

## 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 masterclocks SC 95.47 pro pluggable into 19"-housing (DIN EN 41494)

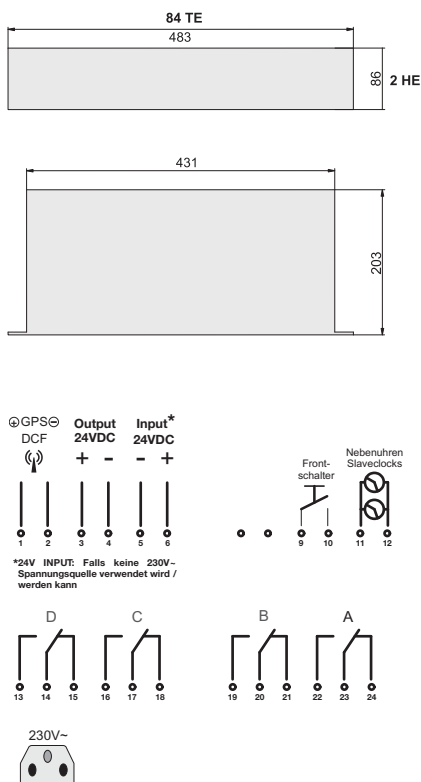
### Technical data masterclock unit

|                                 |  |
|---------------------------------|--|
| <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<br>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><br>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 |                             |          |