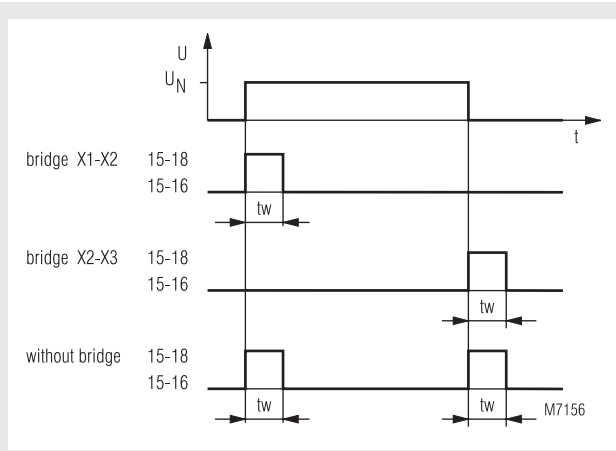


MINITIMER Fleeting Action Timer MK 9988

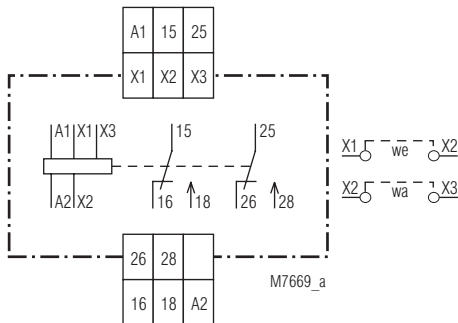


- According to IEC/EN 61 812-1
- Programmable: fleeting on make, fleeting on break, fleeting on make and brake
- Fleeting time 0.3 ... 0.6 s fixed
- Repeat accuracy $< \pm 5 \%$
- LED indication for supply and contact position
- 2-wire-proximity sensor control
- Available with 1 or 2 changeover contacts
- Width 22.5 mm

Function Diagram



Circuit Diagram



MK 9988.52

Approvals and Marking



Applications

Time-dependent circuits

Indicators

LED: on, when supply connected

Technical Data

Time circuit

Fleeting time:	0.3 ... 0.6 s fixed
Repeat accuracy:	$< \pm 5 \%$
Min. switch-off time:	1 s
Voltage influence:	- 5 % / + 10 %
Temperature influence:	$\pm 0.25 \%$ / K

Input

Nominal voltage U_N:	AC 110, 127, 220 ... 240 V AC/DC 24, 42, 48 V
Voltage range:	0.8 ... 1.1 U_N
Nominal power consumption:	8 VA / AC 230 V
Nominal frequency:	50 / 60 Hz
Permissible residual current:	≤ 5 mA

Output

Contacts:	
MK 9988.51:	1 fleeting (changeover contact) programmable
MK 9988.52:	2 fleeting (changeover contacts) programmable
	5 A

Thermal current I_{th} : Switching capacity

to AC 15:		
NO contact:	3 A / AC 230 V	IEC/EN 60 947-5-1
NC contact:	1 A / AC 230 V	IEC/EN 60 947-5-1

Electrical life

to AC 15 at 3 A, AC 230 V: 5 x 10⁵ switching cycles

Permissible switching frequency:

3 000 switching cycles / h

Short-circuit strength

max. fuse rating:

6 A gL IEC/EN 60 947-5-1

Mechanical life:

20 x 10⁶ switching cycles

Technical Data

General Data

Operating mode:	Continuous operation	
Temperature range:	- 20 ... + 60 °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:	4 kV	IEC/EN 61 000-4-4
Surge voltages between wires for power supply:	2 kV	IEC/EN 61 000-4-5
between wire and ground:	4 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 20	IEC/EN 60 529
Housing:	Thermoplastic with V0 behaviour according to UL Subj. 94	
Vibration resistance:	Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60 068-2-6	
Climate resistance:	20 / 060 / 04 IEC/EN 60 068-1	
Terminal designation:	EN 50 005	
Wire connection:	2 x 1.5 mm ² solid or 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:	140 g	

Dimensions

Width x height x depth: 22.5 x 82 x 99 mm

Standard Type

MK 9988.51 AC 220 ... 240 V	50 / 60 Hz	
Article number:	0003532	stock item
• Output:	1 fleeting (changeover contact)	
• Nominal voltage U _N :	AC 220 ... 240 V	
• Width:	22.5 mm	

Ordering example

MK 9988	.51	AC 230 V	50 / 60 Hz	
				Nominal frequency
				Nominal voltage
				Contacts
				Type

Accessories

ET 4752-143:	Marking plate
	Article number: 0043203