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 / PP 60 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
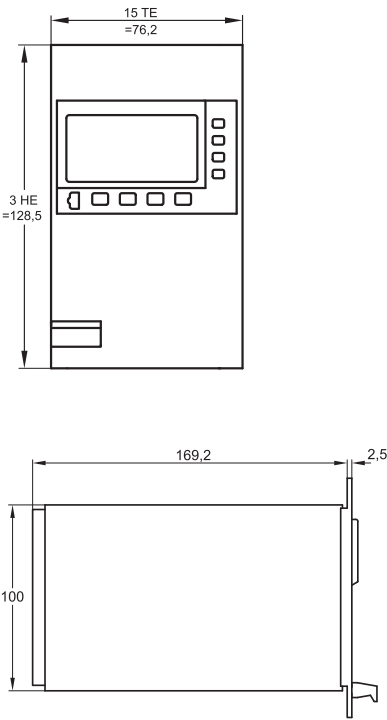(not included in delivery of the time switch)

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 E^2-PROM
- Programmable with PC (Accessory Data-key DK pro and Programming package PP 50 pro / PP 60 pro)

basic extended **premium**

Digital time switches SC 93.xO *pro*
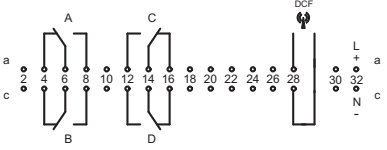pluggable into 19"-housing (DIN EN 41494)

15 TE
=76,2

3 HE
=128,5

169,2   2,5

100

SC 93.20 pro

A

B

GPS
DCF

a
c
2 4 6 8 10 12 14 16 18 20 22 24 26 28   30 32

L
+
32
N
-

a
c

SC 93.40 pro

A   C

B   D

GPS
DCF

a
c
2 4 6 8 10 12 14 16 18 20 22 24 26 28   30 32

L
+
32
N
-

a
c

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
Filament Lamp, Halogen Lamp	800 W
Fluorescent Lamp with electron. lamp ballast	400 W
Fluorescent Lamp with convent. lamp ballast	300 W
LED (230 V~) **/ CFL**	200 W
Switching functions	ON; OFF; pulse; 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. (1 sec. pulse mode)
Time base	Quartz or DCF / GPS (FU 20.00 pro / FU 3x.00 pro)
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)
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
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, Radio receiver FU 20.00 pro / FU 3x.00 pro, Programming package PP 50 pro / PP 60 pro, 32 pole (multipoint) socket connector

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

:hugomüller