

DIGITAL YEARLY TIMER

müller SC 28.19 pro



Overview

- Time switch digital year
- DIN-rail mounting 35 mm
- 1 channel
- Daily, weekly and yearly program
- 300 memory locations
- Minimum interval 1 min
- Switching capacity 16 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
- Illuminated display
- Compact 35 mm wide housing
- PC-programmable
- Data-key function

Accessories



DK pro



PP 50.00 pro



müller FU 20.00 pro



müller FU 3x.00 pro



Software for
PP50/PP60

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 28.19 pro	1 channel version

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müller SC 28.19 pro

Order information

	Voltage	EAN	Art. No.
SC 28.19 pro	230 V 50-60 Hz	4022709224125	22412

Technical data

Supply voltage	230 V, 50-60 Hz other voltages on request
Power consumption (real power)	1,4-1,9 W (depending on the switching status)
Channel (potential-free)	Change-over, contact gap < 3 mm (μ)
Contact material	AgSnO ₂
Switching capacity resistive load:	16 A / 250 V~ at $\cos\phi=1$
inductive load:	10 A at $\cos\phi=0,6$
Min. switching power	1.000 mW (10 V / 10 mA)
Max. starting current	50 A
Filament Lamp, Halogen Lamp	2.000 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 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)	$\leq \pm 0,5$ Sec./day (Quartz accuracy optimized for typical ambient conditions)
Power back-up (at 20 °C)	approx. 10 years (depends on the Lithium-battery life)
Program security	unlimited (E ² -Prom)
Display	high resolution LCD (visible area 7,5 cm ²)
Permitted ambient temperature	-30...+55 °C
Housing	self-extinguishing thermoplastic
Dimensions	45 x 35 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
Certification mark	VDE

