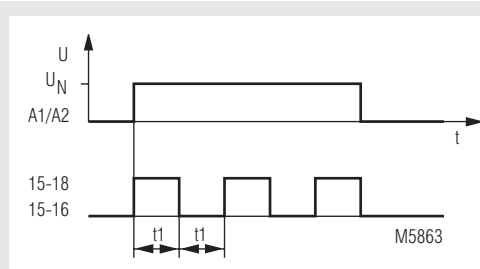


MINITIMER Flasher Relay MK 7852



- According to IEC/EN 61 812-1
- Pulse time 0.5 s fixed
- Start with pulse
- Repeat accuracy < 1 %
- LED display for contact position
- Changeover contact 1 or 2 changeover contact
- Width: 22.5 mm

Function Diagram



Approvals and Marking



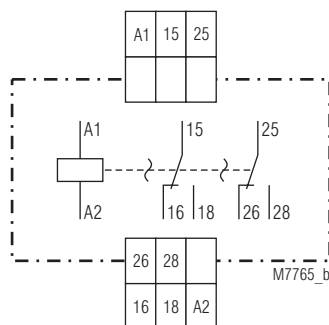
Application

Time-based control equipment

Indicator

LED: on when the output relay is activated

Circuit Diagram



MK 7852.82

Technical Data

Time circuit

Pulse and space times:	0.5 s / 0.5 s ± 20 % start with flashing-on
Time setting:	fixed
Repeat accuracy:	< 1 %
Voltage influence:	< ± 1 %
Temperature influence:	< ± 0.05 % / K

Input

Nominal voltage U_N:	AC/DC 24, 42 V
	AC 110 ... 127, 220 ... 240 V
Voltage range:	0.8 ... 1.1 U_N
Nominal consumption:	AC/DC 24, 42 V 0.8 VA / 0.8 W
	AC 110 V 2.2 VA
	AC 127 V 2.9 VA
	AC 230 V 4 VA
	AC 240 5 VA
Nominal frequency:	50 / 60 Hz

Output

Contacts	
MK 7852.81:	1 changeover contacts
MK 7852.82:	2 changeover contacts
Thermal current I_{th}:	5 A
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 10 ⁵ switch. cycl. IEC/EN 60 947-5-1
Permissible operating frequency:	depends on the flasher frequency
Short circuit strength	
max. fuse rating:	6 A gL IEC/EN 60 947-5-1
Mechanical life:	> 30 x 10 ⁶ switching cycles

Technical Data

General Data

Operating mode:	Continuous operation	
Temperature range:	- 20 ... + 60 °C	
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:	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 Subject 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 2 x 1,0 mm ² stranded ferruled 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:	130 g	

Dimensions

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

Standard Type

MK 7852.82	AC 220 ... 240 V	50 / 60 Hz	
Article number:	0023867		stock item
• Output:	2 changeover contacts		
• Nominal voltage U_N :	AC 220 ... 240 V		
• Width:	22.5 mm		

Ordering Example

MK 7852	.81	AC 220 ... 240 V	50 / 60 Hz	
				Nominal frequency
				Nominal voltage
				Contacts
				Type

Accessories

ET 4752-143:	Marking plate
	Article number: 0043203