

## SC 95.47 pro



### Masterclock

- For approx. 200 slave clocks (24 VDC, 1.5 A, pole changing pulse)
- No extra power supply unit needed (integrated 24 VDC power supply unit for slave clock pulses and GPS receiver operation)
- Short-circuit proof
- Automatic adjustment of the slave clocks
- Automatic slave clock time correction after power failure
- 10 years battery-reserve for logic controller
- Fully automatic summertime change (European standard) with 60 additional pulses or pulse suppression for 1 hour 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 / GPS function
- Frontswitch (potential-free) can be use to control an arbitrary application

### Further information / Accessory

**Accessory: Data-key DK pro and Programming package PP 50 pro / PP 60 pro**  
(not included in delivery of the time switch)



**Accessory: Radio receiver DCF-Time FU 20.00 pro**  
(not included in delivery of the time switch)



**Accessory: Radio receiver GPS-Time FU 3x.00 pro**  
(not included in delivery of the time switch)

### Highlights

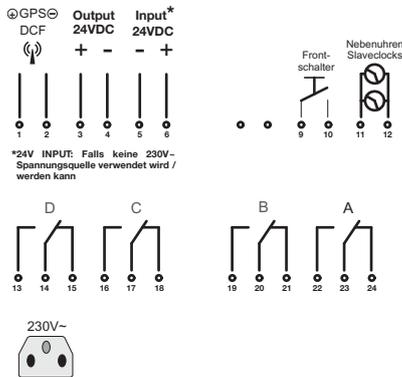
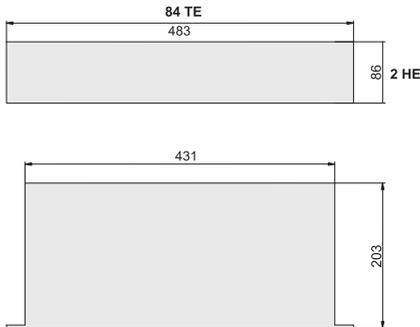
- Yearly program with Easter function, Weekday function and Extra-switching-time function
- 24 VDC power supply integrated
- Text based menu and self-explanatory symbols
- Display with a large dot matrix area to provide two high resolution text lines
- Easy handling. Quick and intuitive programmable time switch
- Can be programmed with supply disconnected
- Unlimited program security by E<sup>2</sup>-PROM
- Programmable with PC (Accessory Data-key DK pro and Programming package PP 50 pro / PP 60 pro)

### Overview time switch function (Functions similar to SC 93.40 pro)

- |                                    |                           |
|------------------------------------|---------------------------|
| ■ 4 channel (change-over)          | ■ Pulse function          |
| ■ Daily, weekly and yearly program | ■ Cycle function          |
| ■ 300 memory locations             | ■ Timer function          |
| ■ Minimum interval 1 min.          | ■ Channel button function |
| ■ Permanent by date                | ■ DCF function            |
| ■ Manual override                  | ■ Data-key function       |
| ■ Elapsed time and pulse counter   |                           |

## Digital time switches as masterlocks SC 95.47 pro pluggable into 19"-housing (DIN EN 41494)

### Technical data masterclock unit



<b>Output voltage</b>	24 V-pole changing pulse
<b>Output current</b>	1.5 A
<b>Max. number slave clocks</b>	approx. 200 slave clocks à 7 mA
<b>Output signal</b>	Pole changing pulse
<b>Pulse sequence</b>	Normal operation 1/min.; during adjustment 10/min.
<b>Pulse length</b>	approx. 2 sec. (adjustable)

### Technical data / Technical data time switch unit

<b>Supply voltage</b>	230 V, 50–60 Hz or 24 VDC with max. 3 A
<b>Power consumption (real power)</b>	1.2–3.2 W (depending on the switching status)
<b>Channels (potential-free)</b>	Change-over, contact gap < 3 mm (µ)
<b>Contact material</b>	AgNi
<b>Switching capacity per channel</b>	5 A / 250 V~ at cosφ=1 5 A with inductive load cosφ=0.6
<b>Min. switching power</b>	300 mW (5 V / 5 mA)
<b>Max. starting current</b>	30 A
<b>Filament Lamp, Halogen Lamp</b>	400 W
<b>Fluorescent Lamp with electron. lamp ballast</b>	100 W
<b>Fluorescent Lamp with convent. lamp ballast</b>	100 W
<b>LED (230 V~) / CFL</b>	50 W
<b>Switching functions</b>	ON; OFF; pulse; cycle; yearly program
<b>Pulse length Pulse</b>	00:01 up to 59:59 mm:ss
<b>Pulse length Timer (man. switching)</b>	0:00:01 up to 9:59:59 h:mm:ss
<b>Pulse/Pause length Cycle</b>	0:00:01 up to 9:59:59 h:mm:ss
<b>Memory locations</b>	300
<b>Minimum interval</b>	1 min.
<b>Time base</b>	Quartz or DCF / GPS (FU 20.00 pro / FU 3x.00 pro)
<b>Quartz accuracy (at 20°C)</b>	≤ ±0.5 sec./day (Quartz accuracy optimized for typical ambient conditions)
<b>Power back-up (at 20°C)</b>	approx. 10 years (depends on the Lithium-battery life)
<b>Program security</b>	unlimited (E <sup>2</sup> -PROM)
<b>Display</b>	high resolution LCD (visible area 12.8 cm <sup>2</sup> )
<b>Permitted ambient temperature</b>	–30°...+50°C
<b>Housing</b>	self-extinguishing thermoplastic
<b>Dimensions</b>	2 HE, 84 TE (483 x 86 x 203 mm)
<b>Mounting</b>	Pluggable into 19"-housing
<b>Type of protection</b>	IP 20 to DIN EN 60529
<b>Class of protection</b>	II when installed according to regulations
<b>Mode of operation (DIN EN 60730-1)</b>	1 BSTU
<b>Degree of contamination (DIN EN 60730-1)</b>	2
<b>Rated surge voltage (DIN EN 60730-1)</b>	4 kV
<b>Frontswitch</b>	<b>potential-free frontswitch</b> 5 A / 250 V~ at cosφ=1
<b>Accessories (not included in delivery)</b>	Data-key DK pro, Radio receiver FU 20.00 pro / FU 3x.00 pro, Programming package PP 50 pro / PP 60 pro

\*\* If no 230 V~ power supply is available a 24 VDC source (load 3 A) can alternatively be used.

Order number	Number of slave-clock-lines	Channels
SC 95.47 pro	1	4

✓ Housing colour