

Modbus communication / Communication Modbus / Comunicación Modbus / Comunicazione Modbus / Modbus communicatie / Kommunikation Modbus

Modbus table general mapping / Organisation de la table Modbus / Organización del cuadro general Modbus / Struttura della tabella Modbus / Modbus register mapping / Aufbau der Modbus Tabelle

Modbus register	Description	Format	Modbus function
101 to 105	Programming parameters	16 bits	Read n words (3)
201	Resets	16 bits	Read n words (3) Write 1 word (6) Write n words (16)
1001 to 1055	Measurements	32 bits	Read n words (3)

Register list / Liste des registres / Lista de los registros / Elenco dei registri / Lijst van registers / Liste der Register

Modbus register	Address:		Nb of words	Description	Unit
	Dec.	Hex.			

Programming parameters / Paramètres de programmation / Parámetros de programación / Parametri di programmazione / Programmeerparameters / Programmierungs-Parameter

101	100	64	1	Current transformer ratio (Ct)	-
102	101	65	1	Voltage transformer ratio (Pt)	1/10
103	102	66	1	System type: 0: 4 wires, 3 CT (4-3 Ct) 1: 3 wires, 3 CT (3-3 Ct) 2: 3 wires, 2 CT (3-2 Ct) 3: 2 wires, 1 CT (2-1 Ct)	-
104	103	67	1	Type of power demand: (dMd type) 0: active power 1: reactive power 2: apparent power	-
105	104	68	1	Demand calculation interval (dMd time)	minute

Resets

201	200	C8	1	Reset of: 0x00: no reset 0x01: active energy partial counter 0x02: reactive energy total counter 0x08: operating time counter 0x10: maximum power demand 0x1000: active energy partial counter, reactive energy total counter, operating time counter and max power demand	-
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Measurements table / Table des mesures / Cuadro de mediciones / Tavola delle misurazioni / Metingentabel / Tabelle der Messungen

1001	1000	3E8	2	I1: phase 1 current	mA
1003	1002	3EA	2	I2: phase 2 current	mA
1005	1004	3EC	2	I3: phase 3 current	mA
1007	1006	3EE	2	IN: neutral current	mA
1009	1008	3F0	2	U12: line 1 to line 2 voltage	mV
1011	1010	3F2	2	U23: line 2 to line 3 voltage	mV
1013	1012	3F4	2	U31: line 3 to line 1 voltage	mV
1015	1014	3F6	2	V1N: line 1 to Neutral voltage	mV
1017	1016	3F8	2	V2N: line 2 to Neutral voltage	mV
1019	1018	3FA	2	V3N: line 3 to Neutral voltage	mV
1021	1020	3FC	2	F: frequency	Hz/100
1023	1022	3FE	2	P: total active power (+/- signed value)	kW/100
1025	1024	400	2	Q: total reactive power (+/- signed value)	kvar/100
1027	1026	402	2	S: total apparent power	kVA/100
1029	1028	404	2	PF: total power factor (+/- signed value)	1/100
1031	1030	406	2	Power factor sector: 1: inductive (mm) 2: capacitive (1/2)	-
1033	1032	408	2	Power demand: active or reactive or apparent (see Reg. 104)	kW/100 or kvar/100 or kVA/100
1035	1034	40A	2	Max power Demand: active or reactive or apparent (see Reg. 104)	kW/100 or kvar/100 or kVA/100
1037	1036	40C	2	Operating time counter	H/100
1039	1038	40E	2	Active energy total counter	kWh
1041	1040	410	2	Reactive energy total counter	kvarh
1043	1042	412	2	Active energy partial counter	kWh
1045	1044	414	2	P1: phase 1 active power (+/- signed value)	kW/100
1047	1046	416	2	P2: phase 2 active power (+/- signed value)	kW/100
1049	1048	418	2	P3: phase 3 active power (+/- signed value)	kW/100
1051	1050	41A	2	Q1: phase 1 reactive power (+/- signed value)	kvar/100
1053	1052	41C	2	Q2: phase 2 reactive power (+/- signed value)	kvar/100
1055	1054	41E	2	Q3: phase 3 reactive power (+/- signed value)	kvar/100

- en** ● RS 485 port: 2 wires, 9600 or 19200 bauds, Modbus RTU, SELV 6 kV impulse circuit (double insulation).
● Data: 8 bits.
● Parity: even, odd, none.
● Stop bit: 1.

- es** ● Puerto RS 485: 2 hilos, 9600 o 19200 baudios, Modbus RTU, circuito MBTS 6 kV impulso (doble aislamiento).
● Datos: 8 bits.
● Paridad: par, impar, sin.
● Bit de parada: 1.

- nl** ● RS 485 communicatiepoort: 2 draden, 9600 of 19200 baud, Modbus RTU, veiligheidslaagspanning circuit 6 kV schok (dubbele isolatie).
● Data: 8-bits.
● Pariteit: even, oneven, geen.
● Stopbit: 1.

- fr** ● Port RS 485 : 2 fils, 9600 ou 19200 bauds, Modbus RTU, circuit TBTS 6 kV choc (double isolation).
● Données : 8 bits.
● Parité : paire, impaire, sans.
● Bit de stop : 1.

- it** ● Porta RS 485: 2 fili, 9600 o 19200 baud, Modbus RTU, circuito in bassa tensione di sicurezza a 6 kV di impulso (doppio isolamento).
● Dati: 8 bit.
● Parità: pari, dispari, nessuna.
● Bit di stop: 1.

- de** ● Schnittstelle RS 485: 2-Draht, 9600 oder 19200 Baud, Modbus RTU, Stromkreis Kleinspannungs-Sicherheit 6 kV Implus (Doppeltisolierung).
● Daten: 8 Bit.
● Parität: gerade, ungerade, ohne.
● Stopbit: 1.