



- 1 channel
- Daily and weekly program
- 30 memory locations with or w/o Astro function for each memory location
- ON or OFF
- Minimum interval 1 min
- Switching capacity 10 A
- Permanently ON or OFF with manual switch (Perm ON/OFF)
- Manual override
- Automatic sorting of switching times on readout
- Unrestricted block programming of days and switching functions
- Glass cover may be lead-sealed
- Fully automatic summertime (European standard)

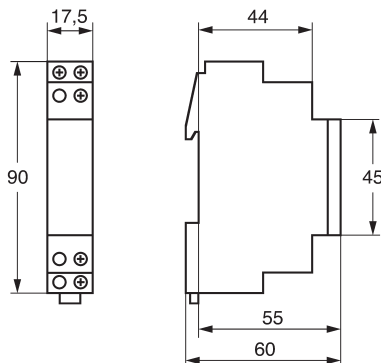
**Astro program** *astr*☉

- Each switching time independently programmable with or w/o Astro function
- Astro ON and OFF times are corrected daily with actual times of sunset and sunrise
- Offset function = for each switching time an arbitrary difference to the Astro time can be programmed

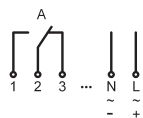


**Highlights**

- Pre-programmed real time and date
- Quick and easily programmable time switch
- Can be programmed with supply disconnected
- Unlimited program security by E<sup>2</sup>PROM
- Specially adapted for lamp loads



SC 08.13



**Programmable time switch SC 08.13** *astr*☉  
for DIN-rail mounting

Technical data	
Supply Voltage	230 V, 50–60 Hz
Power consumption	approx. 1.5 VA
Channel (potential-free)	Change-over (monostable), contact gap < 3 mm (μ)
Contact material	AgSnO <sub>2</sub> + W pre-make contact
Switching capacity	16 A / 250 V~ at cosφ=1
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
Memory locations	30
Minimum interval	1 min
Time base	Quartz crystal
Power back-up (at 20°C)	approx. 4 years (depends on the Lithium-battery life)
Program security	unlimited (E <sup>2</sup> -PROM)
Quartz cryst. accuracy (at 20°C)	≤ ±1.5 sec/day
Display	LCD
Permitted ambient temperature	-10°...+50°C
Enclosure	self-extinguishing thermoplastic
Dimensions	45 x 17.5 x 55 mm
Distribution board mounting	35 mm DIN-rail (DIN EN 50022)
Type of connection	Screw terminals (pull-up type)
Type of protection	IP 20 to DIN EN 40050
Class of protection	II when installed according to regulations

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Type/Order No.	Channels	Time Base	Special function
SC 08.13	1	Quartz	astro