SC 28.19 *pro*
[paladin **172 419** *pro*]

- 1 channel
- Daily, weekly and yearly program
- 300 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
- Cycle function
- Timer function
- Channel button function
- DCF function
- Security by PIN-Code
- Illuminated display
- Compact 35 mm wide housing
- Data-key function

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Further information / Accessory

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

Accessory: Radio Receiver DCF-Time FU 20.00 *pro*
(not included in delivery of the time switch)

Accessory: Radio Receiver GPS-Time FU 3x.00 *pro*
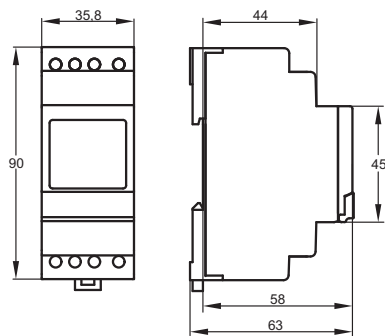(not included in delivery of the time switch)

Comparable products …

SC 98.x0 *pro* / paladin **179 6x0 *pro*** with additional features:
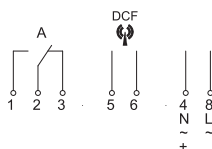4 TE, 1–4 channel version, external input

Highlights

- Yearly program with Easter function, Weekday function and Extra-switching-time function
- 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 E^2-PROM
- Programmable with PC (Accessory Data-key DK *pro* and Programming package PP 50 *pro*)

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| pin | gps/dcf)) | astro | internal intern 300 | year prog | week prog | 24h prog | kanal channel 1 |
| timer | lcd | ☀☀☀ | 2345h | pulse | Extern | cycle | data |

Digital time switch SC 28.19 *pro* [paladin **172 419** *pro*]
for DIN-rail mounting

SC 28.19 *pro* / paladin 172 419 *pro*

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	16 A / 250 V~ at cosφ=1 6 A with inductive load cosφ=0.6
Min. switching power	1000 mW (10 V / 10 mA)
Max. starting current	50 A
Filament Lamp	2,000 W
Halogen Lamp	2,000 W
Fluorescent Lamp uncompensated	1,000 VA
Fluorescent Lamp series compensated	1,000 VA
Fluorescent Lamp parallel compensated	550 VA
Fluorescent Lamp double switch	1,000 VA
Mercury Discharge Lamp uncompensated	4 x 125 W, 2 x 250 W, 1 x 400 W, 1 x 700 W
Mercury Discharge Lamp parallel compensated	6 x 50 W (7 μF), 4 x 125 W (10 μF), 2 x 250 W (18 μF), 1 x 400 W (25 μF), 1 x 700 W (40 μF)
Sodium Discharge Lamp uncompensated	2 x 250 W, 1 x 400 W
Sodium Discharge Lamp parallel compensated	2 x 150 W (20 μF), 1 x 250 W (32 μF), 1 x 400 W (45 μF)
Compact Fluorescent Lamp convent. lamp ballast	1,000 VA
Compact Fluorescent Lamp electron. lamp ballast	4 x electronic lamp ballast, power independent
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 crystal
Power back-up (at 20°C)	approx. 10 years (depends on the Lithium-battery life)
Program security	unlimited (E^2-PROM)
Quartz crystal accuracy (at 20°C)	≦ ±0.5 sec./day (in normal use)
Display	high resolution LCD (visible area 7.5 cm²)
Permitted ambient temperature	−30°…+55°C
Enclosure	self-extinguishing thermoplastic
Dimensions	45 x 35 x 58 mm
Distribution board mounting	35 mm DIN-rail (DIN EN 60715)
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
Accessories (not included in delivery)	Data-key DK *pro*, Radio Receiver FU 20.00 *pro* / FU 3x.00 *pro*, programming package PP 50 *pro*
Certification mark	VDE

Overview time switch functions

	Switching time	Channel-key
ON/OFF	✔	✔
Permanent	✔	✔
Pulse	✔	
Timer		✔
Cycle	✔	✔
Astro		
Permanent by date	✔	
Yearly program	✔	

Order number		Channels	Time base	Special function
SC 28.19 *pro*	paladin **172 419** *pro*	1	Quartz/DCF	Yearly program
Housing colour				