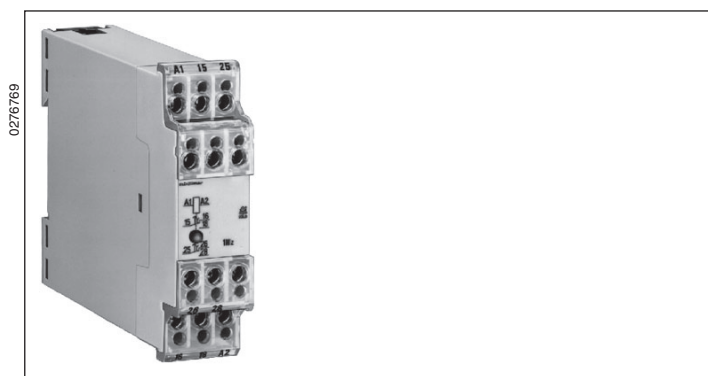


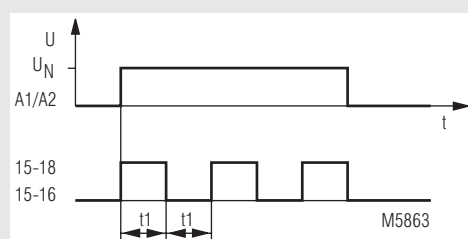
MINITIMER Flasher Relay MK 7852

Translation
of the original instructions



- According to IEC/EN 61812-1
- 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 Markings



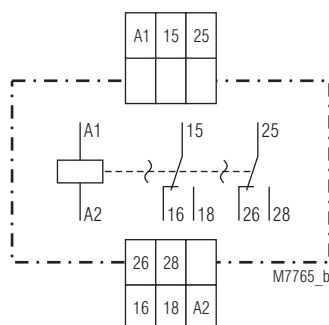
Application

Time-based control equipment

Indicator

LED: On when the output relay is activated

Circuit Diagram



MK 7852.82

Connection Terminals

Terminal designation	Signal description
A1	L / +
A2	N / -
15, 16, 18; 25, 26, 28	Changeover contacts

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 %
Recovery time	
tw 50 / 100:	< 40 ms
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	
Frequency range:	± 5 % f_N	

Output

Contacts		
MK 7852.81:	1 changeover contacts	
MK 7852.82:	2 changeover contacts	
Contact material:	AgSnO ₂	
Measured nominal voltage:	AC 250 V	
Thermal current I_{th}:	5 A	
Switching capacity		
To AC 15:		
NO contact:	3 A / AC 230 V	IEC/EN 60947-5-1
NC contact:	1 A / AC 230 V	IEC/EN 60947-5-1
Electrical life		
To AC 15 at 3 A, AC 230 V:	5 x 10 ⁵ switch. cycl.	IEC/EN 60947-5-1
Permissible operating frequency:	6000 switching cycles / h	
Short circuit strength		
Max. fuse rating:	4 A gG / gL	IEC/EN 60947-5-1
Mechanical life:	> 30 x 10 ⁶ switching cycles	

General Data

Operating mode:	Continuous operation	
Temperature range		
Operation:	- 20 ... + 60 °C	
Storage:	- 25 ... + 70 °C	
Relative air humidity:	95 % at 40 °C	
Altitude:	< 2000 m	
Clearance and creepage distances		
Rated impulse voltage / pollution degree:	4 kV / 2 (basis insulation)	IEC 60664-1
Overvoltage category:	III	
Insulation test voltage, type test:	2.5 kV; 1 min	
EMC		
Electrostatic discharge:	8 kV (air)	IEC/EN 61000-4-2
HF-irradiation		
80 MHz ... 1 GHz:	10 V / m	IEC/EN 61000-4-3
1 GHz ... 2.5 GHz:	3 V / m	IEC/EN 61000-4-3
2.5 GHz ... 2.7 GHz:	1 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 20 IEC/EN 60529
Housing:	Thermoplastic with V0 behaviour according to UL Subject 94
Vibration resistance:	Amplitude 0.35 mm, frequency 10 ... 55 Hz, IEC/EN 60068-2-6
Climate resistance:	20 / 060 / 04 IEC/EN 60068-1
Terminal designation:	EN 50005
Wire connection:	2 x 1.5 mm ² solid or stranded ferruled DIN 46228-1/-2/-3/-4
Insulation of wires or sleeve length:	8 mm
Wire fixing:	Flat terminals with self-lifting clamping piece IEC/EN 60999-1
Fixing torque:	0.4 Nm
Mounting:	DIN rail IEC/EN 60715
Weight:	130 g

Dimensions

Width x height x depth:	22.5 x 82 x 99 mm
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Standard Type	
MK 7852.82	AC 220 ... 240 V 50 / 60 Hz
Article number:	0023867
• 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