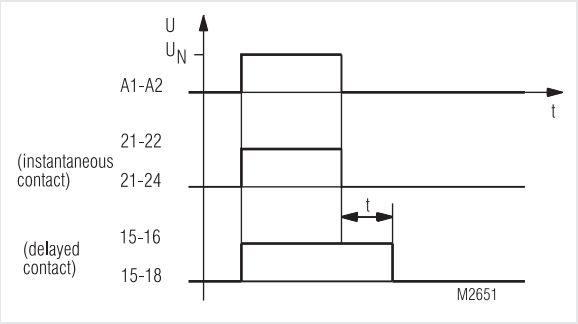
MINITIMER
Timer, Release Delay
AA 7562

0232906

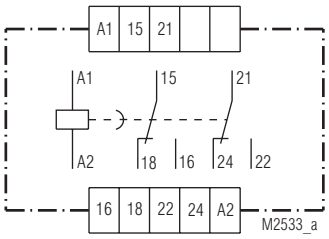
Your Advantage
- Non sensitive to electromagnetical influence by pneumatic time element

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

Function Diagram



Circuit Diagram



AA 7562.32

Approvals and Marking

CE

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 bellow then operates the switch contacts.

Notes

The mounting distance should not be smaller than 8 mm.

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 24 ... 220 V	
Voltage range:	AC 0.85 ... 1.1 U_N DC 0.8 ... 1.1 U_N	
Nominal consumption:	Initial position 22 VA7 VA 5.5 W5.5 W	Active position
Nominal frequency:	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 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 1 500 switches/h at 30 % of the switching capacity 0.8 x 10^6 switching cycles 1 000 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:	1 500 switching cycles / h	
Short circuit strength max. fuse rating:	2 A gL	IEC/EN 60 947-5-1
Mechanical life:	> 3 x 10^6 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 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
Mounting:	DIN rail	IEC/EN 60 715
Weight:	270 g AC-version 310 g DC-version	

Dimensions

Widht 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

- 180 s — Time range
- DC 24 V — Nominal voltage
- /001 — Variant, if required
- .32 — Contacts
- AA 7562 — Type