

# MASTERCLOCKS

## müller SC 58.17 pro



### Accessories



DK pro



PP 50.00 pro



müller FU 20.00 pro



müller FU 3x.00 pro

### Overview

- For approx. 20 slave clocks (24 V DC, 150 mA, pole changing pulse)
- Short-circuit proof
- Automatic adjustment of the slave clocks
- Automatic time correction of slave clock/s after supply voltage interruption
- Repetition of the last applied minutepulse
- 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 function

### Overview time switch function

- 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

### Highlights

- Text based Menu
- Display with a large dot matrix area to provide two high resolution text lines
- Easy handling
- Quick and intuitive programmable
- 10 years battery-reserve
- Unlimited program security by E<sup>2</sup>-PROM

### 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 58.17 pro	1 Slaveclock line 1 channel

# MASTERCLOCKS

## müller SC 58.17 pro

### Order information

	Voltage	EAN	Art. No.
<b>SC 58.17 pro</b>	230 V 50-60 Hz	4022709211613	21161

### Technical data master clock unit

Output voltage	24 V DC
Output current	150 mA
Max. number slave clocks	approx. 20 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)	1,7 -2,9 W (depending on the switching status)
Channels (potential-free)	Change-over, contact gap < 3 mm (μ)
Contact material	AgNi
Switching capacity per channel	
resistive load:	10 A / 250 V~ at cosφ=1
inductive load:	6 A at cosφ=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
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)	≤±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 <sup>2</sup> )
Permitted ambient temperature	-30...+50 °C
Housing	self-extinguishing thermoplastic
Dimensions	45 x 71,5 x 58 mm
Mounting	35 mm DIN-rail
Type of connection	Screw terminals (Pull-up type)
Type of protection	IP 20 to DIN EN 60529
Class of protection	II 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
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   Mini terminal box 4PLE

Rights to technical amendments reserved / Technische Änderungen vorbehalten  
Droits de modifications techniques réservés / Suscettibile di errori e modifiche

