

## MINITIMER Timer, Release Delay AA 7562



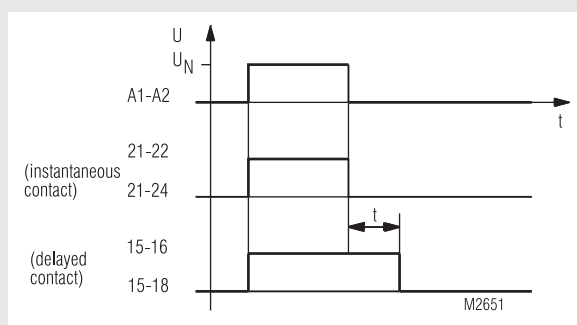
### Your Advantage

- Non sensitive to electromagnetic influence by pneumatic time element

### Features

- According to IEC/EN 60 812-1
- Delay up to 180 s
- Repeat accuracy  $< \pm 5 \%$
- without auxiliary voltage
- 1 changeover contact delayed, 1 changeover contact without delay
- Width 45 mm

### Function Diagram



### Approvals and Marking



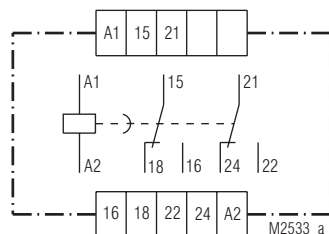
### Application

Time dependent controls

### Function

With the release delayed timer AA 7562 the delay is achieved by a pair of bellows that is compressed by a magnet system. With an adjustable regulating system the time for the expansion of the bellows is defined. The bellows then operates the switch contacts.

### Circuit Diagram



AA 7562.32

### Notes

The mounting distance should not be smaller than 8 mm.

### Technical Data

#### Time circuit

<b>Time ranges:</b>	0.2 ... 30 s    0.2 ... 180 s
<b>Time setting:</b>	infinitely
<b>Repeat accuracy:</b>	$\leq \pm 5 \%$ of the final range value
<b>Min. transition time:</b>	25 ms
<b>Temperature influence:</b>	0.5 % / K under certain circumstances, variation and temperature errors can be added.

#### Input

<b>Nominal voltage <math>U_N</math>:</b>	AC 24, 42, 110, 127, 230, 240 V 50 or 60 Hz
<b>Voltage range:</b>	DC 24 ... 220 V AC 0.85 ... 1.1 $U_N$ DC 0.8 ... 1.1 $U_N$
<b>Nominal consumption:</b>	Initial position                      Active position 22 VA 7 VA 5.5 W 5.5 W
<b>Nominal frequency:</b>	50 Hz

## Technical Data

### Output

### Contacts

AA 7562.32: 1 changeover contact, without delay  
1 changeover contact, delayed

**Operating time of contacts:** < 50 ms

**Release time of contacts:** < 25 ms

**Thermal current  $I_{th}$ :** 4 A

**Nominal breaking capacity** AC 110 V AC 230 V

$\cos \varphi$  1 ... 0.7: 2 A 2 A

$\cos \varphi$  0.4: 1 A 1 A

DC 110 V DC 220 V

ohmic: 0.25 A 0.25 A

inductive: 0.03 A 0.02 A

**Electrical life:** 1.2 x 10<sup>6</sup> switching cycles  
1 500 switches/h  
at 30 % of the switching capacity  
0.8 x 10<sup>6</sup> switching cycles  
1 000 switches/h  
at 50 % of the switching capacity  
0.3 x 10<sup>6</sup> switching cycles  
500 switches/h  
at 100 % of the switching capacity

**Permissible switching frequency:** 1 500 switching cycles / h

### Short circuit strength

**max. fuse rating:** 2 A gL IEC/EN 60 947-5-1

**Mechanical life:** > 3 x 10<sup>6</sup> switching cycles

## General Data

**Operating mode:** Continuous operation

**Temperature range:** - 10 ... + 55 °C

### Clearance and creepage distances

rated impuls voltage /  
pollution degree: 4 kV / 2 IEC 60 664-1

### EMC

Electrostatic discharge: 8 kV (air) IEC/EN 61 000-4-2

HF-irradiation: 10 V/m IEC/EN 61 000-4-3

Fast transients: 2 kV IEC/EN 61 000-4-4

Surge voltages  
between

wires for power supply: 1 kV IEC/EN 61 000-4-5

between wire and ground: 2 kV IEC/EN 61 000-4-5

HF-wire guided: 10 V IEC/EN 61 000-4-6

Interference suppression: Limit value class B EN 55 011

### Degree of protection

Housing: IP 40 IEC/EN 60 529

Terminals: IP 10 IEC/EN 60 529

**Housing:** Thermoplast with V0-behaviour  
according to UL subject 94

**Vibration resistance:** Amplitude 0.35 mm  
frequency 10...55Hz, IEC/EN 60 068-2-6

**Climate resistance:** The device is only to be used in dry  
rooms, in closed switch cabinets or  
switch boxes

**Terminal arrangement:** DIN 46 199-5

**Terminal designation:** EN 50 005

**Wire connection:** 2 x 2.5 mm<sup>2</sup> solid or  
2 x 1.5 mm<sup>2</sup> 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 60 715

**Weight:** 270 g AC-version  
310 g DC-version

## Dimensions

**Width x height x depth:** 45 x 77 x 124 mm

## Standard Type

AA 7562.32 AC 230 V 50 Hz 0.2 ... 30 s

Article number: 0009431 stock item

• Output: 1 changeover contact, instantaneous  
1 changeover contact, delayed

• Nominal voltage  $U_N$ : AC 230 V

• Time range: 0.2 ... 30 s

• Width: 45 mm

## Variant

AA 7562.32/001: DC-version, as option for:  
DC 12, 24, 42, 48, 110, 220 V,  
DC 12 ... 220 V

## Ordering example for variant

AA 7562 .32 /001 DC 24 V 180 s

Time range  
Nominal voltage  
Variant, if required  
Contacts  
Type