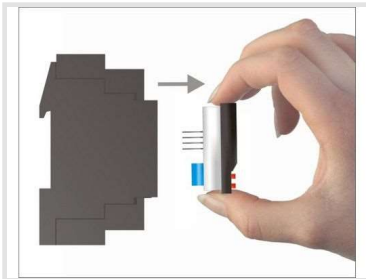


DIGITAL ASTRO TIMERS

müller SC 08.13 pro - paladin 172 113 pro



Overview

- Time switch digital astro
- DIN-rail mounting 17,5 mm
- 1 channel
- Daily and weekly program
- Astro program
- Economical night program
- Extra switching times
- 60 memory locations
- Minimum interval 1 min
- Switching capacity 16 A per channel
- Permanent by date / holiday function
- 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
- Security by PIN-Code
- PC-programmable
- Text based menu
- Display with two text lines
- Easy handling
- Can be programmed with supply disconnected (6 years battery-reserve)
- Unlimited program security by E²-PROM
- Optimized Quartz accuracy for typical ambient conditions in standard installations

Accessories



PP 50.00 pro

Highlights

- Ideal for modern lamps [LED, CFL, etc.]
- Optimized for high capacitive lamp loads [W-pre-make contact with a switching capacity of 16 (16) A]
- Removable programming module

Supply voltage versions

- 230 V, 50-60 Hz
- Other supply voltage versions on request

Order numbers

■ müller	■ paladin
SC 08.13 pro	172 113 pro 1 channel version

DIGITAL ASTRO TIMERS

müller SC 08.13 pro - paladin 172 113 pro

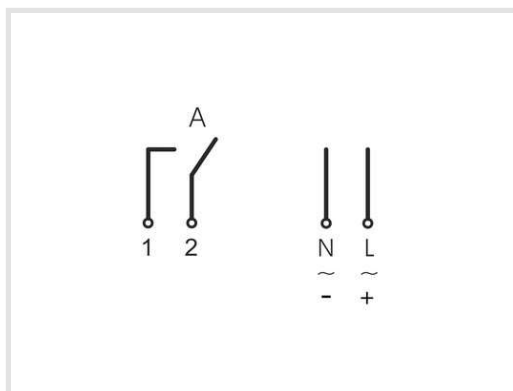
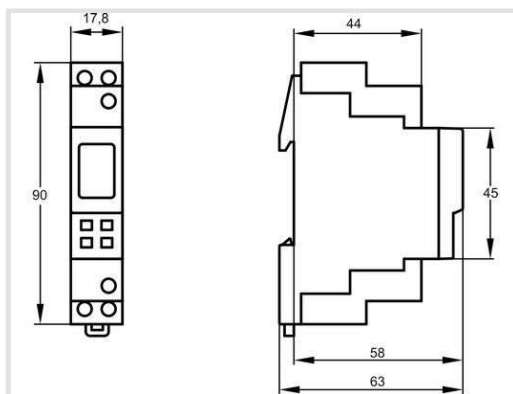
Order information

	Voltage	EAN	Art. No.
SC 08.13 pro	230 V 50-60 Hz	4022709217813	21781
172 113 pro	230 V 50-60 Hz	4022709218148	21814

Other supply voltage versions on request

Technical data

Supply voltages	230 V, 50-60 Hz
Power consumption (real power)	1,0 W
Channel (potential-free)	Normally open, contact gap < 3 mm (μ)
Contact material	AgSnO ₂ + W pre-make contact
Switching capacity per channel	
resistive load:	16 A / 250 V~ at cosφ=1
inductive load:	16 A at cosφ=0,6
Min. switching power	1.000 mW (10 V / 10 mA)
Max. starting current	165 A / 20msec. (filament lamp) 800 A / 200μsec. (fluorescent lamp)
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
Compact Fluorescent Lamp convent. lamp ballast	1000 VA
Compact Fluorescent Lamp electron. lamp ballast	4 x EVG electronic lamp ballast, power independent
LED (230 V~) / CFL	400 W
Switching functions	
Astro:	ON/OFF
Night:	ON/OFF
Extra:	ON/OFF
Offset Astro switching time	+/-90min.
Memory locations	60
Minimum interval	1 min.
Time base	Quartz
Quartz accuracy (at 20 °C)	≤±0,5 sec./day (Quartz accuracy optimized for typical ambient conditions)
Power back-up (at 20 °C)	approx. 6 years (depends on the Lithium-battery life)
Program security	unlimited (E ² -Prom)
Display	high resolution LCD
Permitted ambient temperature	-30...+55 °C
Housing	self-extinguishing thermoplastic
Dimensions	45 x 17,5 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)	Programming package PP 50 pro / PP 60 pro
Certification mark	VDE



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