



reddot design award
honourable mention 2009

Save time

SC 28.x3 pro astr [paladin 172 4x3 pro]

- 1 or 2 channels
- Daily and weekly program
- Astro program
- Economical night program
- Extra switching times
- 60 memory locations
- 10 years battery-reserve
- 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
- Illuminated display
- Data-key function

Further information / Accessory

Accessory: Data-key DK pro and Programming package PP 50 pro / PP 60 pro
(not included in delivery of the time switch)



Comparable products ...

SC 18.x4 easy / paladin 170 4x4 easy

SC 28.x4 pro / paladin 172 4x4 pro with additional features:
100 memory locations, Timer function, Advance warning function,
External input function, Astro pulse function

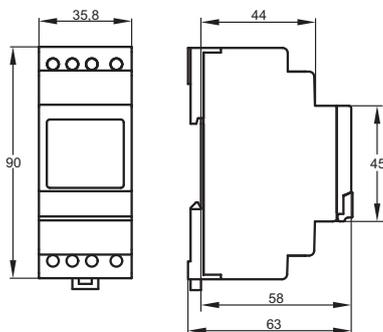
Highlights

- Astro program
- Text based menu and self-explanatory symbols
- Display with a large dot matrix area to provide two high resolution text lines
- Easy handling. Quick and intuitive programmable time switch
- Can be programmed with supply disconnected
- Unlimited program security by E²-PROM
- Programmable with PC
(Accessory Data-key DK pro and Programming package PP 50 pro / PP 60 pro)

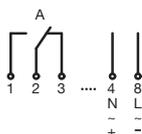
basic extended premium

Digital time switches SC 28.x3 pro astr[☼]- for DIN-rail mounting [paladin 172 4x3 pro]

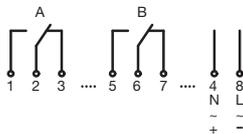
Technical data



SC 28.13 pro / paladin 172 413 pro
(1 channel)



SC 28.23 pro / paladin 172 423 pro
(2 channels)



Supply voltages	230 V, 50–60 Hz other voltages on request
Power consumption (real power)	0.8–1.8 W (depending on the switching status)
Channel (potential-free)	Change-over, contact gap < 3 mm (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 with electron. lamp ballast	1,000 W
Fluorescent Lamp with convent. lamp ballast	750 W
LED (230 V~) / CFL	400 W
Switching functions	Astro ON/OFF; Night ON/OFF; Extra ON/OFF
Offset Astro switching time	± 90 min.
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. 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)	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 / PP 60 pro
Certification mark	VDE

Order number	Channels	Time base	Special function
SC 28.13 pro ✓ paladin 172 413 pro	1	Quartz	Astro
SC 28.23 pro ✓ paladin 172 423 pro	2	Quartz	Astro

✓ Housing colour