



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 VDC, 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
- 10 years battery-reserve
- 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 function

Further information / Accessory

Accessory: Data-key DK pro and programming package PP 50 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)

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



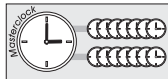
Highlights

- 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
- Unlimited program security by E²-PROM
- Programmable with PC (Accessory Data-key DK pro and Programming package PP 50 pro)

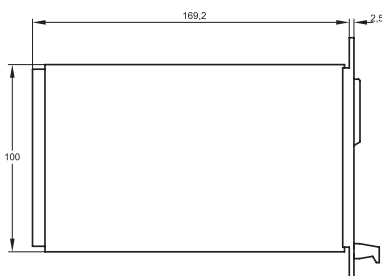
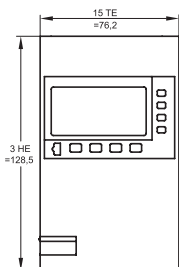
Overview time switch function (Functions similar to SC 83.10 pro)

| | | | | | | | |
|-------|---------|----------|------------------|-------|----------------------|---------------------|-----------------|
| pin | gps/DCF | astr | 300 internal mem | year | week ^{prog} | 24h ^{prog} | kanal 1 channel |
| timer | load | sun/moon | 3h | pulse | extern | cycle | data |

- 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)

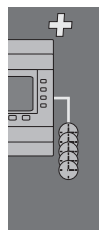


Technical data master clock unit (2 slave-clock-lines)

| | |
|---|--|
| 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. 2.0 sec. When pulsing every second approx. 0.5 sec. |

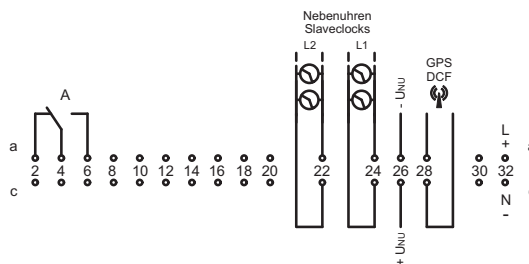
Technical data time switch unit

| | |
|---|---|
| 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 | 1,000 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 or DCF / GPS (FU 20.00 pro / FU 3x.00 pro) |
| Power back-up (at 20°C) | approx. 10 years (depends on the Lithium-battery life) |
| Program security | unlimited (E ² -PROM) |
| Quartz accuracy (at 20°C) | ≤ ±0.5 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, Radio Receiver FU 20.00 pro / FU 3x.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