week

SC 28.x1 *pro*
[paladin **172 4x1** *pro*]

reddot design award
honourable mention 2009

- 1 or 2 channels
- Daily and weekly program
- 46 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
- Pulse function
- 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)

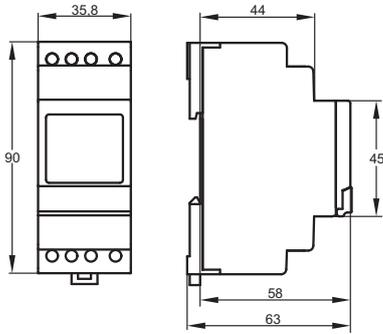**Comparable products …**

SC 28.x2 *pro* with additional features:
100 memory locations, cycle function, external input function
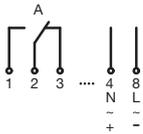
Highlights

- 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
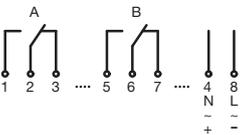- Programmable with PC (Accessory Data-key DK *pro* and Programming package PP 50 *pro* / PP 60 *pro*)

müller

basic **extended** premium

Digital time switch SC 28.x1 *pro*   [paladin **172 4x1** *pro*]
for DIN-rail mounting

Technical data

SC 28.11 *pro* **/** paladin **172 411** *pro*
(1 channel)

SC 28.21 *pro* **/** paladin **172 421** *pro*
(2 channels)

Supply voltage	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	AgCdO
Switching capacity per channel	16 A / 250 V~ at cosφ=1 6 A with inductive load cosφ=0.6
Min. switching power	500 mW (10 V / 5 mA)
Max. starting current	30 A
Filament Lamp, Halogen Lamp	1,000 W
Fluorescent Lamp with electron. lamp ballast	500 W
Fluorescent Lamp with convent. lamp ballast	400 W
LED (230 V~) **/ CFL**	300 W
Switching functions	ON; OFF; pulse
Pulse length Pulse function (switching time)	00:01 up to 59:59 mm:ss
Memory locations	46
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 28.11 *pro*	paladin **172 411** *pro*	1	Quartz	data-key (optional)
SC 28.21 *pro*	paladin **172 421** *pro*	2	Quartz	data-key (optional)

Housing colour