

year



SC 93.x0 pro

- 2 or 4 channels
- Daily, weekly and yearly program
- 300 memory locations
- 10 years battery-reserve
- Minimum interval 1 min.
- Switching capacity 5 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
- Channel button function
- DCF function
- Security by PIN-Code
- 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)



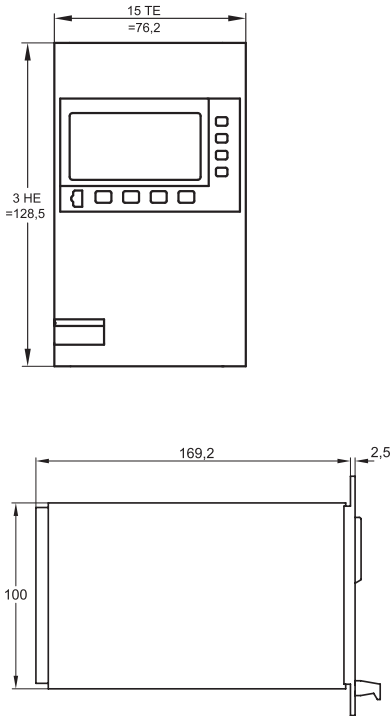
Accessory: 32 pole multipoint socket connector
(not included in delivery of the time switch)

Highlights

- Yearly program with Easter function, Weekday function and Extra-switching-time function
- Up to 300 permanent switchings by date or with Easter 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 E²-PROM
- Programmable with PC (Accessory Data-key DK pro and Programming package PP 50 pro)

Digital time switch SC 93.x0 *pro*

pluggable into 19"-housing (DIN EN 41494)



Technical data

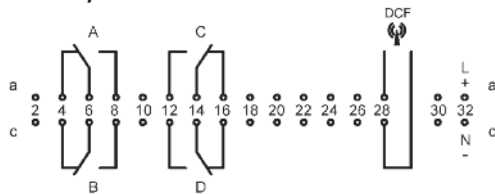
Supply voltages	230 V, 50–60 Hz other voltages on request
Power consumption (real power)	1.2–3.2 W (depending on the switching status)
Channel (potential-free)	Channel A-C: Change-over Channel D: normally open contact gap < 3 mm (μ)
Contact material	AgSnO ₂
Switching capacity per channel	5 A / 250 V~ at cosφ=1 5 A with inductive load cosφ=0.6
Min. switching power	1,000 mW (10 V / 10 mA)
Max. starting current	50 A
Switching functions	ON; OFF; pulse; yearly program
Pulse length Pulse function (switching time)	01...59 sec. digital adjustment
Memory locations	102
Minimum interval	1 min. (1 sec. pulse mode)
Time base	Quartz or DCF / GPS (FU 20.00 <i>pro</i> / FU 3x.00 <i>pro</i>)
Power back-up (at 20°C)	approx. 10 years (depends on the Lithium-battery life)
Quartz accuracy (at 20°C)	≤ ±0.5 sec./day
Display	LCD
Permitted ambient temperature	-5°...+50°C
Mounting	pluggable into 19"-housing
Colour front panel	black, self-extinguishing thermoplastic
Dimensions front panel	128.5 x 76.2 mm
Type of connection	32-pole male multipoint connector (DIN EN 41612)
Type of protection	IP 00 to DIN EN 60529
Class of protection	I when installed according to regulations
Accessories (not included in delivery)	Data-key DK <i>pro</i> , Radio Receiver FU 20.00 <i>pro</i> / FU 3x.00 <i>pro</i> , programming package PP 50 <i>pro</i> , 32 pole (multipoint) socket connector



SC 93.20 *pro*



SC 93.40 *pro*



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 93.20 <i>pro</i>	2	Quartz/DCF	Yearly program
SC 93.40 <i>pro</i>	4	Quartz/DCF	Yearly program

✓ Housing colour