

MINITIMER Timer, Off-delay AA 7562

Translation
of the original instructions



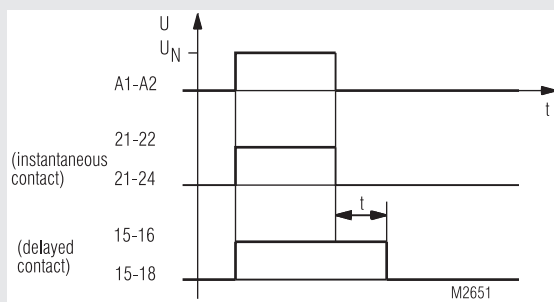
Your Advantage

- Non sensitive to electromagnetic influence by pneumatic time element

Features

- Power OFF-delay relay according to EN 61812-1
- 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

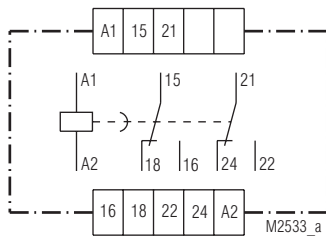
Function

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 10 ⁶ switching cycles
	1500 switches/h
	at 30 % of the switching capacity
	0.8 x 10 ⁶ switching cycles
	1000 switches/h
	at 50 % of the switching capacity
	0.3 x 10 ⁶ 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 60947-5-1
Mechanical life:	> 3 x 10 ⁶ 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 60664-1
EMC		
Electrostatic discharge:	8 kV (air)	IEC/EN 61000-4-2
HF-irradiation:	10 V/m	IEC/EN 61000-4-3
Fast transients:	2 kV	IEC/EN 61000-4-4
Surge voltages		
Between		
wires for power supply:	1 kV	IEC/EN 61000-4-5
Between wire and ground:	2 kV	IEC/EN 61000-4-5
HF-wire guided:	10 V	IEC/EN 61000-4-6
Interference suppression:	Limit value class B	EN 55011

Technical Data

Degree of protection

Housing:	IP 40	IEC/EN 60529
Terminals:	IP 10	IEC/EN 60529

Housing:	Thermoplast with V0-behaviour according to UL subject 94	
Vibration resistance:	Amplitude 0.35 mm frequency 10...55Hz, IEC/EN 60068-2-6	

Climate resistance:	The device is only to be used in dry rooms, in closed switch cabinets or switch boxes	
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Terminal arrangement:	DIN 46199-5
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Terminal designation:	EN 50005
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Wire connection:	2 x 2.5 mm ² solid or 2 x 1.5 mm ² stranded wire with sleeve
	DIN 46228-1/-2/-3/-4

Wire fixing:	Flat terminals with self-lifting clamping piece	IEC/EN 60999-1
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Fixing torque:	0.8 Nm
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Mounting:	DIN rail	IEC/EN 60715
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Weight:	270 g	AC-version
	310 g	DC-version

Dimensions

Width x height x depth:	45 x 77 x 124 mm
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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	
					Time range
					Nominal voltage
					Variant, if required
					Contacts
					Type