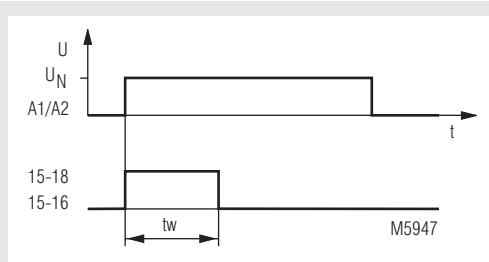


## MINITIMER Fleeting Action Relay IK 7826



- According to IEC/EN 61 812-1
- Fleeting action 0.05 ... 1 s, adjustable
- Fleet make contact
- Repeat accuracy  $\leq 0.5 \% + 10 \text{ ms}$
- Pushbutton for manual actuation of the contact
- 1 changeover contact for 16 A
- Width 17.5 mm

### Function Diagram



### Approvals and Marking



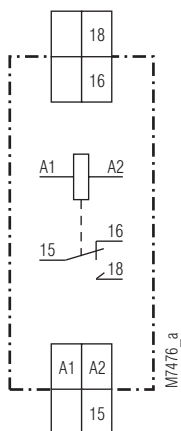
### Applications

- Time-dependent controllers

### Indicators

Push button: pressed, when relay energized

### Circuit Diagram



### Technical Data

**Fleeting action:** 0.05 ... 1 s  
**Tolerance of end value:** - 5 ... + 25 % of nominal value  
**Time setting:** stepless, 1:20 on relative scale  
**Recovery time:** approx. 60 ms (during time run-down)  
 approx. 700 ms (after time run-down)  
**Repeat accuracy:**  $< \pm 0.5 \% + 10 \text{ ms}$

### Input

**Nominal voltage  $U_N$ :** AC 24, 127, 230 V  
 DC 24 V  
**Voltage range:** 90 ... 110 %  $U_N$   
**Nominal frequency:** 50 Hz  
**Frequency range:**  $\pm 5 \%$   
**Nominal consumption**  
 AC: 2.3 VA  
 DC: 1.5 W  
**Voltage influence:**  $< 1 \%$  over voltage range  
**Temperature influence:**  $< 0.1 \% / K$

### Output

#### Contacts

IK 7826.71: 1 changeover contact  
 (fleet make contact)  
**Release time of the contacts:**  $< 30 \text{ ms}$   
**Thermal current  $I_{th}$ :** 16 A  
**Electrical life**  
 at 500 switching cycles / h  
 under ohmic load AC 230 V:  
 6 A 150 x 10<sup>4</sup> switching cycles  
 10 A 72 x 10<sup>4</sup> switching cycles  
 16 A 12 x 10<sup>4</sup> switching cycles  
 Inductive load  $\cos \varphi 0.6$ :  
 10 A 10 x 10<sup>4</sup> switching cycles  
**DC load:** see limit curve for arc-free operation  
**Short circuit strength**  
**max. fuse rating:** 16 A gL IEC/EN 60 947-5-1  
**Mechanical life:**  $> 3 \times 10^6$  switching cycles

## Technical Data

### General Data

<b>Operating mode:</b>	Continuous operation	
<b>Temperature range:</b>	- 20 ... + 45 °C	
<b>Clearance and creepage distances</b>		
rated impuls voltage / pollution degree:	4 kV / 2	IEC 60 664-1
<b>EMC</b>		
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
Interference suppression:	Limit value class B	EN 55 011
<b>Degree of protection</b>		
Housing:	IP 40	IEC/EN 60 529
Terminals:	IP 20	IEC/EN 60 529
<b>Housing:</b>	Thermoplastic with V0 behaviour according to UL subject 94	
<b>Vibration resistance:</b>	Amplitude 0.35 mm, frequency 10 ... 55 Hz IEC/EN 60 068-2-6	
<b>Climate resistance:</b>	20 / 045 / 04 IEC/EN 60 068-1	
<b>Terminal designation:</b>	EN 50 005	
<b>Wire connection:</b>	2 x 2.5 mm <sup>2</sup> solid or 2 x 1.5 mm <sup>2</sup> stranded ferruled DIN 46 228-1/-2/-3/-4	
<b>Wire fixing:</b>	Flat terminals with self-lifting clamping piece IEC/EN 60 999-1	
<b>Mounting:</b>	DIN rail IEC/EN 60 715	
<b>Weight:</b>	100 g	

### Dimensions

**Width x height x depth:** 17.5 x 89 x 58 mm

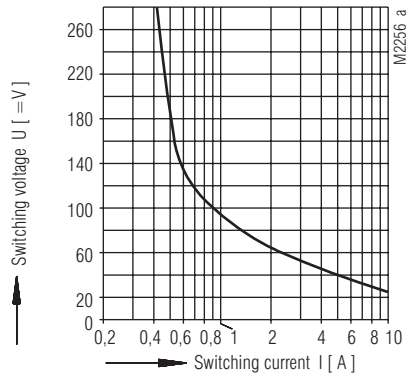
### Standard Type

IK 7826.71 AC 230 V 50 Hz 0.05 ... 1 s	
Article number:	0043114 stock item
• Output:	1 changeover contact (fleet make contact)
• Nominal voltage $U_N$ :	AC 230 V
• Fleeting action:	0.05 ... 1 s
• Width:	17.5 mm

### Ordering Example

IK 7826	.71	AC 230 V	50 Hz	1 s	
					Time range limit value
					Nominal frequency
					Nominal voltage
					Contact
					Type

## Characteristics



safe braking, no continuous arcing  
max. 1000 switching cycles / h  
contact spacing min. 0,6mm

Limit curve for arc-free operation