

Measuring devices

7KT1 390 LAN server

Technical specifications

Data acc. to EN 61010-1			7KT1 390
Supply			
• Rated control supply voltage U_c		V AC	230
• Operating range		x U_c	0.8 ... 1.2
• Rated frequency		Hz	50
• Frequency range		Hz	45 ... 65
• Rated power dissipation P_v		VA	≤ 5
Functions			
• System start			automatic when the control supply voltage is switched on
• LAN server identification			over the IP address
• Device identification			automatic, by means of the device number
• Transmission rate		Mbit/s	≤ 100 (network-dependent)
• Data storage (parameters, last measured values)	Flash memory	a	10
RS 485 interface for connection of measuring devices			
• Line	Design		STP (shielded twisted pair)
- Minimum cross-section		mm ²	2 × 0.2 / AWG 24
- Maximum line capacity		pF/m	< 50
- Impedance		Ω	100
- Maximum overall line length		m	1800
- Type of installation			parallel connection
Safety acc. to EN 61010-1			
• Pollution severity			2
• Overvoltage category			II
• Operating voltage category		V	600
• Material			II
• Clearances		mm	≥ 3
• Creepage distances	in device	mm	≥ 4.3
	on printed board, not installed	mm	≥ 3
• Test surge voltage	1.2/50 μs	kV	4
• Test voltage	50 Hz, 1 min	kV	2.2
Terminals			
	±screw (Pozidriv)		1
• Conductor cross-sections	rigid, maximum	mm ²	1 × 2.5 or 2 × 1.5
	flexible with sleeve, min.	mm ²	1 × 0.75
Ambient conditions			
• Ambient temperature	in operation	°C	0 ... +55
• Relative humidity	in operation	%	≤ 80
• Vibration	sinusoidal amplitude at 50 Hz	mm	±0.25
• Degree of protection	acc. to EN 60529		IP20
• Safety class	acc. to EN 61010-1		II
Software requirements for PCs			
• Operating system			MS Windows 2000 or Windows XP
• Software for communication			MS Information Server for Windows 2000 or Windows XP (included in MS Windows 2000 or Windows XP) .net Framework V2.0 (included in delivery of Disk, version 1.x) MS Office 2003 Webservice Toolkit (for PC clients, for communicating with the server)
• Software for visualization			MS Excel, version 6 or higher MS Excel macro for display of data (included in delivery of disk, version 1.x)