



# Technical Data

## MTC 5000 Traffic Controller Series

# MTC 5000

### Housing

Standard cabinet without / with ESC element	size 3
Max. number of slots without / with ESC element	24 / 18
ESC element	as required locally

### Control electronics

Max. number of channels without / with ESC element	288 / 216
Max. number of signal groups	64
Control technology	fully electronic system using microprocessor technology
Communication options / interfaces	serial, parallel, various interfaces
Control kernels	Trelan/Trends, VS-Plus
Clock generator and clock accuracy	mains frequency, optionally DCF 77 radio clock
Time base for co-ordination	freely programmable
Error indication	plain text via display, service notebook
Signal sequence	all signal sequences programmable
Startup and shutdown program	freely programmable
Street-lighting unit	optional
Data supply	via service notebook, program generation using high-level language

### Safety technology

Signal fault prevention	fail-safe technology to DIN / VDE 0832-100, two-channel diversity monitoring of lamp status
Intergreen monitoring time	intergreen time calculator
Radio noise suppression	CE-mark / EN 50293 (DIN VDE 0832-200) / EN 60950
Lamp monitoring	freely configurable triac-switch channels, current and voltage measurement against accidental switching on / off

### Electrical specifications

Max. connected load	3.5 kW; strengthened controller 4.5 kW	
Max. power consumption without lamp output	0.3 kW	
Mains voltage	230 V (-15 ... +10%)	
Mains frequency	50 Hz (-2 ... +2%)	
Max. lamp output per signal switch at	10 V / 40 V / 230 V OCIT LED signal heads 40 V AC	40 W / 80 W / 400 W 5 - 9 W
Energy reserve	30 ms (thereafter shutdown and restart)	

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