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week

SC 88.x0 *pro*
[paladin **179 4x0** *pro*]

- 1, 2, 3 or 4 channels
- Daily and weekly program
- 300 memory locations
- 10 years battery-reserve
- Minimum interval 1 min.
- Switching capacity 10 A per channel
- Up to 300 permanent switchings by date
- 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
- External input function
- Channel button function
- DCF function
- Security by PIN-Code
- Illuminated display
- Data-key function

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)

Accessory: Mini terminal box 4PLE – 70 mm, for wall mounting
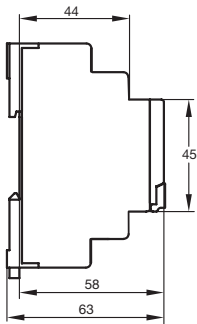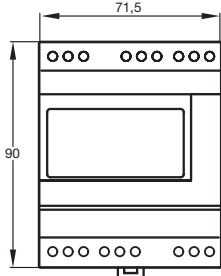(not included in delivery of the time switch)

Comparable products …

SC 98.x0 *pro* / paladin **179 6x0** *pro* with additional features:
yearly program

Highlights

- Text based menu and self-explanatory symbols
- Up to 300 permanent switchings by date with Easter function
- 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
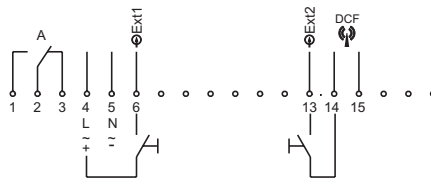- Programmable with PC (Accessory Data-key DK *pro* and Programming package PP 50 *pro*)

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| 🔒pin | gps/dcf⬝⬝) | astro- | internal intern **300** | year pro | week prog | 24h prog | ⌐ kanal channel **1 - 4** |
| ⏱timer | ⊡lcd⊡ | △☀❄☀ | 2345h | ⊔pulse | Ɛxtern | ⊓⊓cycle | data⊙▭ |

week

Digital time switch SC 88.x0 *pro* [paladin 179 4x0 *pro*]
for DIN-rail mounting

71,5
90
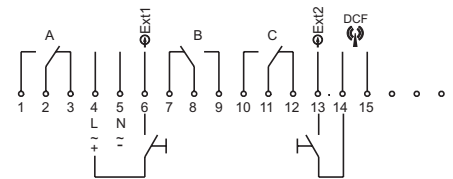44
45
58
63

Technical data

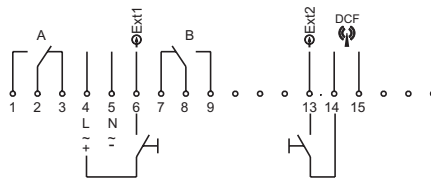|	
Supply voltage	230 V, 50–60 Hz other voltages on request
Power consumption (real power)	1.2–3.2 W (depending on the switching status)
Channels (potential-free)	Change-over, contact gap $<$ 3 mm (μ)
Contact material	$AgSnO_2$
Switching capacity per channel	10 A / 250 V$\sim$ at cosφ=1 6 A with inductive load cosφ=0.6
Min. switching power	1000 mW (10 V / 10 mA)
Max. starting current	50 A
Switching functions	ON, OFF, pulse, cycle
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 or DCF 77 (FU 20.00 *pro*)
Power back-up (at 20°C)	approx. 10 years (depends on the Lithium-battery life)
Program security	unlimited by E^2-PROM
Quartz crystal accuracy (at 20°C)	$\leqq$ ±0.5 sec./day (in normal use)
Display	high resolution LCD (visible area 12.8 cm^2)
Permitted ambient temperature	–30°…+55°C
Enclosure	self-extinguishing thermoplastic
Dimensions	45 x 71.5 x 58 mm
Distribution board mounting	35 mm section rails (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
Module connection	FU 20.00 *pro*, DCF 77 radio link
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

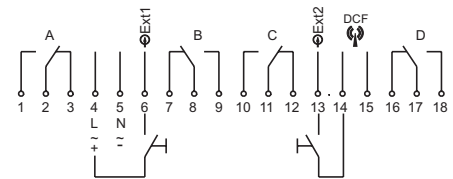**SC 88.10 *pro* /** paladin **179 410 *pro* (1 channel)**

SC 88.30 *pro* / paladin **179 430 *pro* (3 channels)**

SC 88.20 *pro* / paladin **179 420 *pro* (2 channels)**

SC 88.40 *pro* / paladin **179 440 *pro* (4 channels)**

Overview time switch functions

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

Order number		Channels	Time base	Special function
SC 88.10 *pro*	paladin **179 410 *pro***	1	Quartz/DCF	External input
SC 88.20 *pro*	paladin **179 420 *pro***	2	Quartz/DCF	External input
SC 88.30 *pro*	paladin **179 430 *pro***	3	Quartz/DCF	External input
SC 88.40 *pro*	paladin **179 440 *pro***	4	Quartz/DCF	External input

◤◥ Housing colour