SIEMENS

Data sheet 7KN1310-0MC00-0AA8



SENTRON Powercenter 3000, Power Management System for SENTRON and SIRIUS devices, acquisition, archiving, and visualization of measured values, status information and messages web server in 10 languages, optional data transmission to other Cloud platforms such as Insights Hub, AWS, Azure, supports energy management e.g. ISO 50001, 50003, 50006 and energy audits, e.g. DIN 16247 commissioning with SENTRON Powerconfig or autonomously in the web UI

Model	
product brand name	SENTRON
product designation	IoT gateway
design of the product	ready-to-use system for collecting, storing, and evaluating data from low-voltage switchgear to support energy management according to ISO 50001, 50003, and 50006
product type designation	Powercenter 3000
design of the housing	DIN rail device
General technical data	
operating system pre-installed	Linux
storage capacity of the main memory or RAM maximum	2 Gibyte
type of memory	DDR4
storage capacity on hard disk	32 Gbyte
number of interfaces according to USB	2
Supply voltage	
supply voltage at DC rated value	
● minimum	20.4 V
● maximum	28.8 V
type of voltage of the supply voltage	DC
Protection class	
protection class IP	IP40
protection class IP on the front	IP20
Suitability	
suitability for use	PAC1600, PAC2200, PAC3100, PAC3120, PAC3200, PAC3200T, PAC3220, PAC4200, 3VA COM100, 3VA COM800, 3WL COM35, 3WL COM16, Modbus Device
suitability for use safety-related function	No
Product details	
product component hard disk drive	Yes
Communication	
number of interfaces according to Industrial Ethernet	2
protocol is supported	
● MODBUS protocol	Yes
● other protocols	Yes
Number	
number of supported devices	32
Mechanical Design	
height	85 mm
width	85 mm
depth	41 mm

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fastening method rail mounting	Yes
Net Weight	454 g
Environmental conditions	
type of coating protection against pollution according to EN 60664-3	Yes
type of coating protection against pollution according to EN 60664-3	Protection of type 1
relative humidity with condensation according to IEC 60068-2-38 maximum	98 %
relative humidity with condensation according to IEC 60068-2-38	RH incl. bedewing / frost (no commissioning in bedewed state), horizontal mounting position
shock acceleration during operation according to EN 60068-2-27	150 m/s², 11 ms
ambient temperature during operation	
● maximum	55 °C
ambient temperature during storage and transport	
● minimum	-20 °C
● maximum	70 °C
resistance to biologically active substances conformity according to EN 60721-3-3	
●	Yes
●	Class 3B2 mold and fungal spores (except fauna);
resistance to chemically active substances conformity according to EN 60721-3-3	
●	Yes
●	Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (severity 3); *
resistance to mechanically active substances conformity according to EN 60721-3-3	
●	Yes
●	Class 3S4 incl. sand, dust; *
resistance to biologically active substances conformity according to EN 60721-3-6	Yes
resistance to chemically active substances conformity according to EN 60721-3-6	Class 6C3 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (severity 3); *
resistance to mechanically active substances conformity according to EN 60721-3-6	
●	Yes
●	Class 6S3 incl. sand, dust; *
Certificates	
reference code according to IEC 81346-2	K

Approvals Certificates

Environment	General Product Approval				
Environmental Confirmations	TUEV	UL	Confirmation	CE EG-Konf.	UKCA

other			Dangerous goods
Miscellaneous	Confirmation	产品合格 QC PASS	Dangerous goods information

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)

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https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7KN1310-0MC00-0AA8

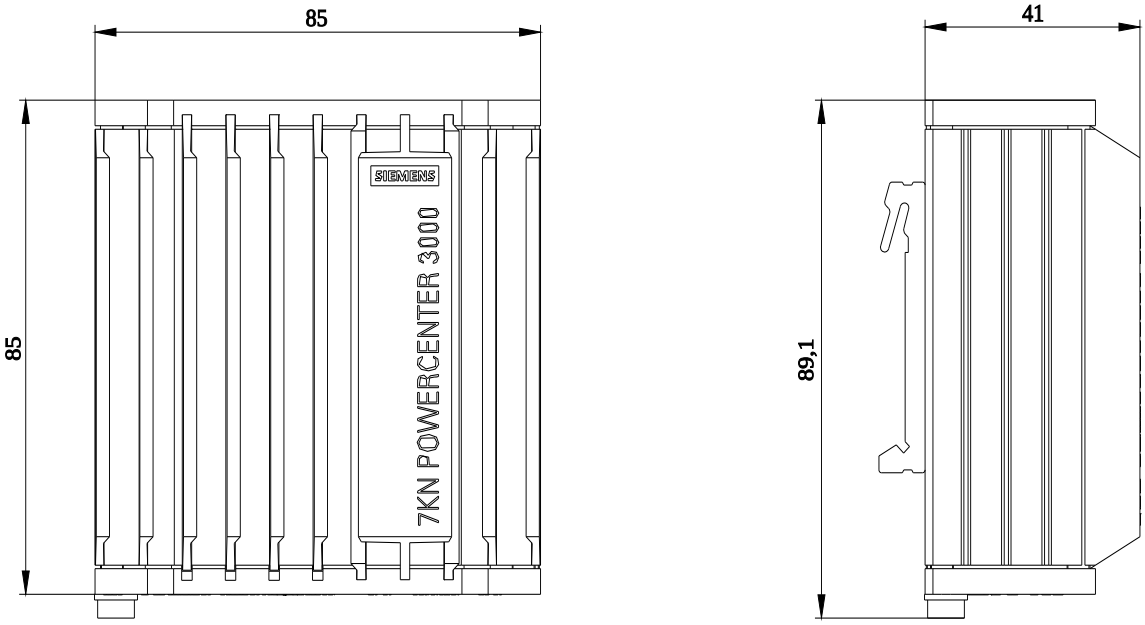
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/7KN1310-0MC00-0AA8

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KN1310-0MC00-0AA8

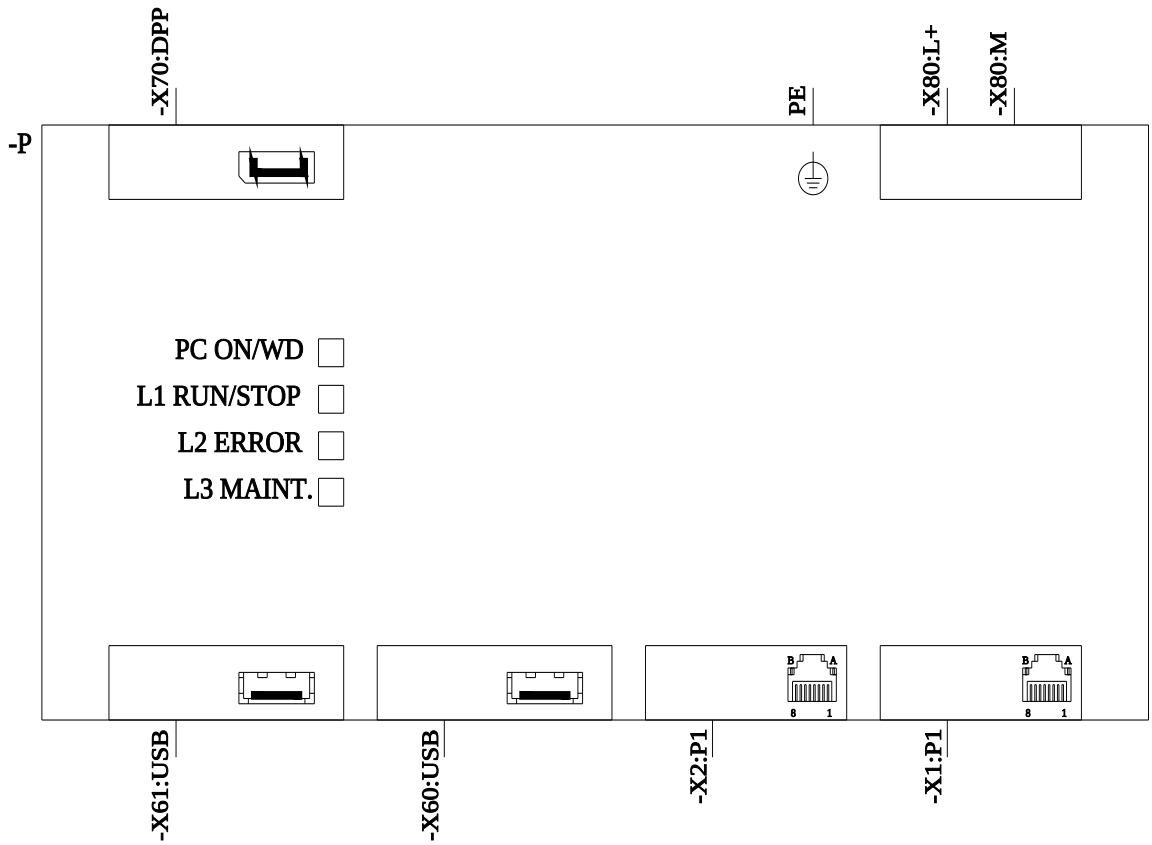
CAx-Online-Generator
https://www.siemens.com/cax

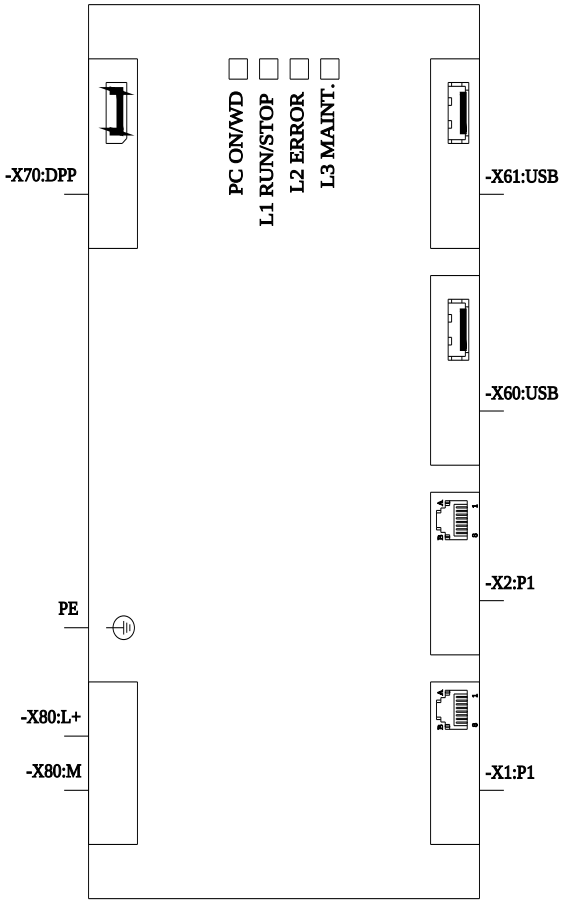
Tender specifications
https://www.siemens.com/specifications

Kennlinien
https://curves.simaris.siemens.com/curves/7KN1310-0MC00-0AA8



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last modified: 11/25/2025

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