

## Function diagram



[^0]- According to IEC/EN 61 812-1
- Programmable via DIP switches for
- operate delay (AV)
- fleeting make (EW)
- delayed fleeting action (IE)
- Flash function, starting with On (BE)
- release delay (RV)
- pulse extender (IF)
- fleeting break (AW)
- operate and release delay (AV / RV)
- 8 time ranges from $0,05 \mathrm{~s} . . .10 \mathrm{~h}$
- Remote control potentiometer connection $\mathrm{Z} 1-\mathrm{Z} 2,10 \mathrm{~K} \Omega$ for all time ranges
- 2 changeover contacts
- Voltage range 24 ... 240 V AC/DC
- LED indicators for power supply and contact postition
- Width $22,5 \mathrm{~mm}$


## Approvals and marking

## ${ }_{c} \mathbf{T N}_{\text {us }}$ ( $\epsilon$ <br> Canada/USA

## Application

Time-dependent controls

| Indicators |  |
| :--- | :--- |
| upper LED: | on, when supply connected, <br> flashes during time delay <br> on, when output relay active <br> (contact $15-18$ closed) |
| lower LED: |  |

## Notes

The functions RV, IF, AW, AV/RV can be controlled via the control input B1 (+) as shown in the connection example. The time sequence can be interrupted by closing the control contact S 2 in the case of the functions AV, EW, IE, BE. The time sequence is continued again when control contact F2 is opened.

When function "operate delay" is selected the output contact can be switched on during time delay for test purposes. To do this DIPswitch 4 must be set to on. Is this switch set to off again during time delay, the output relay opens.

The device is delivered with a wire link between Terminals $\mathrm{Z} 1-\mathrm{Z} 2$. An external potentiometer ( 10 KW ) can be connected to these terminals. In this case the link has to be removed and the setting on the relay has to be put to minimum. To connect a remote potentiometer this link must be removed and the potentiometer is connected to Z1-Z2. Also the built in Potentiometer must be set to min. time. The wiring between potentiometer and relay should not be disconnected, because the timing is then disabled. If not external remote potentiometer is connected, the link must be connected to $\mathrm{Z} 1-\mathrm{Z} 2$.

## Circuit diagram




| Technical data |  |
| :---: | :---: |
| Vibration resistance: | Amplitude $0,35 \mathrm{~mm}$, frequency 10 ... 55 Hz ,IEC/EN 60 068-2-6 |
| Climate resistance: | 20/060 / 04 IEC/EN 60 068-1 |
| Terminal designation: | EN 50005 |
| Wire connection: | $2 \times 1,5 \mathrm{~mm}^{2}$ solid or |
|  | $2 \times 1,0 \mathrm{~mm}^{2}$ stranded wire with sleeve DIN 46 228/-1/-2/-3/-4 |
| Wire fixing: | Flat terminals with self-lifting |
|  | clamping piece IEC/EN 60 999-1 |
| Mounting: | DIN rail IEC/EN 60715 |
| Weight: | 150 g |
| Dimensions |  |

## Width $\mathbf{x}$ height x depth: $\quad 22,5 \times 82 \times 99 \mathrm{~mm}$

| Standard type |  |  |  |  |  |
| :--- | :--- | :--- | :---: | :---: | :---: |
| MK 7850.82/200/61 | AC/DC $24 \ldots 240 \mathrm{~V}$ |  |  |  |  |
| Article number: | 0041520 |  |  |  |  |
| - Output: | 2 changeover contacts |  |  |  |  |
| - Nominal voltage |  |  |  |  |  |
| $\mathrm{U}_{\mathrm{N}}:$ | AC/DC $24 \ldots 240 \mathrm{~V}$ |  |  |  |  |
| - Time ranges: | from $0,05 \mathrm{~s} \ldots 10 \mathrm{~h}$ |  |  |  |  |
| - Width: | $22,5 \mathrm{~mm}$ |  |  |  |  |

## Accessories

ET 4752-143: Marking plate

## AD 3:

Degree of protection front side:


Connection example



[^0]:    $4 \ldots 6=$ Position of DIP-switches
    AV = Operate delay RV = Release delay
    EW = Fleeting make IF = Pulse extender
    $\mathrm{IE}=$ Delayed fleeting action AW = Fleeting break
    $\mathrm{BE}=$ Flasher relay, $\quad \mathrm{AV} / \mathrm{RV}=$ Operate and release delay

