



SYN 161 h/SUL 181 h



TM 171 h

Function:

- Time switches with or without power reserve
- 24 hour dial with 30 min segments or 60 min dial with 75 s segments
- Early manual over-ride switching for on and off without influencing the subsequent program sequence
- Permanent ON/OFF switch
- Switching status indication
- Fine adjustment for time setting accurate to the minute
- Summer/Winter time correction ± 1 hour by the bi-directional fine time adjustment facility
- Operating indication

TM 171 h TEMPORA

- Without power reserve
- Short-time program

SYN 161 h SYNCHRONA

- Without power reserve
- Day program

SUL 181 h SULEIKA

- With power reserve
- Day program

Common technical data:

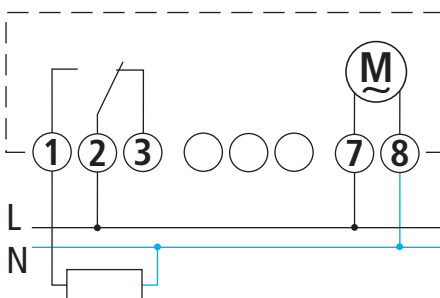
- Nominal voltage:** 230 V~, $\pm 10\%$
- Special voltages:** see appendix
- Permissible ambient temperature:** $-20\text{ }^{\circ}\text{C} \dots +50\text{ }^{\circ}\text{C}$
- Device consumption:** max. 2.5 VA
- Contact:** floating, gap less than 3 mm (μ)
- Contact material:** hard silver
- Housing and insulating material:** high temperature-resistant, fireproof thermoplastics
- Enclosure type:** IP 20 in accordance with EN 60529
- Protection class:** II in accordance with EN 60 730-1 if installed as directed
- Test approvals:** national and international depending on device

Quartz time switches with power reserve:

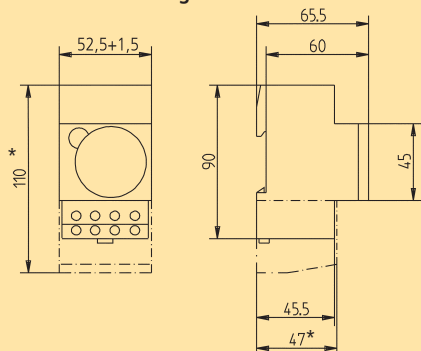
- Drive:** quartz-controlled stepping motor
- Mains frequency:** 45–60 Hz
- Accuracy:** $\leq \pm 1$ s/day at 20 °C
- Power reserve:** approx. 3 days at 20 °C
- Full power reserve:** approx. 3 days after connection to operating voltage
- Weight:** approx. 150 g

Synchronous time switches:

- Drive:** synchronous motor
- Mains frequency:** 50 Hz
- Accuracy:** depends on mains frequency
- Weight:** approx. 135 g



Dimension drawings DIN 43 880



*with terminal cover

Terminal cover



Design:

- Standard housing 45 x 54 x 60 mm
- Snap-on fixing for 35 mm top-hat rail (EN 50 022)
- Shock protection in accordance with accident prevention regulation BGV A3
- Surface mounting with additional terminal cover, tamper proofing
- Control panel installation using mounting kit no. 907 0 001
- Undetachable hinged cover, sealable

Type	Program dial	Power reserve approx.	Programmable every ...	Minimum switching interval	Switching segments	Switching contacts	Nominal current at 250 V~	Order No.
TM 171 h	60 min	–	75 s	75 s	48	1 changeover switch	10 (4) A	171 0 008
SYN 161 h	24 h	–	30 min	30 min	48	1 changeover switch	16 (4) A	161 0 008
SUL 181 h	24 h	3 days	30 min	30 min	48	1 changeover switch	16 (4) A	181 0 008
Terminal cover for surface mounting, tamper proofing								907 0 061