



SC 53.17 pro

Master clock

- 2 slave-clock-output-lines
- Output-line 2 adjustable to a pulse repetition rate of one per sec
- For approx. 200 slave clocks (24 V DC, 1.5 A, pole changing pulse)
- Power supply unit for slave clocks not included in delivery
- Short-circuit proof
- Automatic adjustment of the slave clocks
- Automatic time correction of slave clock/s after supply voltage interruption
- Fully automatic summertime change (European standard) with 60 additional pulses or 1 hour pulse suppression of the slave-clock-line
- Monitoring of the slave-clock-line and malfunction indicator in display
- Security by PIN-Code
- Illuminated display
- Data-key function
- DCF function

Further information / Accessory

Accessory: Data-key DK pro and programming package PP 50 pro
(not included in delivery of the time switch)



Accessory: DCF radio receiver FU 20.00 pro
(not included in delivery of the time switch)



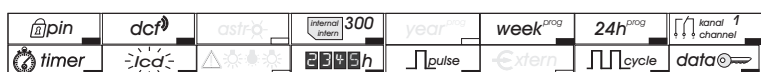
Accessory : Power supply unit NT 73 pro for slave clocks
(not included in delivery of the time switch)



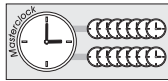
Highlights

- Text based menu and self-explanatory symbols
- Display with a large dot matrix area to provide two high resolution text lines
- Easy handling. Quick and intuitive programmable time switch
- Can be programmed with supply disconnected (6 years battery-reserve)
- Unlimited program security by E²-PROM
- Programmable with PC (Accessory Data-key DK pro and Programming package PP 50 pro)

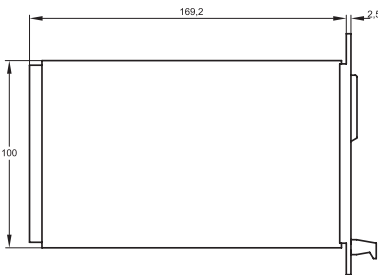
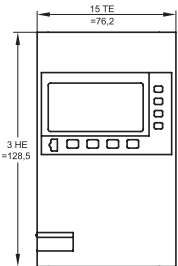
Overview time switch function (Functions similar to SC 83.10 pro)



- 1 channel (change-over)
- Daily and weekly program
- 300 memory locations
- Minimum interval 1 min
- Permanent by date
- Manual override
- Elapsed time and pulse counter
- Pulse function
- Cycle function
- Timer function
- Channel button function
- DCF function
- Data-key function



Digital time switch as master clock SC 53.17 pro pluggable into 19"-housing (DIN EN 41494)

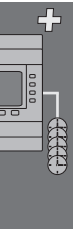


Technical data master clock unit (2 slave-clock-lines)

Output voltage	24 VDC (12 VDC / 48 VDC / 60 VDC) (adjustable with DIP switch on PCB)
Output current	1.5 A per slave-clock-output
Max. number slave clocks	For each slave-clock-output: approx. 200 slave clocks à 7 mA
Output signal	Pole changing pulse
Pulse sequence	Normal operation 1/min; during adjustment 10/min
Pulse length Pulse function (switching time)	When pulsing every minute approx. 1.5 sec. When pulsing every second approx. 0.5 sec.

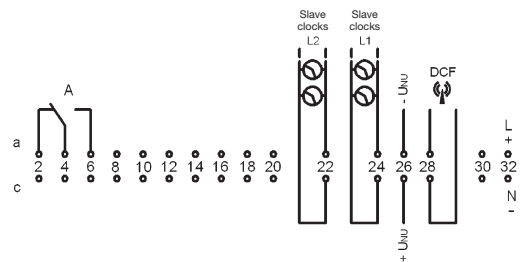
Technical data master clock unit

Supply voltage	230 V, 50–60 Hz
Power consumption (real power)	1.2–2.3 W (depending on the switching status)
Channels (potential-free)	Change-over, contact gap < 3 mm (µ)
Contact material	AgSnO ₂
Switching capacity per channel	5 A / 250 V~ at cosφ=1 5 A with inductive load cosφ=0.6
Min. switching power	1000 mW (10 V / 10 mA)
Max. starting current	50 A
Switching functions	ON, OFF, pulse, cycle
Pulse length Pulse function (switching time)	00:01 up to 59:59 mm:ss
Pulse length Timer (man. switching)	0:00:01 up to 9:59:59 h:mm:ss
Pulse/Pause length Cycle	0:00:01 up to 9:59:59 h:mm:ss
Memory locations	300
Minimum interval	1 min
Time base	Quartz crystal or DCF 77 (FU 20.00 pro)
Power back-up (at 20°C)	approx. 6 years (depends on the Lithium-battery life)
Program security	unlimited by E ² -PROM
Quartz-crystal accuracy (at 20°C)	≤ ±1.5 sec/day
Display	high resolution LCD (visible area 12.8 cm ²)
Permitted ambient temperature	-10°...+50°C
Enclosure	self-extinguishing thermoplastic
Dimensions	128.5 x 76.2 mm
Mounting	pluggable into 19"-housing
Type of protection	IP 00 to DIN EN 60529
Class of protection	I when installed according to regulations
Accessories (not included in delivery)	Data-key DK pro, DCF radio receiver FU 20.00 pro, programming package PP 50 pro, Power supply unit NT 73 pro



Overview time switch functions

	Switching time	Channel-key
ON/OFF	✓	✓
Permanent	✓	✓
Pulse	✓	
Timer		✓
Cycle	✓	✓
Astro		
Permanent by date	✓	
Yearly program		



Each line can be separately configured to pulse every minute or second

Order number	Number of slave-clock-lines	Channels	Time base
SC 53.17 pro	2	1	Quartz/DCF

✓ Housing colour