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Data sheet 7KM3200-0CA01-1AA0



SENTRON, measuring device, 7KM PAC3200T, DIN-rail enclosure without display, L-L: 400 V, L-N: 230 V, 5 A, DIN rail instrument, 3-phase, Modbus TCP, apparent / active / reactive energy, wide-voltage power supply unit, AC/DC, screw terminal

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

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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	
● minimum	46 V
● maximum	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	
● 1 at AC rated value	1 A
● 2 at AC rated value	5 A
relative measurable current at AC	
● minimum	10 %
● maximum	120 %
current measuring range extension with external current transformers	Yes
zero point suppression for current measurement	10 mA
● for neutral conductor current	45 mA
apparent power consumption for current measurement	
● with measuring range 5 A per phase	0.5 V·A
measuring category for current measurement	CATIII
Connections	
type of electrical connection	
● at the measurement inputs for voltage	screw-type terminals
● at the measurement inputs for current	screw-type terminals
Mechanical Design	
fastening method DIN-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**

Confirmation

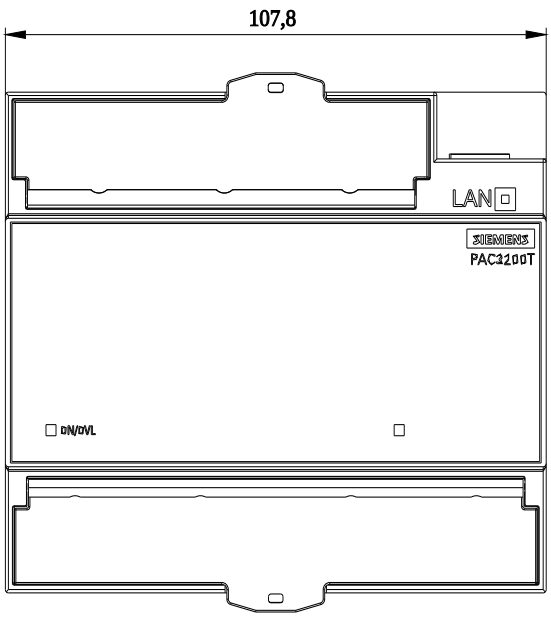
other | **Environment**

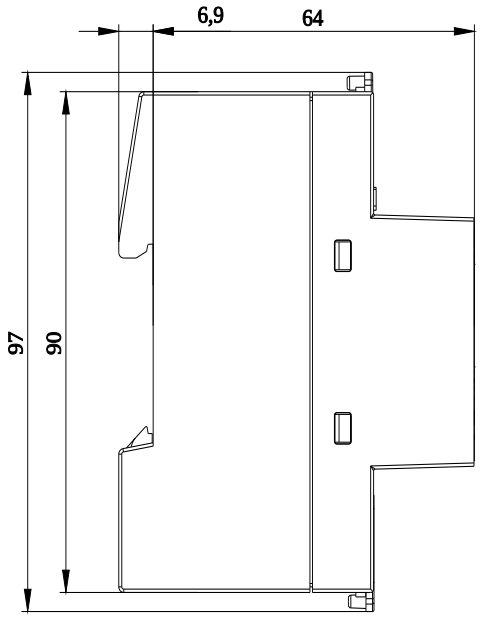
Confirmation | Environmental Confirmations | Environmental Confirmations

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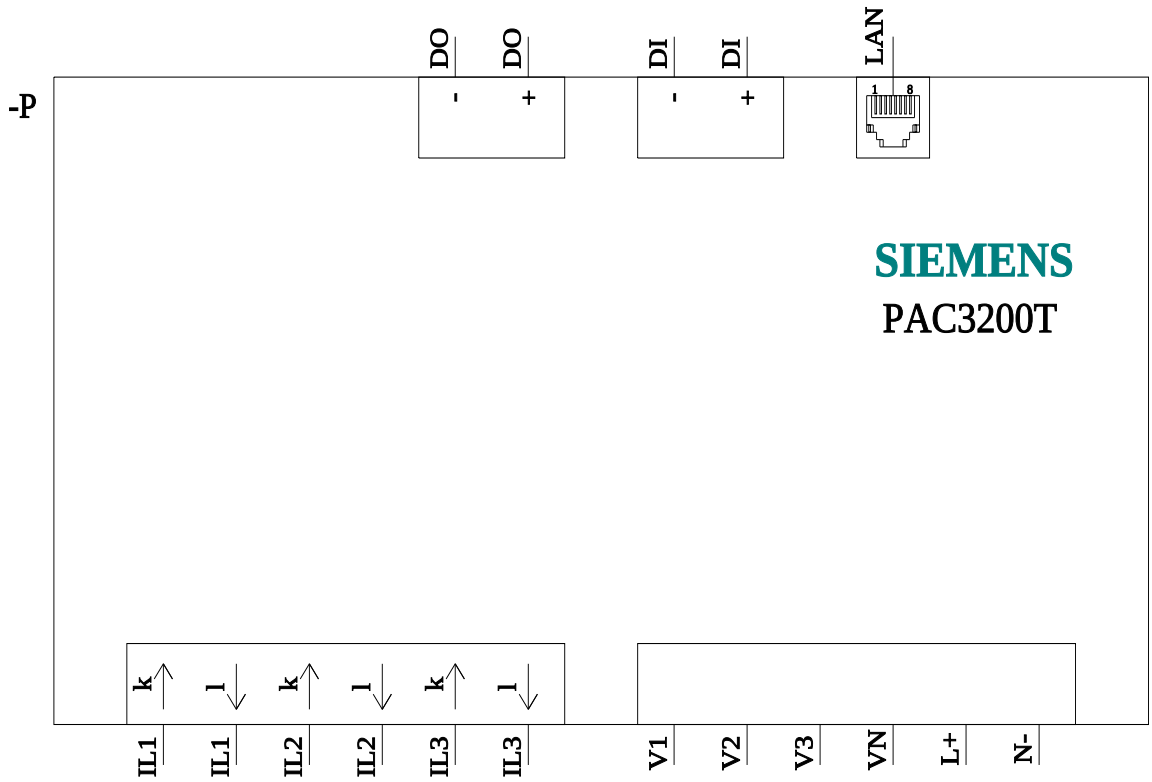
Further information

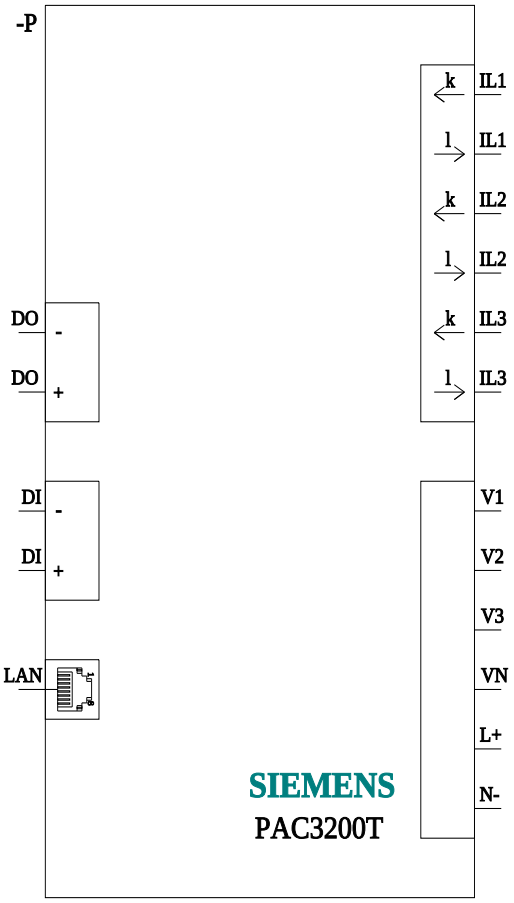
Information on the packaging
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/7KM3200-0CA01-1AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
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