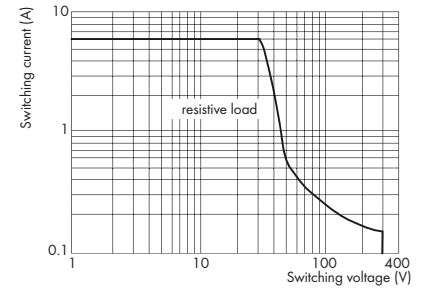
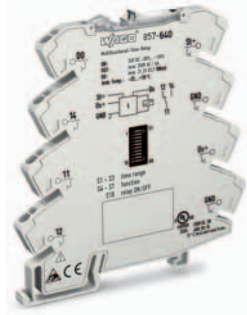
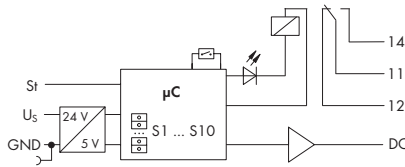


|  |  |  |
|--|--|--|
|  | <b>Multifunction time relay with 1 changeover contact (1u)</b><br><b>8 time ranges, 14 functions</b><br><b>Temperature range: -25 °C ... +70 °C</b><br><b>For railway applications</b> |  |
|--|--|--|

- 14 functions:
  - On-delay
  - On-delay with control input
  - Off-delay with control input
  - On- and off-delay with control input
  - Single-shot leading edge
  - Single-shot leading edge with control input
  - Single-shot trailing edge with control input
  - Single-shot leading and trailing edge with control input
  - On-delay and single-shot leading edge
  - On-delay and single-shot leading edge with control input
  - Step switching
  - Blinking, pulse start
  - Blinking, interval start
  - Relay switching
- Function and time range adjustable via DIP switch
- Digital output (DO): max. 31.2 VDC, 100 mA
- Control input: max. 31.2 VDC, min. pulse length 10 ms



DC load limit curve



| Description                                   | V <sub>N</sub> | I <sub>N</sub> | Item No.       | Pack. Unit |
|---|----------------|----------------|----------------|------------|
| <b>Multifunction time relay, for DIN-rail</b> | 24 VDC         | 18 mA          | <b>857-640</b> | 1          |
|   |                |                |                |            |
|   |                |                |                |            |
|   |                |                |                |            |
|   |                |                |                |            |

**Technical Data**

Accessories see page 33

|   |   |
|---|---|
| <b>Coil:</b>                                  |   |
| Input voltage range                           | V <sub>N</sub> -30 % ... +30 %  |
| Power consumption at V <sub>N</sub>           | 18 mA (active) / 4.5 mA (passive)   |
| <b>Contacts:</b>                              |   |
| Contact material                              | AgNi  |
| Max. continuous current                       | 6 A (up to 60 °C)<br>2 A (60 °C ... 70 °C)  |
| Max. switching voltage                        | 250 VAC   |
| Max. switching power (resistive)              | 1500 VA AC, DC see load curve   |
| Recommended minimum load                      | 10 VDC / 10 mA, 24 VDC / 1 mA   |
| Pull-in/drop-out/bounce time typ.             | 8ms / 4ms / -   |
| Mechanical life                               | 5 x 10 <sup>6</sup> switching operations  |
| <b>General specifications:</b>                |   |
| Time range                                    | adjustable:<br>0.01 ... 0.1 s; 0.1 ... 1 s; 1 ... 10 s; 10 ... 100 s;<br>1 ... 10 min; 10 ... 100 min; 1 ... 10 h; 10 ... 100 h |
| Reset time                                    | 50 ms   |
| Nominal voltage to EN 60664-1                 | 250 V / 2.5 kV / 2  |
| Dielectric strength, contact-coil (AC, 1 min) | 2.5 kV <sub>rms</sub>   |
| Dielectric strength open contact (AC, 1 min)  | 1 kV <sub>rms</sub>   |
| Ambient operating temperature                 | -25 °C ... +70 °C   |
| Storage temperature                           | -40 °C ... +70 °C   |
| Dimensions (mm) W x H x L                     | 6 x 96 x 94   |
| Wire connection                               | Height from upper-edge of DIN-rail<br>Push-in CAGE CLAMP®   |
| Cross sections                                | 0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG  |
| Strip lengths                                 | 9 ... 10 mm / 0.35 ... 0.39 in.   |
| Standards/specifications                      | EN 60664-1; EN 61812-1;<br>EN 61373; EN50121-3-2  |
| Approvals                                     | CE  |