



Figure similar

Power Meter SICAM P55 Standard rail mounting 96 x 96 mm, type of protection front IP20, without graphic display 2 binary outputs, 3 relay outputs, RS485 with PROFIBUS DP and Modbus RTU / ASCII

| Measuring functions | |
|--|-------------|
| sampling frequency / per sampling cycle | 3 200 Hz |
| number of harmonics | 19 |
| product function / phase angle measurement | Yes |
| product function / active power measurement | Yes |
| product function / reactive power measurement | Yes |
| product function / apparent power measurement | Yes |
| product function / querying of limit violations | Yes |
| product function / logic function | Yes |
| product function / measurement of the harmonic active power | No |
| type of measured value detection / min./max. values | Yes |
| type of measured value detection / mean values | Yes |
| accuracy class / of the measuring instrument / for measured variable active power / acc. to IEC 62053-22 | 0,5S |
| accuracy class / of the measuring instrument / for measured variable reactive power | 1 |
| storage capacity | 0.001 Gbyte |
| Power Quality functions | |
| power quality assessment function / transient detection/logging | No |
| power quality assessment function / Total Harmonic Distortion (THD) | Yes |
| power quality assessment function / voltage dip | No |
| power quality assessment function / measurement of the harmonic phase angle | No |
| product function / for voltage variations and flicker / integrated / according to IEC 61000-4-15 | No |
| File formats | |
| type of data transmission / via CSV | No |
| Energy Management functions | |
| product function / active energy measurement | Yes |
| product function / reactive energy measurement | Yes |
| product function / apparent energy measurement | Yes |
| energy management function / calculation of load profiles | No |
| energy management function / tariffs | No |
| energy management function / load factor (TOU) | No |
| number of tariffs | 0 |
| Measuring inputs | |
| number of inputs / for voltage measurement | 4 |

| | |
|---|-------------------------------|
| number of inputs / for current measurement | 3 |
| input voltage / between L and L / maximum | 690 V |
| input voltage / between L and N / maximum | 400 V |
| input current / maximum | 10 A |
| Supply voltage | |
| supply voltage / at AC | 110 ... 230 V |
| supply voltage / at DC | 24 ... 250 V |
| measuring range frequency / at the measurement inputs | 45 ... 65 Hz |
| type of voltage / of the supply voltage | AC/DC |
| Inputs / Outputs | |
| number of analog inputs | 0 |
| number of digital inputs | 0 |
| number of analog outputs | 0 |
| number of digital outputs | 5 |
| Communication | |
| protocol / is supported / IEC 61850 | No |
| protocol / is supported / Modbus TCP | No |
| protocol / is supported / Modbus RTU | Yes |
| protocol / is supported / PROFIBUS DP | Yes |
| protocol / is supported / SNMP | No |
| protocol / is supported / OPC UA with PubSub | No |
| protocol / is supported / IEC 60870-5-103 | No |
| communication function / Modbus RTU as master | No |
| number of ports / of the Ethernet interface | 0 |
| product function / gateway function for Modbus RTU | No |
| Cybersecurity | |
| type of access control / role-based access control (RBAC) | No |
| product function / logging via Audit log | No |
| product function / logging via Security Eventlog | No |
| service / as web server / HTTPS | No |
| product function / firmware identifier | No |
| Time synchronization | |
| type of time synchronization | RTC, Modbus RTU, binary input |
| Mechanical Design | |
| width | 96 mm |
| height | 96 mm |
| depth | 105 mm |
| weight | 650 g |
| product feature / with display | No |
| fastening method / standard rail mounting | Yes |
| fastening method / wall mounting | Yes |
| fastening method / rack mounting | No |
| type of electrical connection | Screw terminals |
| connectable conductor cross-section | 2.5 mm ² |
| Degree of protection / protection class | |
| protection class IP / on the front | IP20 |
| protection class IP / rear side | IP20 |
| Environmental conditions | |
| ambient temperature / during operation | -25 ... +55 °C |
| ambient temperature / during storage | -25 ... +70 °C |
| Approval certification | |
| certificate of suitability / CE marking | Yes |
| certificate of suitability / UL approval | No |
| Further information | |

Information- and Downloadcenter (catalogues, leaflets,...)

<http://www.siemens.com/energy-automation>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7KG7755-0GA00-0AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/7KG7755-0GA00-0AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KG7755-0GA00-0AA0

Tender specifications

<http://www.siemens.com/specifications>

