

**ZM565453****TIME DELAY RELAYS • MULTI-FUNCTION DEVICES****MECHANICAL DATA**

|   |                               |
|---|-------------------------------|
| Ambient temperature                           | -20 °C ... 60 °C              |
| Degree of protection (IP)                     | IP20                          |
| Height  | 75 mm                         |
| Housing material                              | Polycarbonate                 |
| Length  | 110 mm                        |
| Mounting method                               | DIN rail (top hat rail) 35 mm |
| Suitable for DIN rail (top hat rail) mounting | Yes                           |
| Width   | 22.5 mm                       |
| With protection against accidental contact    | No                            |

**ELECTRICAL DATA**

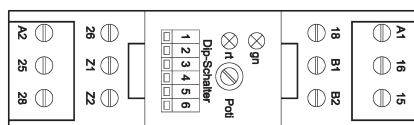
|   |       |
|---|-------|
| Clock function, starting with break, variable         | Yes   |
| Clock function, starting with pulse, variable         | Yes   |
| Decay time  | 20 ms |
| Function flashing, starting with break, fixed time    | No    |
| Function flashing, starting with pulse, fixed time    | No    |
| Function on-delay                                     | Yes   |
| Max. continuous current                               | 3 A   |
| Max. output current                                   | 3 A   |
| Max. switching current                                | 7 A   |
| Number of outputs, delayed, change-over contact       | 2     |
| Number of outputs, delayed, normally closed contact   | 0     |
| Number of outputs, delayed, normally open contact     | 0     |
| Number of outputs, undelayed, change-over contact     | 0     |
| Number of outputs, undelayed, normally closed contact | 0     |
| Number of outputs, undelayed, normally open contact   | 0     |
| Number of pins  | 12    |
| Number of switching outputs                           | 2     |
| Number of time ranges                                 | 8     |
| OFF pulse function                                    | No    |
| Off-delayed function                                  | Yes   |

**ELECTRICAL DATA**

|   |                     |
|---|---------------------|
| ON pulse function                             | Yes                 |
| Operating voltage                             | 24 V ... 240 V      |
| Outputs, delayed/undelayed selectable         | Yes                 |
| Pluggable on contactor                        | No                  |
| Power consumption                             | 5 VA                |
| Pulse shaping function                        | Yes                 |
| Rated control supply voltage $U_s$ at AC 50HZ | 24 V ... 240 V      |
| Rated control supply voltage $U_s$ at DC      | 24 V ... 240 V      |
| Readiness delay                               | 110 ms              |
| Repeat accuracy of setting time               | 10 ms               |
| Reverse polarity protection                   | No                  |
| Setting procedure                             | Manual adjustment   |
| Short-circuit protection                      | No                  |
| Star-delta function                           | Yes                 |
| Switching voltage                             | 240 V               |
| Temperature drift                             | 0.1 %               |
| Time range                                    | 0.1 s ... 18000 s   |
| Turn-off delay                                | 18000 s             |
| Type of electrical connection                 | Clamp               |
| Type of switching function                    | Change-over contact |
| Type of switching output                      | Relay contact       |
| Voltage type                                  | AC/DC               |
| Voltage type for actuation                    | AC/DC               |
| With inversion                                | No                  |
| With LED display                              | Yes                 |
| With plug-in socket                           | No                  |
| With semiconductor output                     | No                  |

**OTHER DATA**

|                                  |     |
|----------------------------------|-----|
| Remote operation possible        | Yes |
| Suitable only for remote control | No  |

**DIMENSIONAL DRAWING**


**INSTALLATION**

Mounting / Installation may only be carried out by a qualified electrician!

**DISPOSAL****SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.