SIEMENS

Data sheet

7KT1663

SENTRON, measuring device, 7KT PAC1600, LCD, L-L: 400 V, L-N: 230 V, 5 A, strd rail instr., 3-phase, M-Bus, apparent/ active/reactive energy, self-powered, screw terminals



Model	
Product brand name	SENTRON
Design of the product	basic
Product type designation	Measuring instrument
Type of measured value detection	complete
General technical data	
Operating mode for measured value detection	
 automatic line frequency detection 	Yes
• set at 50 Hz	No
• set to 60 Hz	No
Voltage curve	Sinusoidal or distorted
Measurable line frequency / initial value	45 Hz
Measurable line frequency / Full-scale value	66 Hz
Measuring procedure / for voltage measurement	TRMS
Supply voltage	
Type of voltage / of the supply voltage	self-powered
Consumed active power	
 without expansion module / typical 	2.7 W

Protection class	
Protection class IP	
• on the front	IP40
• Rear side	IP20
Electricity Measurable current / 2 / at AC / Rated value	5 A
Suitability	
Suitability for operation	Standard mounting rail device
Product function	
Product function	
 reactive power measurement 	Yes
 frequency measurement 	Yes
 voltage measurement 	Yes
Current measurement	Yes
 active power measurement 	Yes
Display and operation	
Design of the display	LCD
Number of keys	3
Communication	
Transfer rate	
• minimum	300 kbit/s
• maximum	38 400 kbit/s
Inputs Outputs	
Input voltage / at digital input	
 initial value for signal<1>-recognition 	85 V
• at DC / maximum	240 V
 Full-scale value for signal<0> recognition 	240 V
Number of digital outputs	0
Number of digital inputs	1
Type of switching output	solid state
Type of electrical connection	
• at the digital outputs	screw-type terminals
Operating conditions for digital inputs / external	Yes
voltage supply	
Measuring inputs	
Measurable supply voltage	
 between (PE)N and L / at AC / minimum 	187 V
 between (PE)N and L / at AC / maximum 	264 V
 between (PE)N and L / at AC / maximum rated 	230 V
value	

Maximum rated value CATIII Measuring category / for voltage measurement CATIII Continuous current / at AC / maximum permissible 6 A Measuring category / for current measurement CATIII Zero-point suppression / for current measurement 10 mA Relative measurable current / at AC		
Massuring category / for voltage measurement CATIII Continuous current / at AC / maximum permissible 6 A Measuring category / for current measurement CATIII Zero-point suppression / for current measurement 10 mA Relative measurable current / at AC	 between the outer conductors / at AC / 	400 V
Continuous current / at AC / maximum permissible 6 A Measuring category / for current measurement CATIII Zero-point suppression / for current measurement 10 mA Relative measurable current / at AC	maximum rated value	
Measuring category / for current measurement CATIII Zero-point suppression / for current measurement 10 mA Relative measurable current / at AC 1% • minimum 1% • maximum 120 % Apparent power consumption / for current measurement 3 V·A • with measuring range 5 A / per phase 3 V·A Measurable current / 1 / at AC / Rated value 5 A Connections 5 A Connections screw-type terminals • at the measurement inputs for current screw-type terminals • at the measurement inputs for current 90 mm • Attenancial Design 91 mm Wridth 71.6 mm Depth 63 mm	Measuring category / for voltage measurement	CATIII
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Height 90 mm Width 71.6 mm Depth 63 mm Mounting type / panel mounting No	 at the measurement inputs for current 	screw-type terminals
Width 71.6 mm Depth 63 mm Mounting type / panel mounting No	Mechanical Design	
Depth 63 mm Mounting type / panel mounting No	Height	90 mm
Mounting type / panel mounting No	Width	71.6 mm
	Depth	63 mm
Mounting position any	Mounting type / panel mounting	No
	Mounting position	any

Environmental conditions	
Installation altitude / at height above sea level /	2 000 m
maximum	
Relative humidity / at 25 °C / without condensation /	
during operation	
	80 %
Ambient temperature	
	-25 +55 °C
	-25 +70 °C
Certificates	

280 g

Certificate of suitability

Net weight

Approval Russia

Yes



Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7KT1663

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/7KT1663

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KT1663

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

Tender specifications

http://www.siemens.com/specifications



