

BETA Measuring Single-Phase Measuring Devices

7KT5 5, 7KT5 6 time counters for front-panel mounting

Overview

Time and pulse counters for control cabinets, control and mechanical engineering are used, e.g. in boilers, machine tools or compressors. The pulse counters count the starting frequencies. This supports planning for preventative maintenance.

In-time and regular maintenance is the best protection against unexpected shutdowns. Time counters count the time in hours with an accuracy of two decimal places (hundredths of an hour).

Benefits

- Time and pulse counters help to plan maintenance intervals and ensure high plant availability.

Technical specifications

		7KT5 500	7KT5 501	7KT5 502	7KT5 503	7KT5 504	7KT5 505
Standards		DIN VDE 0435-110; EN 60255-6					
Rated control supply voltage U_c	V AC V DC	-- 10 ... 80	115 --	230	115	230	24
Operating range	$\times U_c$	0.9 ... 1.1					
Rated frequency	Hz	--	50		60		50
Rated power dissipation P_v	VA	< 1	0.2	1.8	0.9	1.8	0.2
Method of operation	Counting of	Hours					
Display	Drum-type register	h 0000.00					
Pulse duration	Pulse length, pulse interval	ms 50					
Front-panel mounting	Switchboard cutout	mm x mm 45.2 x 45.2 ^{+0.3} Ø mm 50.2 ^{+0.3}					
	• Without cover 55 mm x 55 mm • With cover 55 mm x 55 mm						
Terminals	± screw (Phillips)	1					
Conductor cross-sections	Rigid Flexible, with end sleeve, min.	mm ² mm ²	1.5 0.75				
Permissible ambient temperature		°C -10 ... +70					
Degree of protection	Acc. to EN 60529	IP65 IP43 IP20, with connected conductors					
	• Front panel • Installation with seal • Terminals						
Safety class	Acc. to EN 61140/ VDE 0140-1	II					
Permissible humidity		%					

		7KT5 600	7KT5 601	7KT5 602	7KT5 603	7KT5 604
Standards		DIN VDE 0435-110; EN 60255-6				
Rated control supply voltage U_c	V AC V DC	-- 10 ... 50	115 --	230	115	230
Operating range	$\times U_c$	0.9 ... 1.1				
Rated frequency	Hz	--	50		60	
Rated power dissipation P_v	VA	< 1				
Method of operation	Counting of	Hours				
Display	Drum-type register	h 0000.00				
Pulse duration	Pulse length, pulse interval	ms 50				
Front-panel mounting	Switchboard cutout	mm x mm 68 ^{+0.5} x 68 ^{+0.5}				
Terminals	± screw (Phillips)	1				
Conductor cross-sections	Rigid Flexible, with end sleeve, min.	mm ² mm ²	1.5 0.75			
Permissible ambient temperature		°C -10 ... +70				
Degree of protection	Acc. to EN 60529	IP52 IP00				
	• Front panel • Terminals					
Safety class	Acc. to EN 61140/ VDE 0140-1	II				
Permissible humidity		%				