

MASTERCLOCKS

müller SC 95.47 pro



Overview

- For approx. 200 slave clocks (24 V DC, 1.5 A, pole changing pulse)
- No extra power supply unit needed (24 V DC slave clocks and GPS-time antenna included)
- 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 / GPS function
- Frontswitch (potential-free) can be used to control an arbitrary application

Accessories



PP 50.00 pro



müller FU 20.00 pro



müller FU 3x.00 pro

Overview time switch function

- 4 channels (change-over)
- Daily, weekly and yearly 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 / GPS function
- Data-key function

Highlights

- Yearly program within Easter function, Weekday function and Extra-switching-time function
- Text based Menu
- Display with a large dot matrix area to provide two high resolution text lines
- Easy handling
- Quick and intuitive programmable
- Unlimited program security by E²-PROM
- Programmable with PC (Accessory Data-key DK pro and Programming package PP 50 pro / PP 60 pro)

Intended use

- The device fits for the particular use of the following tasks: Regulation of slave clocks in schools, sports halls, hospitals, factories and companies or huge buildings as well as for church clocks.
- Operate the device in a dry room only!
- The installation must be in accordance with the instruction manual.

Order numbers

| | |
|--------------|---------------------------------|
| ■ müller | |
| SC 95.47 pro | 1 Slaveclock-line 4 Channels |

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Order information

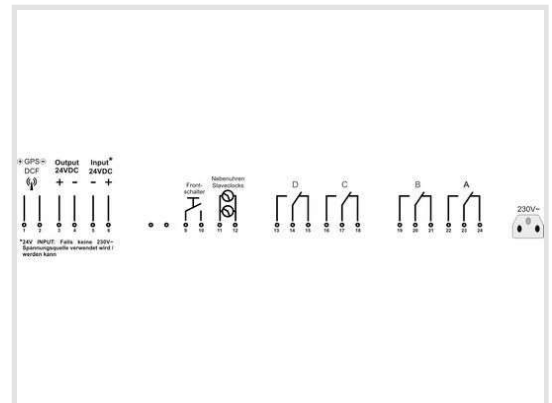
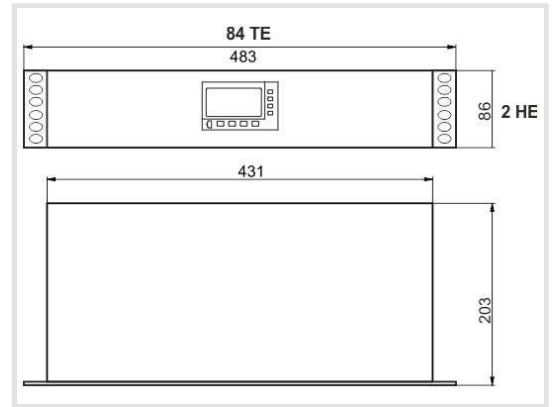
| | Voltage | EAN | Art. No. |
|--------------|--------------------------|---------------|----------|
| SC 95.47 pro | 230 V 50-60 Hz & 24 V DC | 4022709230065 | 23006 |

Technical data master clock unit

| | |
|--------------------------|---|
| Output voltage | 24 V-pole changing pulse |
| 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

| | |
|---|---|
| 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 \square 3 mm (μ) |
| Contact material | AgNi |
| Switching capacity per channel | |
| resistive load: | 5 A / 250 V~ at $\cos\phi=1$ |
| inductive load: | 5 A at $\cos\phi=0,6$ |
| Min. switching power | 300 mW (5 V / 5 mA) |
| Max. starting current | 30 A |
| Filament Lamp, Halogen Lamp | 400 W |
| Fluorescent Lamp with electron. lamp ballast | 100 W |
| Fluorescent Lamp with convent. lamp ballast | 100 W |
| LED (230 V~) / CFL | 50 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 DCF (FU 20.00 pro) GPS (FU 3x.00 pro) |
| Quartz accuracy (at 20 °C) | $\leq \pm 0,5$ Sec./day (Quartz accuracy optimized for typical ambient conditions) |
| Power back-up (at 20 °C) | approx. 10 years (depends on the Lithium-battery life) |
| 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) (DIN EN 60730-2-7) | 1 BSTU |
| Degree of contamination (DIN EN 60730-1) | 2 |
| Rated surge voltage (DIN EN 60730-1) | 4 kV |
| Frontswitch | potential-free frontswitch 5 A / 250 V~ at $\cos\phi=1$ |
| Accessories (not included in delivery) | Data-key DK pro Programming package PP 50 pro Programming package PP 60 pro Radio receiver FU 20.00 pro Radio receiver FU 3x.00 pro |



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