

Modbus TCP Slave Register

Modbus TCP Server Protokoll Register

Alle Daten werden in Netzwerk byte order/big endian übertragen.

Master dev.	Reg. Typ	Adresse	Name	R/W	Nr. Regs.	Beschreibung
Phoenix	Eingang	100	EV Status	R	1	Returns the Control Pilot state
Phoenix	Eingang	101	Proximity Current	R	1	Returns signaled current in Amps
Phoenix	Eingang	102	Charging Time (seconds)	R	2	Duration since beginning of charge
Phoenix	Eingang	104	Legacy	R	1	Do not use.
Phoenix	Eingang	105	Firmwareversion	R	2	Returns the Ebee Application version number (example: 0.91 = {0x30, 0x2E, 0x39, 0x31} 4.40 = {0x34, 0x2E, 0x34, 0x34}).
Phoenix	Eingang	107	Legacy	R	1	Do not use.
Phoenix	Eingang	108	Voltage L1	R	2	Returns the voltage of phase 1 of the ocpp meter in V.
Phoenix	Eingang	110	Voltage L2	R	2	Returns the voltage of phase 2 of the ocpp meter in V.
Phoenix	Eingang	112	Voltage L3	R	2	Returns the voltage of phase 3 of the ocpp meter in V.
Phoenix	Eingang	114	Current L1	R	2	Returns the current of phase 1 of the ocpp meter in mA.
Phoenix	Eingang	116	Current L2	R	2	Returns the current of phase 2 of the ocpp meter in mA.
Phoenix	Eingang	118	Current L3	R	2	Returns the current of phase 3 of the ocpp meter in mA.
Phoenix	Eingang	120	Total Power (OCPP Meter Power)	R	2	Returns the power read from the ocpp meter in W.
Phoenix	Eingang	122	Reactive Power	R	2	
Phoenix	Eingang	124	Real Power	R	2	
Phoenix	Eingang	126	Power Factor	R	2	
Phoenix	Eingang	128	Energie	R	2	Energy read from meter in Wh
Phoenix	Eingang	130	Max. power ever seen from OCPP Meter	R	2	Max. power value ever seen since boot
Phoenix	Eingang	132	Charged Energy (Wh)	R	2	Sum of charged energy for the current session
Phoenix	Eingang	134	Grid Frequency	R	2	Returns the frequency read from the ocpp meter in Hz.
Phoenix	Eingang	136	Assumed Maximum Charging Current L1	R	2	

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Phoenix	Eingang	138	Assumed Maximum Charging Current L2	R	2	
Phoenix	Eingang	140	Assumed Maximum Charging Current L3	R	2	
Phoenix	Eingang	200	Input values	R	1	
Phoenix	Eingang	201	-	R	1	-
Phoenix	Eingang	202	Plug lock detect	R	1	Status of plug lock detection
Phoenix	Eingang	203	-	R	1	-
Phoenix	Eingang	204	-	R	1	-
Phoenix	Eingang	205	-	R	1	-
Phoenix	Eingang	206	-	R	1	-
Phoenix	Eingang	207	-	R	1	-
Phoenix	Eingang	208	-	R	1	-
Phoenix	Holding	310	IP Address - 1st Octet	R	1	Get the IP address of the active interface connected to the backend.
Phoenix	Holding	311	IP Address - 2nd Octet	R	1	Get the IP address of the active interface connected to the backend.
Phoenix	Holding	312	IP Address - 3rd Octet	R	1	Get the IP address of the active interface connected to the backend.
Phoenix	Holding	313	IP Address - 4th Octet	R	1	Get the IP address of the active interface connected to the backend.
TQ-DM100	Holding	1000	Charge Point State	R	1	
TQ-DM100	Holding	1001	Charge State	R	1	
TQ-DM100	Holding	1002	EVSE State	R	1	
TQ-DM100	Holding	1004	Cable State	R	1	
TQ-DM100	Holding	1006	EVSE Error Code	R	1	
TQ-DM100	Holding	1008	Current L1	R	1	Returns the current of phase 1 of the ocpp meter in mA.
TQ-DM100	Holding	1010	Current L2	R	1	Returns the current of phase 2 of the ocpp meter in mA.
TQ-DM100	Holding	1012	Current L3	R	1	Returns the current of phase 3 of the ocpp meter in mA.
TQ-DM100	Holding	1020	Active Power	R	2	
TQ-DM100	Holding	1024	Active Power L1	R	2	

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TQ-DM100	Holding	1028	Active Power L2	R	2	
TQ-DM100	Holding	1032	Active Power L3	R	2	
TQ-DM100	Holding	1036	Energie	R	2	
TQ-DM100	Holding	1100	Hardware current limit	R	1	
TQ-DM100	Holding	1102	Minimum current limit	R	1	
TQ-DM100	Holding	1104	Max. Current from EVSE	R	1	
TQ-DM100	Holding	1106	Max. Current from Cable	R	1	
TQ-DM100	Holding	1108	Max. Current from EV	R	1	
TQ-DM100	Holding	1200	User priority	R	1	
TQ-DM100	Holding	1300	EV Battery State (% 0-100)	R	1	Returns an estimate of the SoC
TQ-DM100	Holding	1302	EV Battery Capacity (Wh)	R	2	Returns an estimate of the EV Battery Capacity
TQ-DM100	Holding	1400	Schedule Type	R	1	
TQ-DM100	Holding	1402	Required Energy (Wh)	R	2	
TQ-DM100	Holding	1406	Required Battery State (% 0-100)	R	1	
TQ-DM100	Holding	1408	Scheduled Time (hhmmss)	R	2	
TQ-DM100	Holding	1412	Scheduled Date (yymmdd)	R	2	
TQ-DM100	Holding	1502	Charged Energy (Wh)	R	1	Sum of charged energy for the current session
TQ-DM100	Holding	1504	Start Time (hhmmss)	R	2	Start time of charging process
TQ-DM100	Holding	1508	Charging Time (seconds)	R	2	Duration since beginning of charge
TQ-DM100	Holding	1512	End Time (hhmmss)	R	2	End time of charging process
TQ-DM100	Holding	1600	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 0 to 3.
TQ-DM100	Holding	1602	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 4 to 7.

Master dev.	Reg. Typ	Adresse	Name	R/W	Nr. Regs.	Beschreibung
TQ-DM100	Holding	1604	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 8 to 11.
TQ-DM100	Holding	1606	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 12 to 15.
TQ-DM100	Holding	1608	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 16 to 19.
TQ-DM100	Holding	1620	15118 Smart vehicle detected	R	1	Returns 1 if an EV currently connected is a smart vehicle, or 0 if no EV connected or it is not a smart vehicle
TQ-DM100	Holding	2000	Safe Current (Amps.)	R/W	1	Max. charge current under communication failure
TQ-DM100	Holding	2002	Comm. Timeout (seconds)	R/W	1	Communication timeout
TQ-DM100	Holding	5000	Charge Power (W)	W	2	
TQ-DM100	Holding	5004	Charge Current (A)	W	1	
TQ-DM100	Holding	5006	Charge Control		1	Unimplemented
TQ-DM100	Holding	5008	Charge Release		1	Unimplemented
TQ-DM100	Holding	5900	Kostenloses Laden	R/W	1	Unimplemented
TQ-DM100	Holding	5902	Kostenloses Laden Modus	R/W	1	Unimplemented
TQ-DM100	Holding	6000	Life Bit	R/W	1	0/1 Toggle-Bit
Bender	Holding	100	Firmwareversion	R	2	Returns the Ebee Application version number (example: 0.91 = {0x30, 0x2E, 0x39, 0x31} 4.40 = {0x34, 0x2E, 0x34, 0x34}).
Bender	Holding	104	OCPP CP Status	R	1	Charge Point status according to the OCPP spec. enumeration
Bender	Holding	105	Error Codes 1	R	2	Aggregated error states (see Spec. sheet for mask mappings)
Bender	Holding	107	Error Codes 2	R	2	Aggregated error states (see Spec. sheet for mask mappings)
Bender	Holding	109	Error Codes 3	R	2	Aggregated error states (see Spec. sheet for mask mappings)
Bender	Holding	111	Error Codes 4	R	2	Aggregated error states (see Spec. sheet for mask mappings)
Bender	Holding	120	Protocol Version	R	2	Ebee Modbus TCP Server Protocol Version number (example: 0.6 = {0x30, 0x2E, 0x36}).

Master dev.	Reg. Typ	Adresse	Name	R/W	Nr. Regs.	Beschreibung
Bender	Holding	122	Vehicle (Control Pilot) state	R	1	A=1, B=2, C=3, D=4, E=5
Bender	Holding	123	Vehicle (Control Pilot) state in Hex. format	R	1	A = 0x0A, B = 0x0B, etc.
Bender	Holding	124	Charge Point availability	R/W	1	Get/Set available/unavailable
Bender	Holding	131	Safe Current (Amps.)	R/W	1	Max. charge current under communication failure
Bender	Holding	132	Comm. Timeout (seconds)	R/W	1	Communication timeout
Bender	Holding	133	Hardware current limit	R	1	
Bender	Holding	134	Operator current limit	R	1	
Bender	Holding	135	RCMB Mode	R	1	
Bender	Holding	136	RCMB Last RMS value (integral part)	R	1	
Bender	Holding	137	RCMB Last RMS value (fractional part)	R	1	
Bender	Holding	138	RCMB Last DC value (integral part)	R	1	
Bender	Holding	139	RCMB Last DC value (fractional part)	R	1	
Bender	Holding	140	Relays State	R	1	
Bender	Holding	141	Device ID	R	1	This register is a device identifier and always returns the value 0xEBEE (decimal 60398)
Bender	Holding	142	Model der Ladestation	R	2	ChargePoint Model. Bytes 0 to 3.
Bender	Holding	144	Model der Ladestation	R	2	ChargePoint Model. Bytes 4 to 7.
Bender	Holding	146	Model der Ladestation	R	2	ChargePoint Model. Bytes 8 to 11.
Bender	Holding	148	Model der Ladestation	R	2	ChargePoint Model. Bytes 12 to 15.
Bender	Holding	150	Model der Ladestation	R	2	ChargePoint Model. Bytes 16 to 19.
Bender	Holding	152	Plug lock detect	R	1	Status of plug lock detection
Bender	Holding	200	Energy L1	R	2	Energy in Wh. (phase 1) from primary meter
Bender	Holding	202	Energy L2	R	2	Energy in Wh. (phase 2) from primary meter

Master dev.	Reg. Typ	Adresse	Name	R/W	Nr. Regs.	Beschreibung
Bender	Holding	204	Energy L3	R	2	Energy in Wh. (phase 3) from primary meter
Bender	Holding	206	Power L1	R	2	Power in W (phase 1) from primary meter
Bender	Holding	208	Power L2	R	2	Power in W (phase 2) from primary meter
Bender	Holding	210	Power L3	R	2	Power in W (phase 3) from primary meter
Bender	Holding	212	Current L1	R	2	Current in mA (phase 1) from primary meter
Bender	Holding	214	Current L2	R	2	Current in mA (phase 2) from primary meter
Bender	Holding	216	Current L3	R	2	Current in mA (phase 3) from primary meter
Bender	Holding	218	Total Energy	R	2	Total Energy in Wh. from primary meter
Bender	Holding	220	Total Power	R	2	Total Power in Wh. from primary meter
Bender	Holding	222	Voltage L1	R	2	Returns the voltage of phase 1 of the ocpp meter in V.
Bender	Holding	224	Voltage L2	R	2	Returns the voltage of phase 2 of the ocpp meter in V.
Bender	Holding	226	Voltage L3	R	2	Returns the voltage of phase 3 of the ocpp meter in V.
Bender	Holding	500	(Reserved)	R	1	
Bender	Holding	501	(Reserved)	R	1	
Bender	Holding	502	(Reserved)	R	1	
Bender	Holding	503	(Reserved)	R	1	
Bender	Holding	504	(Reserved)	R	1	
Bender	Holding	505	(Reserved)	R	1	
Bender	Holding	506	(Reserved)	R	1	
Bender	Holding	507	(Reserved)	R	1	
Bender	Holding	508	(Reserved)	R	1	
Bender	Holding	509	(Reserved)	R	1	
Bender	Holding	600	DLM Mode	R	1	Indicates the DLM mode configured for this device.
Bender	Holding	610	DLM EVSE Sub-distribution Limit L1	R	1	Overall current limit for DLM available for EVs
Bender	Holding	611	DLM EVSE Sub-distribution Limit L2	R	1	Overall current limit for DLM available for EVs
Bender	Holding	612	DLM EVSE Sub-distribution Limit L3	R	1	Overall current limit for DLM available for EVs

Master dev.	Reg. Typ	Adresse	Name	R/W	Nr. Regs.	Beschreibung
Bender	Holding	613	DLM Operator EVSE Sub-distribution Limit L1	R/W	1	Operator current limit for DLM available for distribution to EVs
Bender	Holding	614	DLM Operator EVSE Sub-distribution Limit L2	R/W	1	Operator current limit for DLM available for distribution to EVs
Bender	Holding	615	DLM Operator EVSE Sub-distribution Limit L3	R/W	1	Operator current limit for DLM available for distribution to EVs
Bender	Holding	620	DLM External Meter support	R	1	Value of this register is 1 when External Meter is enabled, 0 when disabled
Bender	Holding	621	DLM Number of Slaves connected	R	1	The number of DLM Slaves connected to this Master device
Bender	Holding	630	DLM Overall Current applied L1	R	1	Overall Current (A) the DLM Master is currently applying (sum of current distributed among the slaves)
Bender	Holding	631	DLM Overall Current applied L2	R	1	Overall Current (A) the DLM Master is currently applying (sum of current distributed among the slaves)
Bender	Holding	632	DLM Overall Current applied L3	R	1	Overall Current (A) the DLM Master is currently applying (sum of current distributed among the slaves)
Bender	Holding	633	DLM Overall Current available L1	R	1	Overall Current (A) the DLM Master has available to distribute among the slaves
Bender	Holding	634	DLM Overall Current available L2	R	1	Overall Current (A) the DLM Master has available to distribute among the slaves
Bender	Holding	635	DLM Overall Current available L3	R	1	Overall Current (A) the DLM Master has available to distribute among the slaves
Bender	Holding	701	Scheduled Time (hhmmss)	R	2	Scheduled departure time (format is `hhmmss` in big-endian packed BCD with left zero padding) – 15118 only
Bender	Holding	703	Scheduled Date (yymmdd)	R	2	Scheduled departure time (format is `ddmmyy` in big-endian packed BCD with left zero padding) – 15118 only
Bender	Holding	705	(deprecated) Charged Energy	R	1	Sum of charged energy for the current session (Wh)
Bender	Holding	706	Angebotener Strom	R	1	The maximum current that's being signaled to the EV for charging

Master dev.	Reg. Typ	Adresse	Name	R/W	Nr. Regs.	Beschreibung
Bender	Holding	707	Start Time (hhmmss)	R	2	Start time of charging process
Bender	Holding	709	(deprecated) Charging Duration (seconds)	R	1	Duration since beginning of charge
Bender	Holding	710	End Time (hhmmss)	R	2	End time of charging process
Bender	Holding	712	Minimum current limit	R	1	Minimum current limit for charging
Bender	Holding	713	EV Required Energy (Wh)	R	2	Returns the amount of energy in Wh required by the EV
Bender	Holding	715	Max. Current EV	R	1	This is the maximum current with which the EV can charge
Bender	Holding	716	Charged Energy	R	2	Sum of charged energy for the current session (Wh)
Bender	Holding	718	Charging Duration (seconds)	R	2	Duration since beginning of charge
Bender	Holding	720	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 0 to 3.
Bender	Holding	722	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 4 to 7.
Bender	Holding	724	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 8 to 11.
Bender	Holding	726	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 12 to 15.
Bender	Holding	728	User ID	R	2	User ID (OCPP IdTag) from the current session. Bytes 16 to 19.
Bender	Holding	740	15118 Smart vehicle detected	R	1	Returns 1 if an EV currently connected is a smart vehicle, or 0 if no EV connected or it is not a smart vehicle
Bender	Holding	741	EVCCID - 15118 only	R	2	ASCII representation of the Hex. Values corresponding to the EVCCID. Bytes 0 to 3.
Bender	Holding	743	EVCCID - 15118 only	R	2	ASCII representation of the Hex. Values corresponding to the EVCCID. Bytes 4 to 7.
Bender	Holding	745	EVCCID - 15118 only	R	2	ASCII representation of the Hex. Values corresponding to the EVCCID. Bytes 8 to 11.
Bender	Holding	1000	Hems Current Limit (A)	R/W	1	Current limit of the HEMS module in Amps
Bender	Holding	1110	User ID	W	2	Write user ID (OCPP IdTag) for the current session. Bytes 0 to 3.
Bender	Holding	1112	User ID	W	2	Write user ID (OCPP IdTag) for the current session. Bytes 4 to 7.

Master dev.	Reg. Typ	Adresse	Name	R/W	Nr. Regs.	Beschreibung
Bender	Holding	1114	User ID	W	2	Write user ID (OCPP IdTag) for the current session. Bytes 8 to 11.
Bender	Holding	1116	User ID	W	2	Write user ID (OCPP IdTag) for the current session. Bytes 12 to 15.
Bender	Holding	1118	User ID	W	2	Write user ID (OCPP IdTag) for the current session. Bytes 16 to 19.