

SUL180a Din rail daily program analog time switch

The SUL180a/SYN160a analogue miniature time switches are the smaller time switch, similar to the appearance of MCB 1P. It can easily change the battery and switching 3 positions with continuous ON/AUTO/continuous OFF.

Description

Common functions

- Analogue time switch
- 1 channel
- Daily program
- Quartz controlled
- Shortest switching time: 15 minutes
- 96 switching segments
- Screw terminals
- Manual switch with 3 positions: Permanent ON/AUTO/continuous OFF

SUL180 a

- With power reserve (NiMH replace&rechargeable battery)

SYN160a

- Without power reserve

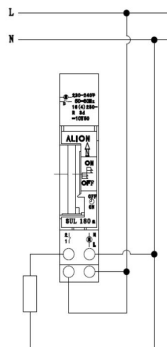
Applications

- Billboard or Showcase lighting
- Air-condition
- Pumps/Motor/Geysers/Fan Control
- Boilers / Heater Control
- General Electrical Circuits
- Hydroponic Systems
- Wastewater Treatment Systems
- Generator Exercising

Technical data

Type	SUL 180 a	SYN160a
Operating voltage	230-240 VAC / 110VAC / 24VDC / 12VDC	
Frequency	50-60 Hz	
Number of channels	1	
Width	1 module	
Installation type	DIN-rail	
Type of connection	Screw terminals	
Drive	Quartz-controlled stepper motor	
Program	Daily program	
Power reserve	3 days	Without power reserve
Max. switching capacity at 250 V AC, $\cos \varphi = 1$	16 A	
Max. switching capacity at 250 V AC, $\cos \varphi = 0.6$	4 A	
Incandescent/halogen lamp load	1000W	
Energy saving lamps	150W	
LED lamp < 2 W	30W	
LED lamp 2-8 W	90W	
LED lamp > 8 W	100W	
Shortest switching time	15 min	
Programmable every	15 min	
Number of switching segments	96	
Time accuracy at 25 °C	$\leq \pm 2$ s/day(Quartz)	
Type of contact	NO contact	
Switching output	Potential-free and phase-independent	
Power consumption	1 VA	
Test approvals	CE	
Housing and insulation material	High-temperature resistant, self-extinguishing thermoplastic	
Type of protection	IP 20	
Protection class	II in accordance with EN 60730-1	
Ambient temperature	-10 °C ... +50 °C	

Connection example



Scale drawings

