

DIGITAL YEARLY TIMER

müller SC 93.x0 pro



Accessories



DK pro



PP 50.00 pro



müller FU 20.00 pro



müller FU 3x.00 pro

Overview

- Time switch digital year
- 19"-housing
- 2 or 4 channels
- Daily, weekly and yearly program
- 300 memory locations
- Minimum interval 1 min
- Switching capacity 5 A per channel
- Permanent by date / holiday function (up to 300)
- Manual permanent mode
- Manual override
- Automatic sorting of switching times on readout
- Unrestricted block programming
- Fully automatic daylight saving time
- Elapsed time and pulse counter
- Pulse function
- Cycle function
- Timer function
- Channel button function
- DCF / GPS function
- Security by PIN-Code
- PC-programmable
- 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
- 10 years battery-reserve
- Unlimited program security by E²-PROM
- Programmable with Programming package PP 50 pro / PP 60 pro (not included in delivery)

Supply voltage versions

- 230 V, 50-60 Hz

Order numbers

■ müller	
SC 93.20 pro	2 channel version
SC 93.40 pro	4 channel version

DIGITAL YEARLY TIMER

müller SC 93.x0 pro

Order information

	Voltage	EAN	Art. No.
SC 93.20 pro	230 V 50-60 Hz	4022709217707	21770
SC 93.40 pro	230 V 50-60 Hz	4022709217721	21772

Other supply voltage versions on request

Technical data

Supply voltages	230 V, 50-60 Hz
Power consumption (real power)	1,2-3,2 W (depending on the switching status)
Channel (potential-free)	Channel A-C: Change-over Channel D: normally open contact gap < 3 mm (μ)
Contact material	AgSnO ₂
Switching capacity per channel	
resistive load:	5 A / 250 V~ at cosφ=1
inductive load:	5 A at cosφ=0,6
Min. switching power	1.000 mW (10 V / 10 mA)
Max. starting current	50 A
Filament Lamp, Halogen Lamp	800 W
Fluorescent Lamp with electron. lamp ballast	400 W
Fluorescent Lamp with convent. lamp ballast	300 W
LED (230 V~) / CFL	200 W
Switching functions:	ON OFF pulse cycle yearly program
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 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)
Program security	unlimited (E ² -Prom)
Display	LCD (visible area 12,8 cm ²)
Permitted ambient temperature	-10°...+50°C
Housing	self-extinguishing thermoplastic
Dimensions front panel	128,5 x 76,2 mm
Mounting	Pluggable into 19"-housing
Type of connection	32-pole male multipoint connector (DIN EN 41612)
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
Accessories (not included in delivery)	Data-key DK pro Programming package PP 50 pro Programming package PP 60 pro

