

MINITIMER Timer, Release Delay AA 7562



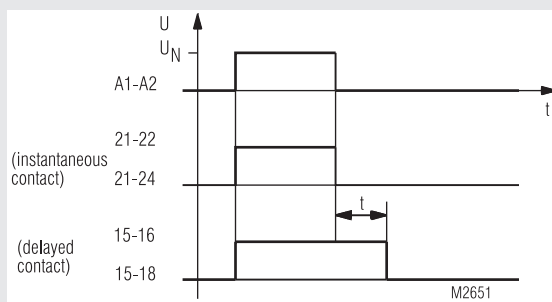
Your Advantage

- Non sensitive to electromagnetic influence by pneumatic time element

Features

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

Function Diagram



Approvals and Markings



Application

Time dependent controls

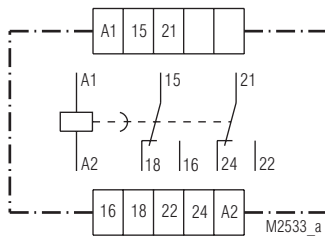
Function

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.

Notes

The mounting distance should not be smaller than 8 mm.

Circuit Diagram



AA 7562.32

Connection Terminals

Terminal designation	Signal description
A1	L / +
A2	N / -
15, 16, 18	Changeover contacts delayed
21, 22, 24	Changeover contacts not delayed

Technical Data

Time Circuit

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

Input

Nominal voltage U_N:	AC 24, 42, 110, 127, 230, 240 V	
	50 or 60 Hz	
	DC 12, 24, 42, 48, 110, 220 V	
Voltage range:	AC 0.85 ... 1.1 U_N	
	DC 0.8 ... 1.1 U_N	
Nominal consumption:	Initial position	Active position
	22 VA	7 VA
	5.5 W	5.5 W
Nominal frequency:	50 Hz	

Output

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

Contact material: AgNi

Measured nominal voltage: AC 250 V

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 φ 1 ... 0.7: 2 A 2 A

cos φ 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 10⁶ switching cycles
1500 switches/h
at 30 % of the switching capacity
0.8 x 10⁶ switching cycles
1000 switches/h
at 50 % of the switching capacity
0.3 x 10⁶ switching cycles
500 switches/h
at 100 % of the switching capacity

Permissible switching frequency: 1500 switching cycles / h

Short circuit strength max. fuse rating: 2 A gG / gL IEC/EN 60 947-5-1

Mechanical life: > 3 x 10⁶ switching cycles

General Data

Operating mode:	Continuous operation	
Temperature range		
Operation:	- 10 ... + 55 °C	
Storage:	- 10 ... + 55 °C	
Altitude:	< 2000 m	
Clearance and creepage distances		
rated impulse 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

Technical Data

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 mm² solid or 2 x 1.5 mm² 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

Fixing torque: 0.8 Nm

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

- 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

Ordering example for variant

AA 7562 .32 /001 DC 24 V 180 s

