



Save time

SC 93.47 pro

Masterclock

- 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 / 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)

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



Accessory: 32 pole multipoint socket connector
(not included in delivery of the time switch)

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

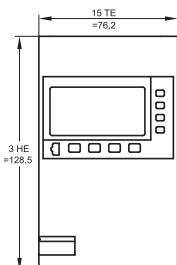
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|------------------------------------|---------------------------|
| ■ 4 channel (change-over) | ■ Pulse function |
| ■ Daily, weekly and yearly program | ■ Cycle function |
| ■ 300 memory locations | ■ Timer function |
| ■ Minimum interval 1 min.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

Highlights

- Yearly program with Easter function, Weekday function and Extra-switching-time function
- 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 / PP 60 pro)

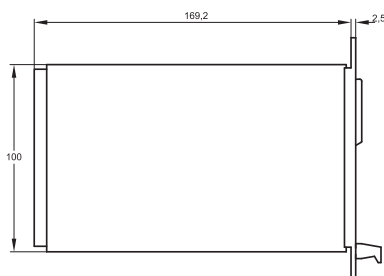
Digital time switches as masterclocks SC 93.47 pro pluggable into 19"-housing (DIN EN 41494)

Technical data masterclock unit

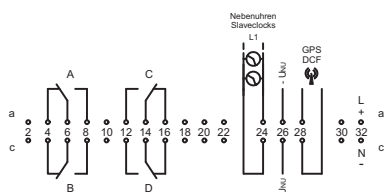


Output voltage	24 VDC (12 VDC / 48 VDC / 60 VDC) (adjustable with DIP switch on PCB)
Output current	1.5 A
Max. number slave clocks	approx. 200 slave clocks à 7 mA
Output signal	Pole changing pulse
Pulse sequence	Normal operation 1/min.; during adjustment 10/min.
Pulse length	approx. 2 sec. (adjustable)

Technical data / Technical data time switch unit



Supply voltage	230 V, 50–60 Hz
Power consumption (real power)	1.2–3.2 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
Filament Lamp, Halogen Lamp	1,250 W
Fluorescent Lamp uncompensated	1,000 VA
Fluorescent Lamp series compensated	1,000 VA
Fluorescent Lamp parallel compensated	550 VA
LED (230 V~) / CFL	200 W
Switching functions	ON; OFF; pulse; cycle; yearly program
Pulse length	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)
Quartz accuracy (at 20°C)	≤ ±0.5 sec./day (Quartz accuracy optimized for typical ambient conditions)
Power back-up (at 20°C)	approx. 10 years (depends on the Lithium-battery life)
Program security	unlimited (E ² -PROM)
Display	high resolution LCD (visible area 12.8 cm ²)
Permitted ambient temperature	–30°...+50°C
Housing	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
Mode of operation (DIN EN 60730-1)	1 BSTU
Degree of contamination (DIN EN 60730-1)	2
Rated surge voltage (DIN EN 60730-1)	4 kV
Accessories (not included in delivery)	Data-key DK pro, Radio receiver FU 20.00 pro / FU 3x.00 pro, Programming package PP 50 pro / PP 60 pro, Power supply unit NT 73 pro, 32 pole (multipoint) socket connector



Order number	Number of slave-clock-lines	Channels	Time base
SC 93.47 pro	1	4	Quartz/DCF

✓ Housing colour