

SENTRON, measuring device, 7KM PAC3200T, strd mnt. rail encl. w/o display, L-L: 400 V, L-N: 230 V, 5 A, strd rail instr., 3-phase, MODBUS TCP, apparent /active/reactive energy, wide-range pwr sup. unit AC/DC, screw terminals



Model	
product brand name	SENTRON
product designation	multimeter
design of the product	basic
product type designation	7KM PAC3200T
Measurements	
measuring procedure	
• for voltage measurement	TRMS
• for current measurement	TRMS
type of measured value detection	complete
voltage curve	Sinusoidal or distorted
measurable line frequency	
• initial value	45 Hz
• full-scale value	65 Hz
operating mode for measured value detection automatic line frequency detection	Yes
operating mode for measured value detection	
• set at 50 Hz	No
• set to 60 Hz	No
Supply voltage	
design of the power supply	Wide-range power supply
type of voltage of the supply voltage	AC/DC
Suitability	
suitability for operation	Standard mounting rail device
Product Functions	
product function	
• voltage measurement	Yes
• current measurement	Yes
• active power measurement	Yes
• reactive power measurement	Yes
Display and operation	
design of the display	Standard mounting rail enclosure without display
number of keys	4
Communication	
protocol at the Ethernet interface is supported	MODBUS TCP
transfer rate 1 for Ethernet	10 Mbit/s
transfer rate 2 for Ethernet	100 Mbit/s
Fault limits	
reference condition for metering accuracy	In accordance with IEC61557-12, IEC62053-22 and IEC62053-23
Inputs Outputs	

number of digital inputs	1
operating conditions for digital inputs external voltage supply	Yes
number of digital outputs	1
type of switching output	solid state
type of electrical connection at the digital outputs	screw-type terminals

### Measuring inputs

measurable supply voltage between (PE)N and L at AC maximum rated value	230 V
measurable supply voltage between (PE)N and L at AC <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	46 V 276 V
measurable supply voltage between the line conductors at AC maximum rated value	400 V
voltage measuring range extension with external voltage transformers	yes
line conductors and neutral conductors internal resistance for voltage measurement	1 MΩ
measuring category for voltage measurement	CAT III
measurable current <ul style="list-style-type: none"> <li>• 1 at AC rated value</li> <li>• 2 at AC rated value</li> </ul>	1 A 5 A
relative measurable current at AC <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	1 % 120 %
current measuring range extension with external current transformers	Yes
zero point suppression for current measurement <ul style="list-style-type: none"> <li>• for neutral conductor current</li> </ul>	10 mA 45 mA
apparent power consumption for current measurement <ul style="list-style-type: none"> <li>• with measuring range 5 A per phase</li> </ul>	0.5 VA
measuring category for current measurement	CATIII

### Connections

type of electrical connection <ul style="list-style-type: none"> <li>• at the measurement inputs for voltage</li> <li>• at the measurement inputs for current</li> </ul>	screw-type terminals screw-type terminals
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### Mechanical Design

fastening method standard rail mounting	Yes
size of Power Monitoring Device	6MW
height	90 mm
width	108 mm
depth	64 mm
installation depth	70.8 mm
mounting position	any

### Approvals Certificates

General Product Approval	EMV
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[Confirmation](#)



other	Environment
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### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=7KM3200-0CA01-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KM3200-0CA01-1AA0>

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

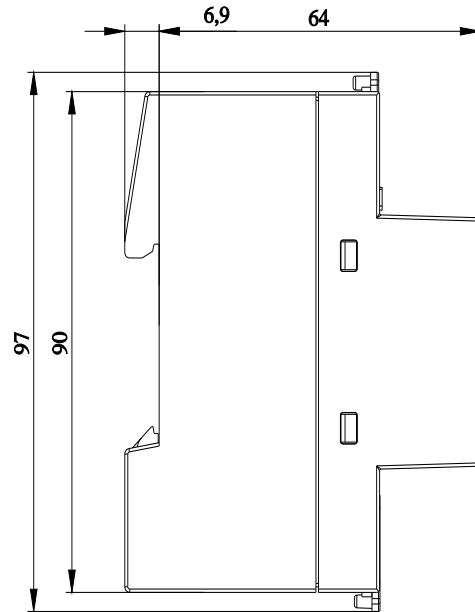
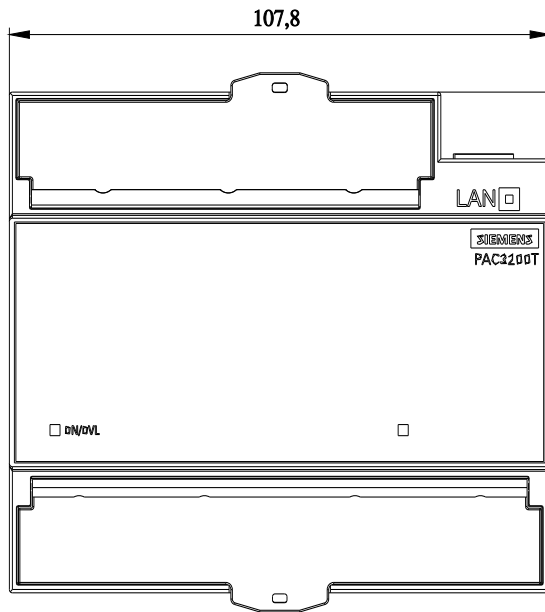
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7KM3200-0CA01-1AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KM3200-0CA01-1AA0)

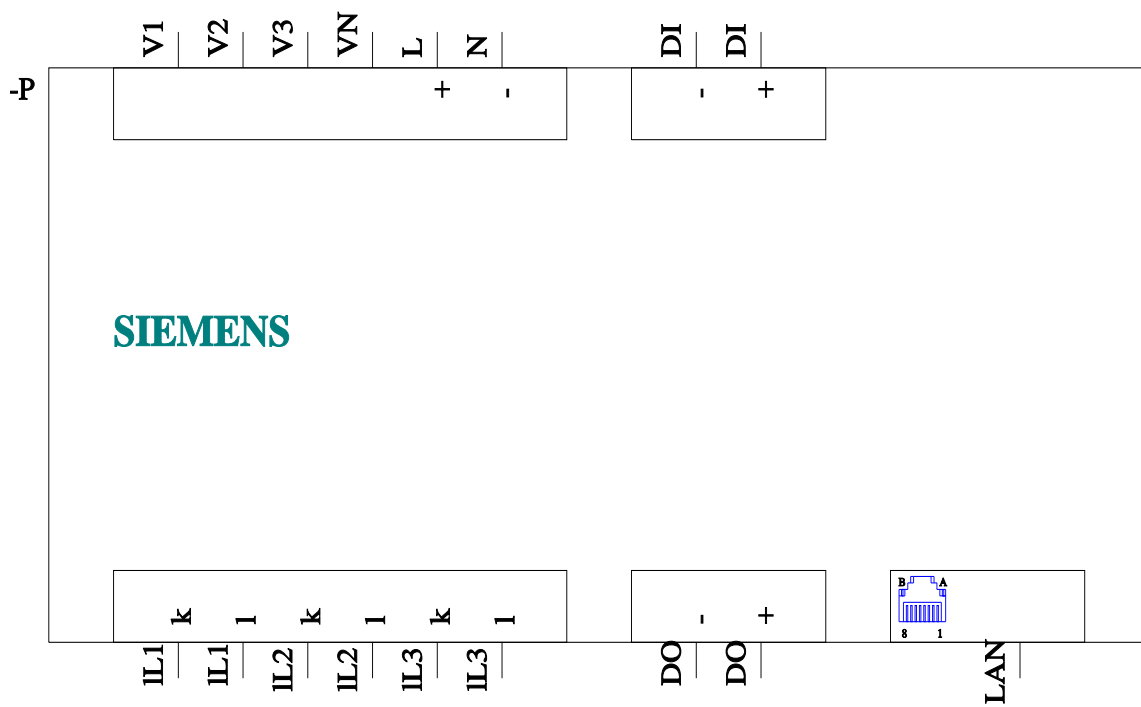
CAX-Online-Generator

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

Tender specifications

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





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