR	1	ro	–	OCPP configuration key
GD_ID_OCPP_METER_VALUES_SAMPLED_DATA	7362	CHAR	164	ro	–	OCPP configuration key
GD_ID_OCPP_RESET_RETRIES	7500	UINT	1	ro	–	OCPP configuration key
GD_ID_OCPP_CONNECTOR_PHASE_ROTATION	7501	CHAR	13	ro	–	OCPP configuration key
GD_ID_OCPP_STOP_TRANSACTION_ON_EVSIDE_DISCONNECT	7514	BOOL	1	ro	–	OCPP configuration key
GD_ID_OCPP_STOP_TRANSACTION_ON_INVALID_ID	7515	BOOL	1	ro	–	OCPP configuration key
GD_ID_OCPP_STOP_TXN_ALIGNED_DATA	7516	CHAR	1	ro	–	OCPP configuration key
GD_ID_OCPP_STOP_TXN_SAMPLED_DATA	7517	CHAR	1	ro	–	OCPP configuration key
GD_ID_OCPP_SUPPORTED_FEATURE_PROFILES	7518	CHAR	4	ro	–	OCPP configuration key
GD_ID_OCPP_UNLOCK_CONNECTOR_ON_EVSIDE_DISCONNECT	7522	BOOL	1	ro	–	OCPP configuration key
GD_ID_OCPP_AUTHORIZEREMOTEXREQUESTS	7523	BOOL	1	ro	–	OCPP configuration key
GD_ID_MDM_APN	8000	CHAR	32	rw	Non-volatile	Mobile provider APN string
GD_ID_MDM_USER	8032	CHAR	16	rw	Non-volatile	Mobile provider user
GD_ID_MDM_PASS	8040	CHAR	16	rw	Non-volatile	Mobile provider password
GD_ID_MDM_PIN	8048	CHAR	9	rw	Non-volatile	SIM card PIN code
GD_ID_MDM_CONNECTION_MODE	8053	UINT	1	rw	Non-volatile	Connection type (Default: 4G + 2G fallback) 0 = LTEM1_GSM 1 = LTEM1_GSM_NB1 2 = LTEM1_NB1_GSM 3 = LTEM1 4 = GSM 5 = LTENB1
GD_ID_MDM_ICCID	8500	CHAR	23	ro	–	Sim card (ICCID string with verification number)
GD_ID_MDM_IMEI	8512	CHAR	16	ro	–	Modem IMEI string

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_MDM_CARRIER	8528	CHAR	21	ro	–	Mobile provider long name string
GD_ID_MDM_FW_VER	8539	CHAR	7	ro	–	Modem firmware version string
GD_ID_MDM_RSSI	8543	INT	2	ro	–	Signal strength of connection on mobile network [dBm]
GD_ID_MDM_STATUS	8545	UINT	1	ro	–	State of mobile connection 0 = disconnected (default state) 1 = Registered (registered on configured provider) 2 = Searching (disconnected but searching for provider) 3 = Rejected (rejected by provider) 4 = Unknown (e.g. out of range) 5 = Roaming (registered as roaming)
GD_ID_MDM_NETWORK_TYPE	8546	UINT	1	ro	–	Type of connected network 0 = DISCONNECTED 1 = GSM 2 = GSM_GPRS 3 = LTE_CATM1 4 = LTE_CATNB1
GD_ID_ERM_MODBUS_0	10000	UINT	8	ro	–	Error code Hot-one coded
GD_ID_ERM_LIVE_0	10010	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_1	10044	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_2	10078	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_3	10112	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_4	10146	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_5	10180	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_6	10214	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_7	10248	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_8	10282	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_9	10316	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_10	10350	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_11	10384	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_12	10418	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_13	10452	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_14	10486	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_15	10520	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_16	10554	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_17	10588	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_18	10622	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_ERM_LIVE_19	10656	OBJECT	67	ro	–	Entry in error list (object)
GD_ID_LCM_SLAVE	11000	UINT	1	rw	Non-volatile	Device is satellite box
GD_ID_LCM_MASTER	11001	UINT	1	rw	Non-volatile	Device is control box
GD_ID_LCM_GLOBAL_CURRENT_LIMIT	11002	UINT	2	rw	Non-volatile	Global current limit for the entire charging infrastructure
GD_ID_LCM_DYNAMIC	11004	UINT	1	rw	Non-volatile	Activates the dynamic LCM
GD_ID_LCM_PV_CHARGING	11005	UINT	1	rw	Non-volatile	Activates PV-optimized charging (only relevant in control box)
GD_ID_LCM_CHARGE_MODE	11008	UINT	1	rw	Non-volatile	Charging mode in which the charging process is started 0 = Booster 1 = Mixed 2 = Pure

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_LCM_SWITCH_MODE	11009	UINT	1	rw	Non-volatile	Charging mode after booster 1 = Mixed 2 = Pure
GD_ID_LCM_SWITCH_REASON	11010	UINT	1	rw	Non-volatile	Reason why booster is left 0 = Not left 1 = Duration 2 = Energy
GD_ID_LCM_SWITCH_REASON_DURATION	11011	UINT	4	rw	Non-volatile	Charging duration in booster mode in [min]
GD_ID_LCM_SWITCH_REASON_ENERGY	11013	UINT	4	rw	Non-volatile	Energy in booster mode in [kWh]
GD_ID_LCM_MINIMAL_CHARGE_CURRENT	11015	UINT	1	rw	Non-volatile	Minimum current in mixed mode in [A]
GD_ID_LCM_MINIMAL_PHASES	11016	UINT	1	rw	Non-volatile	Minimum number of phases in mixed mode 0 = 1-phase 1 = 3-phase
GD_ID_LCM_TIMEOUT	11050	UINT	4	rw	Volatile	Timeout of the satellite box
GD_ID_LCM_ACTUAL_CURRENT_LIMIT	11052	UINT	1	rw	Volatile	Current setting via load and charging management
GD_ID_LCM_MASTER_ERROR	11053	UINT	1	rw	Volatile	Error in the control box causing charging of the satellite box to stop
GD_ID_LCM_FALLBACK_CURRENT	11054	UINT	1	rw	Volatile	Current strength in [A] at which charging continues when the connection to the control box is interrupted
GD_ID_LCM_CURRENT_CHARGE_MODE	11055	UINT	1	ro	–	Current charging mode 0 = Booster 1 = Mixed 2 = Pure
GD_ID_RC_SLAVE1_IP	12000	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE2_IP	12008	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE3_IP	12016	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE4_IP	12024	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE5_IP	12032	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE6_IP	12040	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE7_IP	12048	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE8_IP	12056	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE9_IP	12064	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE10_IP	12072	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE11_IP	12080	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE12_IP	12088	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE13_IP	12096	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE14_IP	12104	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE15_IP	12112	CHAR	16	rw	Non-volatile	IP address of the satellite box
GD_ID_RC_SLAVE1_CONNECTED	12120	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE2_CONNECTED	12121	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE3_CONNECTED	12122	UINT	1	ro	–	Satellite box is connected

ro = read-only
rw = read-write

Register name	ID	Data type	Bytes	Access	Write function	Description
GD_ID_RC_SLAVE4_CONNECTED	12123	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE5_CONNECTED	12124	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE6_CONNECTED	12125	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE7_CONNECTED	12126	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE8_CONNECTED	12127	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE9_CONNECTED	12128	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE10_CONNECTED	12129	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE11_CONNECTED	12130	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE12_CONNECTED	12131	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE13_CONNECTED	12132	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE14_CONNECTED	12133	UINT	1	ro	–	Satellite box is connected
GD_ID_RC_SLAVE15_CONNECTED	12134	UINT	1	ro	–	Satellite box is connected

ro = read-only
rw = read-write

