



symbolic image

## DATA SHEET

### timers

### Uno D

mechanical clock with control gear

Article number 09800033



[Internetlink](#)

#### Function

Time switches are electronic or electromagnetic clocks that switch a contact on or off at set times. They are suitable as an aid for energy saving measures, such as switching off pumps or hot-water heaters. The mechanical time switches from the Uno series control one electrical load circuit each via day and/or week programs. The control gear with captive sliders allows the shortest switching intervals of up to 15 minutes to be set for the potential-free relay. While the Uno-D and Uno-QRD time switches have day programs, the Uno-QRS has a week program. The QRD and QRS models with their 100-hour reserve power also provide time-exact switching of consumers even in the event of intermittent power failures. The program automation can be "bridged" via the front control switch and therefore switch the relay to continuous operation.

#### Features

mechanical control gear with captive sliders, Day program (Uno-D, Uno-QRD) or week program (Uno-QRS), minimum switching times of 15 min (Uno-D, Uno-QRD) or 2 h (Uno-QRS), Reserve power: none (Uno-D) or 150 hours (Uno-QRD/-QRS), high accuracy, Control switch for continuous operation, 1 potential-free NO contact 16 (4) A/250 V AC, Operating voltage: 230 V AC, low internal consumption, sealable transparent cover, Module width just 1 unit (17.5 mm), protection class IP20

#### Mounting

quick fastening to mounting rail, any installation position

#### Applications

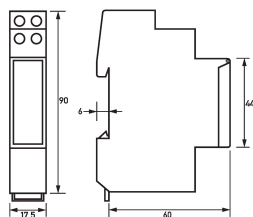
Time switches for time linking of any electrical consumers in private, commercial or industrial applications.

#### Technical Data

| Technical Data                    | Uno D                                    |
|-----------------------------------|--|
| Series                            | Uno D                                    |
| Time programmes                   | daily program                            |
| Accuracy rate range               | -1 s/Tag ... 1 s/Tag (at 22° C)          |
| Power reserve                     | 0 h                                      |
| Time range control gear           | 24 h                                     |
| Switching operation type          | off, on                                  |
| Switching interval                | 15 min ... 24 h                          |
| Number of (n.o, n.c.,change-over) | 1 0 0                                    |
| Operating voltage (AC)            | 230 V                                    |
| Operating frequency               | 50 Hz ... 60 Hz                          |
| Internal consumption              | max. 0.5 W                               |
|                                   | Display time, switch-on/switch-off times |
| Type                              | control gear                             |
|                                   | load circuit                             |
| Specification                     | relays                                   |
| Rated voltage (AC)                | 250 V                                    |
| Rated current (AC)                | 16 A                                     |
| Rated frequency                   | 50 Hz ... 60 Hz                          |

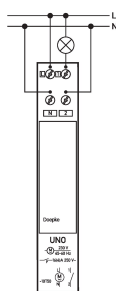
| Technical Data                         | Uno D                      |
|--|----------------------------|
|  | General data               |
| Operating noise                        | little switching noise     |
| Operating position                     | optional                   |
| Ambient temperature                    | -10 °C ... 50 °C           |
| Housing type                           | distribution board housing |
| Mounting type                          | Mounting rail (35 mm)      |
| Housing material                       | polycarbonate (PC)         |
| Protection class                       | IP20                       |
| sealable                               | true                       |
| Width                                  | 18 mm                      |
| Height                                 | 90 mm                      |
| Depth                                  | 66 mm                      |
| Installation depth                     | 60 mm                      |
| Width (modules)                        | 1                          |
| Design requirements/Standards          | EN 60529, EN 60335-1       |
| Protection class according to EN 60335 | II                         |

**Dimensions**



*Dimensional drawing Group view*

**Wiring example**



*Wiring diagram*