■ müller

SC 18.13 *easy* astro-

[paladin **170 413 easy**]

- 1 channel
- Astro-daily-program
- Economical night program
- 4 memory locations
- 10 years battery-reserve
- Exchangeable battery (CR 2032)
- Minimum interval 1 min.
- Switching capacity 16 A
- Manual permanent mode
- Manuelle override
- Fully automatic daylight saving time
- Easy handling
- Illuminated display
- Security by PIN-Code
- NFC programming

Further information / Accessory

Accessory: Android App Save`n carry for Smartphones
(free Download at Google Play store)

NFC

easy LINE
...switch easy

NFC

Comparable products …

SC 18.x4 easy / paladin **170 4x4 easy** with additional features:
with weekly program, 1- or 2-channel-version available (Change-over), multi language text menu
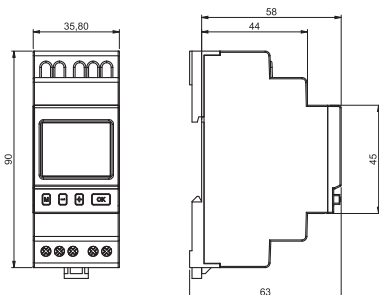
SC 28.x3 pro / paladin **172 4x3 pro** with additional features:
with weekly program, 1- or 2-channel-version available (Change-over), 46 memory locations, multi language text menu, Data-key function

Highlights

- Complete switching program at a glance
- Exchangeable battery (CR 2032) with 10 years battery reserve
- Optimized own consumption: only 0.2 W in „standby" mode
- Large, clear and illuminated display
- Easy handling
- Quick and intuitive programming
- Can be programmed with supply disconnected
- Unlimited program security by E^2-PROM
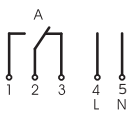- Programmable with NFC via smartphone (free Android App)

easy
...switch easy

basic extended premium

Digital time switches SC 18.13 *easy* astr-☀-
for DIN-rail mounting

[paladin **170 413 easy**]

SC 18.13 easy / paladin **170 413 easy**

Technical data

Supply voltages	230 V, 50-60 Hz other voltages on request
Power consumption (real power)	0.2–1.0 W (depending on the switching status)
Channel (potential-free)	Change-over, contact gap < 3mm (µ)
Contact material	AgSnO$_2$
Switching capacity per channel	16 A / 250 V~ at cosφ=1 10 A with inductive load cosφ=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 W
Fluorescent Lamp series compensated	1,000 W
Fluorescent Lamp parallel compensated	550 W
LED (230 V~) **/ CFL**	200 W
Switching functions	Astro ON/OFF; Night ON/OFF
Memory locations	4
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. 10 years (exchangeable battery CR 2032)
Program security	unlimited
Display	illuminated LCD-display
Permitted ambient temperature	−30°…+50°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 oeration (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 (free download)	Programmable with NFC via smartphone (Android App - Save`n Carry)

Order number		Channel	Time base
SC 18.13 easy	▽ paladin **170 413 easy**	1	Quartz
▽▽ Housing colour			

:hugo**müller**