

# GSH4020

DC Meter



# Data Sheet

# DC Meter GSH4020

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| <b>Type</b>  | DIN-Rail DC meter for e-mobility, industrial and more.   |
| <b>Functional Features</b>   | <ul style="list-style-type: none"><li>- Transaction of energy registers</li><li>- OCMF - Open Charge Metering Format<ul style="list-style-type: none"><li>- Compatible with S.A.F.E. transparency software</li><li>- Digital signature</li><li>- Configurable (duration, info time registers)</li></ul></li><li>- Calibration logbook</li><li>- Instantaneous readings</li></ul> |
| <b>Approvals</b>   | German Eichrecht MessEG/EV / MID / CSA (UL) / LNE  |
| <b>Voltage Range</b>   | 40 - 1000 V DC   |
| <b>Current Starting Current (I<sub>st</sub>) Range</b>   | 0,16 A<br>1 - 40 (200) A   |
| <b>Accuracy Class</b>  | Class C  |
| <b>Energy Register Total Mains Energy Transaction Device Energy</b>  | +A / +A/-A<br>+A / +A/-A   |
| <b>Line Loss Compensation By line resistance 4 wire measurement</b>  | Type: GSH4020.xA<br>Type: GSH4020.xB   |
| <b>Display LCD</b>   | Dot-Matrix, with configurable backlight / contents   |
| <b>Communication Connector Parameter Protocol (communication with charger station)</b>                       | RJ12<br>RS485, 115.200 bps, 8N1 (configurable)<br>SLIP for Data Link Layer in OCMF format<br>Modbus RTU  |
| <b>Power Consumption Voltage Circuit Current Circuit Auxiliary Power Supply</b>                              | < 0,5 W at U <sub>N</sub><br>< 0,04 W/A x I <sub>max</sub><br>< 1 W  |
| <b>Temperature Range Typical Operation Storage</b>   | -40 °C to +70 °C (Type: GSH4020.7x)<br>-40 °C to +80 °C (Type: GSH4020.8x)<br>-40 °C to +85 °C   |
| <b>Environmental Conditions Mechanical Environmental Conditions Electromagnetic Environmental Conditions</b> | M1<br>E2   |
| <b>Housing Dimensions Material Mounting</b>  | 105 x 71 x 80 mm (LxWxH), 4 SU/TE<br>Fiber-glass reinforced Polycarbonate<br>DIN-Rail<br>400 g   |
| <b>Weight</b>  |  |
| <b>Accessories External Display</b>  | For data display independent of the meter position<br>DZG display or compatible other brands   |

