SIEMENS

Data sheet

7KM3220-0BA01-1DA0



SENTRON PAC3220 LCD 96X96 mm Power Monitoring Device Controll panel instrument for electrical values protocol: Modbus TCP with graphics display U rated input: 690/400V 45-65Hz IE rated input: X/1A oder X/5A AC Power supply: 100 ... 250 V +-10 % AC/DC screw connections

product brand name product designation design of the product design of the display and operation design of the display height of the display height of the display design of the display height of the display white display or of the background of the display white display and display the display the display white display white display display the display display the display the display the display d	Model			
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● frequency measurement Pisplay and operation design of the display height of the display width of the display color of the background of the display white	 active power measurement 	Yes		
Display and operation design of the display height of the display width of the display color of the background of the display white	 reactive power measurement 	Yes		
design of the display LCD height of the display width of the display color of the background of the display white	 frequency measurement 	Yes		
height of the display width of the display color of the background of the display 54 mm 72 mm white	Display and operation			
width of the display color of the background of the display white	design of the display	LCD		
color of the background of the display white	height of the display	54 mm		
	width of the display	72 mm		
illuminance of display booklight adjustable	color of the background of the display	white		
iliuminance oi dispiay backiigint adjustable ino	illuminance of display backlight adjustable	No		

time controlled reduction of the illuminance of display	Voc		
time-controlled reduction of the illuminance of display backlight possible	Yes		
display contrast adjustable	Yes		
national language on the display screen is supported	de, en, fr, spa, ita, por, tur, chi, pol		
number of keys	4		
Communication			
number of interfaces according to Fast Ethernet	2		
type of electrical connection of the fast Ethernet interface	2 x RJ45		
protocol at the Ethernet interface is supported	MODBUS TCP		
Fault limits			
reference condition for metering accuracy	In accordance with IEC61557-12, IEC62053-22 and IEC62053-23		
formula for relative total measurement inaccuracy	,		
for measured variable voltage	+/- 0,2 %		
for measured variable current	+/- 0,2 %		
 for measured variable active power 	+/- 0.5 %		
 for measured variable reactive power 	+/- 1 %		
 for measured variable output factor 	+/- 0,5 %		
 for measured variable active energy 	Cl. 0.5 acc. to IEC62053-22		
for measured variable reactive energy	Class 2 according to IEC61557-12 and/or IEC62053-23		
Inputs Outputs			
number of digital inputs	2		
type of electrical connection at the digital inputs	screw-type terminals		
operating conditions for digital inputs external voltage	Yes		
supply	201/		
input voltage at digital input at DC maximum	30 V		
input current at digital input	7 mA		
 initial value for signal<1>-recognition number of digital outputs 	2		
type of switching output	bidirectional		
digital output version	switching or pulse output function		
operating voltage as output voltage at DC maximum	30 V		
permissible			
type of electrical connection at the digital outputs	screw-type terminals		
output current			
 at the digital outputs at DC limited to 100 ms 	130 mA		
maximum	FF 0		
internal resistance at the digital outputs	55 Ω		
standard for pulse emitter	according to IEC62053-31		
pulse duration • initial value	30 ms		
full-scale value	500 ms		
adjustable time period minimum	10 ms		
switching frequency at digital output maximum	17 Hz		
property of the output short-circuit proof	Yes		
Measuring inputs			
measurable supply voltage between (PE)N and L at AC	400 V		
maximum rated value			
measurable supply voltage between (PE)N and L at AC			
• minimum	11.5 V		
• maximum	480 V		
measurable supply voltage between the line conductors at	690 V		
AC maximum rated value			
voltage measuring range extension with external voltage transformers	yes		
line conductors and neutral conductors internal resistance for voltage measurement	1.5 ΜΩ		
measuring category for voltage measurement	CATIII		
measurable current			
• 1 at AC rated value	1 A		
• 2 at AC rated value	5 A		
relative measurable current at AC	4.07		
• minimum	1 %		
maximum aurrent magazing range extension with external current.	100 %		
current measuring range extension with external current transformers	Yes		

zero point suppression for current measurement	0 10 %		
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 standard rail mounting	No		
size of Power Monitoring Device	size 96		
height	96 mm		
width	96 mm		
depth	56 mm		
installation depth	51 mm		
net weight	325 g		
mounting position	vertical		
Environmental conditions			
ambient temperature during operation			
• minimum	-25 °C		
• maximum	55 °C		
ambient temperature during storage			
• minimum	-25 °C		
• maximum	70 °C		
relative humidity at 25 °C without condensation during operation maximum	75 %		
installation altitude at height above sea level maximum	2 000 m		
degree of pollution	2		
Certificates			
certificate of suitability as EC Declaration of Conformity	yes		
General Product Approval		EMC	Declaration of Conformity

Declaration of Conformity

Confirmation

other



Miscellaneous

Environmental Confirmations

KC

Miscellaneous

PROFINET-Certification

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=7KM3220-0BA01-1DA0

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

https://support.industry.siemens.com/cs/ww/en/ps/7KM3220-0BA01-1DA0

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KM3220-0BA01-1DA0

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







