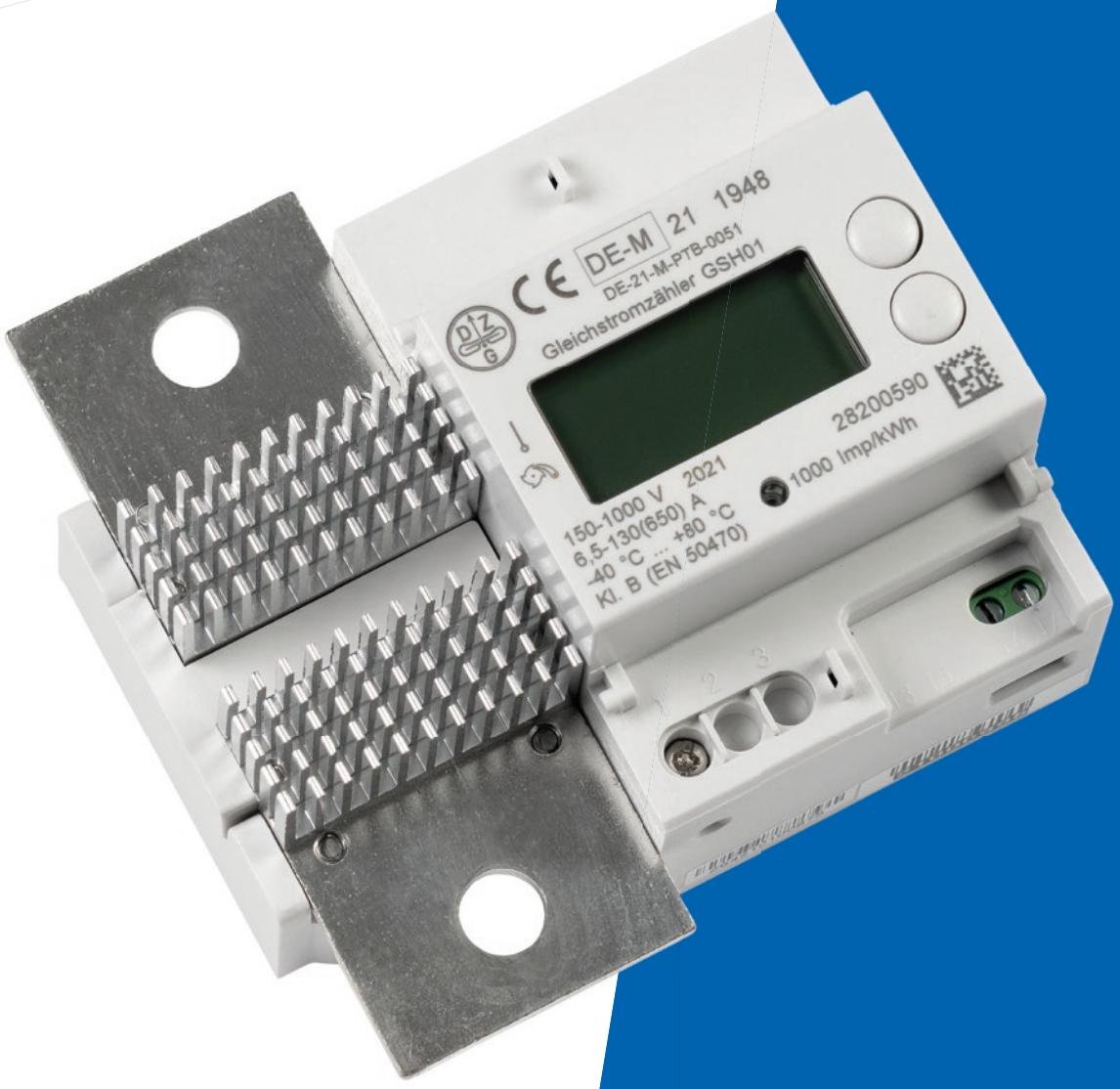
GSH01

DC Meter

new development



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Data sheet

DC Meter GSH01 New

Type	DIN-Rail DC meter for e-mobility, industrial and more. Direct current meter according to German Eichrecht. Calculation of compensated energy (line loss compensation by line resistance)
Functional Features	- Transaction of energy registers - OCMF - Open Charge Metering Format - Compatible with S.A.F.E. transparency software - Digital signature - Configurable (duration, infotime registers) - Calibration logbook - Instantaneous readings - High temperature 85°C - High current 650A - Sealable terminal cover
please click here	
Measuring mechanism parameters	
Voltage	
U_{min}	150 V
U_{max}	1000 V
Current	
Starting current (I_{st})	0.52 A
Minimum current (I_{min})	6.5 A
Current (I_{tr})	13 A
Reference current (I_{ref})	130 A
Maximum current (I_{max})	650 A
Accuracy	
Class	Class B
Measuring Active Energy	
One Energy Direction	+A with -A locking
Energy Register	
Total Mains Energy	+A
Transaction Device Energy	+A
Meter constant	
LED-Output	1000 Imp/kWh, Total Mains Energy
Display	
LCD	with configurable backlight, configurable contents
Display scope	Unit of the displayed value (kWh, kW, W, V, A, Ω)
Life cycle	> 12 Jahre
Data interface RS485- Data Interface 1 and 2	
Connector	RJ12 ports
Parameter	115.200 bps, 8N1 (settable)
RS485- Data Interface 3 (communication with the charger station)	
Connector	RJ12 port
Parameter	115.200 bps, 8N1 (settable)
Communication Protocol	SLIP for Data Link Layer in OCMF format
Power Consumption	
Voltage circuit	< 0.5 W at Un
Current circuit	< 0.5 W at In, 0.12 W at Imax
Auxiliary power supply	< 5 W
Temperature Range	
Typical Operation	-40 °C to +80 °C
Storage	-40 °C to +85 °C
Environmental conditions	
Mechanical environmental conditions	M1
Electromagnetic environmental conditions	E2
Housing	
Dimension	DIN-Rail 115.6 mm (L) x 107.2 mm (W) x 70.9 mm (H) 6 TE
Material	fiber-glass reinforced Polycarbonate
Storage	
Capacity for Start- and Stop-Charge Records	> 235.000
Capacity of Logbook	> 2.500
Weight	550 g

Stand: October 2021, Version: 1.3

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