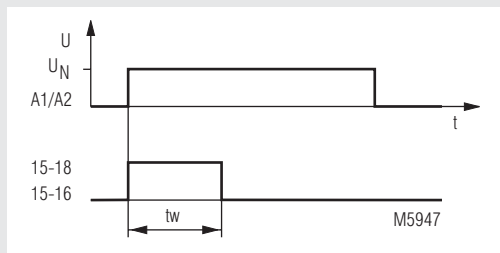


Fleeting action relay IK 7826 minitimer

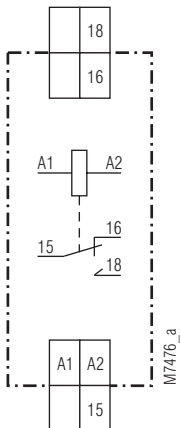


- According to IEC/EN 61 812-1
- Fleeting action 0,05 ... 1 s, adjustable
- Fleet make contact
- Repeat accuracy $\leq 0,5 \% + 10 \text{ ms}$
- Pushbutton for manual actuation of the contact
- 1 changeover contact for 16 A
- Width 17,5 mm

Function diagram



Circuit diagram



Approvals and marking



Applications

- Time-dependent controllers

Indicators

Push button: pressed, when relay energized

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: $< 1 \% \text{ over voltage range}$
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 150×10^4 switching cycles
 10 A 72×10^4 switching cycles
 16 A 12×10^4 switching cycles
 10 A 10×10^4 switching cycles

Inductive load $\cos \varphi 0,6$:

DC load:

Short circuit strength

max. fuse rating: 16 A gL IEC/EN 60 947-5-1

Mechanical life: $> 3 \times 10^6$ switching cycles

General data

Operating mode: Continuous operation

Temperature range: - 20 ... + 45 °C

Technical data

Clearance and creepage distances

overvoltage category /
contamination level: 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

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 / 045 / 04 IEC/EN 60 068-1

Terminal designation: EN 50 005

Wire connection: 2 x 2,5 mm² solid or
2 x 1,5 mm² 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: 100 g

Dimensions

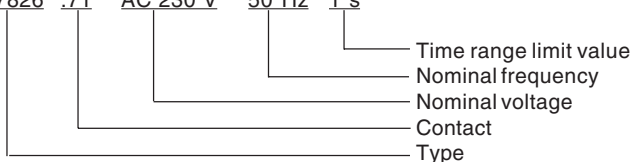
Width x height x depth: 17,5 x 89 x 58 mm

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

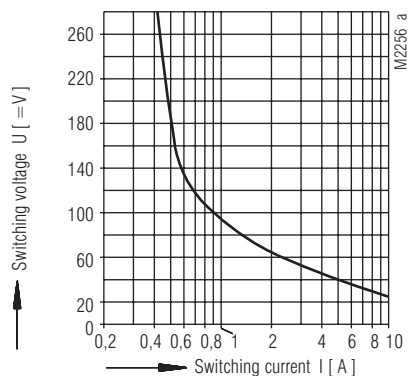
Ordering example

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