

Technical specifications

		7KT1 390
Standards		EN 61010-1
Supply		
• Rated control supply voltage U_c	V AC	230
• Operating range	x U_c	0.8 ... 1.2
• Rated frequency	Hz	50
• Frequency ranges	Hz	45 ... 65
• Rated power dissipation P_v	VA	≤ 5
Function		
• System start		Automatic when the control supply voltage is switched on
• LAN coupler identification		Over the IP address
• Device identification		By means of the device number
• Transmission rate	Mbit/s	100
RS 485 interface for connection of measuring devices		
• Line version		STP (shielded twisted pair)
- minimum cross-section	mm ²	2 x 0.2 / AWG 24
- maximum line capacity	pF/m	< 50
- impedance	W	100
- maximum overall cable length	m	1800
- type of installation		Parallel connection
Safety according to EN 61010-1		
• Degree of pollution		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 pulse voltage	1.2/50 μs	kV
• Test voltage	50 Hz, 1 min	kV
Terminals	± screw (Pozidriv)	1
• Conductor cross-sections		
- rigid, maximum	mm ²	1 x 2.5 or 2 x 1.5
- flexible, with end sleeve, minimum	mm ²	1 x 0.75

7KT1 390**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, with connected conductors
• Safety class	acc. to EN 61010-1		II

Software requirements for PCs

• Operating system	MS Windows 2000, Windows XP or Windows Vista
• Software for communication	.net Framework V1.1 (included in delivery)
• Software for visualization	MS Excel, version 6 or higher MS Excel macro for the display of data (included in delivery)