

year



SC 93.X0 pro

- 2 or 4 channels
- Daily, weekly and yearly program
- 300 memory locations
- 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: DCF radio receiver FU 20.00 pro
(not included in delivery of the time switch)



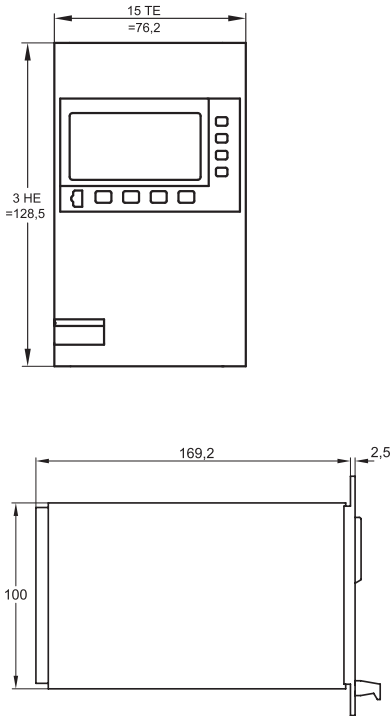
Accessory: 32 pole multipoint socket connector
(not included in delivery of the time switch)

Highlights

- Yearly program with Easter function, Weekday function and Extra-switching-time function
- Up to 300 permanent switchings by date 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 (6 years battery-reserve)
- 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

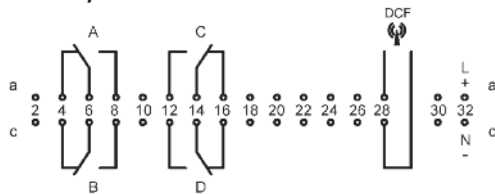
Voltages	230 V, 50–60 Hz other voltages on request
Power consumption (real power)	1.2–3.2 W (depending on the switching status)
Channel (potential-free)	Channel A-C: Change-over Channel D: normally open contact gap < 3 mm (μ)
Contact material	AgSnO ₂
Switching capacity per channel	5 A / 250 V~ at cosφ=1 5 A with inductive load cosφ=0.6
Min. switching power	1000 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 crystal or DCF 77 (FU 20.00 pro)
Power back-up (at 20°C)	approx. 10 years (depends on the Lithium-battery life)
Quartz crystal accuracy (at 20°C)	≤ ±0.5 sec/day (in normal use)
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 pro, DCF radio receiver FU 20.00 pro, programming package PP 50 pro, 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 pro	2	Quartz/DCF	Yearly program
SC 93.40 pro	4	Quartz/DCF	Yearly program

✓ Housing colour