SIEMENS

Data sheet 6MF2101-1AB10-0AA0

SICAM A8000 CP-8000 24-60VDC -40 BIS +70 GRAD CELSIUS. COMPACT RTU

General technical data	
consumed active power / rated value / maximum	4 300 mW
surge voltage / rated value	4 kV
surge voltage resistance	2.5 kV
processor clock frequency	400 MHz
storage capacity / of the RAM	32 Mbyte
product component / hardware real time clock	Yes
accuracy [ppm] / of the hardware real time clock	5 ppm
buffer time / of the hardware real time clock / in case of power failure	72 h
Product details	
time resolution	1 ms
number of local IO modules / maximum	6
Measuring functions	
sampling interval	10 ms
Supply voltage	
supply voltage / at DC / rated value	18 ... 78 V
type of voltage / of the supply voltage	DC
Inputs / Outputs	
number of isolated input groups	2
number of digital inputs	12
type of input voltage / at the inputs	DC
input voltage / at DC / per input	24 ... 60 V
input voltage / per input	18 ... 70 V
product feature / galvanic isolation of the inputs	Yes
number of isolated output groups	4
number of digital outputs	8
design of the digital output	relais
type of voltage / at digital output	AC/DC
voltage / at AC / at 50 Hz / per output	110 ... 120 V
voltage / at DC / per output	24 ... 60 V
voltage / per output	18 ... 253 V
consumed current / per output	5 000 mA
switching capacity apparent power / at AC / at 50 Hz	1 250 V·A
switching capacity active power / at DC	0.05 ... 150 W
product function / galvanic isolation of the outputs	Yes
Communication	
protocol / is supported / Modbus RTU device	Yes
protocol / is supported / PROFIBUS DP device	No
type of mobile wireless service / is supported / GPRS	No
number of ports / of the Ethernet interface	2
number of interfaces / serial	2
Cybersecurity	
type of communication security / Secure 104 according to IEC 62351-3	Yes
type of access control / role-based access control (RBAC)	Yes
type of system monitoring / according to SNMP	Yes
product function / logging via Security Eventlog	Yes
service / as web server / HTTPS	Yes
product function / firmware identifier	Yes

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Time synchronization	
time synchronization / via telecontrol protocol	Yes
time synchronization / via NTP/SNTP	Yes
time synchronization / via IRIG-B	No
Mechanical Design	
width	128 mm
height	124 mm
depth	123 mm
product feature / conformal coating	No
product feature / with display	Yes
fastening method / DIN-rail mounting	Yes
fastening method / wall mounting	No
fastening method / rack mounting	No
type of electrical connection	screw terminal
connectable conductor cross-section	0.2 ... 2.5 mm²
material / of the enclosure	plastic
product feature / plug-in terminal blocks	Yes
product function / with function display	Yes
product function / status display	Yes
Degree of protection / protection class	
operating resource protection class	II
degree of pollution	2
protection class IP / on the front	IP20
Environmental conditions	
ambient temperature / during operation	-40 ... +70 °C
ambient temperature / during storage	-40 ... +85 °C
relative humidity	5 ... 95 %
mounting height in relation to mean sea level / maximum	3 000 m
air pressure / maximum	106 kPa
Approval certification	
certificate of suitability / CE marking	Yes
certificate of suitability / UL approval	No

Further information

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information- and Downloadcenter (catalogues, leaflets,...)
https://www.siemens.com/energy-automation

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6MF2101-1AB10-0AA0

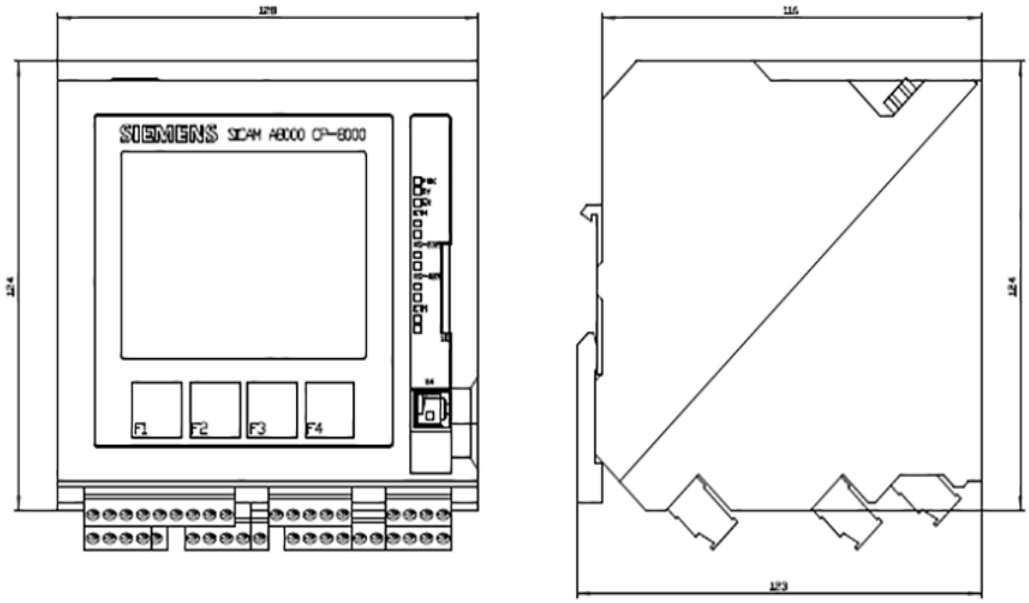
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6MF2101-1AB10-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6MF2101-1AB10-0AA0

Tender specifications
https://www.siemens.com/specifications

Power Academy - Your training and consulting partner in the area of power transmission and distribution
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