

Technical Data

Input

Nominal voltage U_N:	AC/DC 24, 48, 60, 110 ... 127, 220 ... 240 V
Voltage range:	0.8 ... 1.1 U_N 0.9 ... 1.25 U_N in battery operating mode
Nominal consumption:	AC/DC 24 48 60 110 230 V
apparent power:	0.8 0.7 0.7 4.0 6.0 VA
actual power:	0.7 0.6 0.6 0.4 0.5 W
Nominal frequency:	50 / 60 Hz
Frequency range:	± 5 %
Permissible residual current:	≤ 5 mA

Output

Contacts

IK 3071.11:	1 changeover contact
IK 3071.12:	2 changeover contacts

Operate time

at 24 ... 60 V:	≤ 20 ms
at 110 ... 240 V:	≤ 15 ms

Release time

at 24 ... 60 V:	≤ 20 ms
at 110 ... 240 V:	≤ 200 ms

Thermal current I_{th} :

5 A

Switching capacity:

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
to DC 13:	1 A / DC 24 V	IEC/EN 60947-5-1
Electrical life		IEC/EN 60947-5-1

AC 15 at 3 A, AC/DC 230 V: 8 x 10⁵ switching cycles

Permissible switching frequency:

6 000 switching cycles/h

Short circuit strength

max. fuse rating: 4 A gG / gL IEC/EN 60947-5-1

Mechanical life:

30 x 10⁶ switching cycles

General Data

Operating mode: Continuous operation

Temperature range:

Operation: - 20 ... + 60 °C

Storage: - 20 ... + 60 °C

Altitude: ≤ 2000 m

Clearance and creepage distances

rated impulse voltage/
pollution degree: 4 kV / 2 IEC 60664-1

EMC
Electrostatic discharge: 8 kV (air) IEC/EN 61000-4-2

HF-irradiation
80 MHz ... 2.7 GHz: 10 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

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 2.5 mm² solid or

2 x 1.5 mm² stranded ferruled

DIN 46228-1/-2/-3/-4

Stripping length: 10 mm

Wire fixing:

Plus-Minus-terminal screws M3,5 with

self-lifting clamping piece IEC/EN 60999-1

Fixing torque: 0.8 Nm

Mounting: DIN rail IEC/EN 60715

Weight: 78 g

Dimensions

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

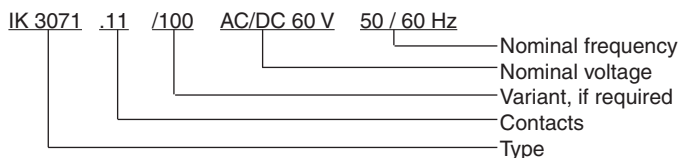
Standard Type

IK 3071.12 AC/DC 220 ... 240 V 50 / 60 Hz	
Article number:	0032339
• Output:	2 changeover contacts
• Nominal voltage U_N :	AC/DC 220 ... 240 V
• Width:	17.5 mm

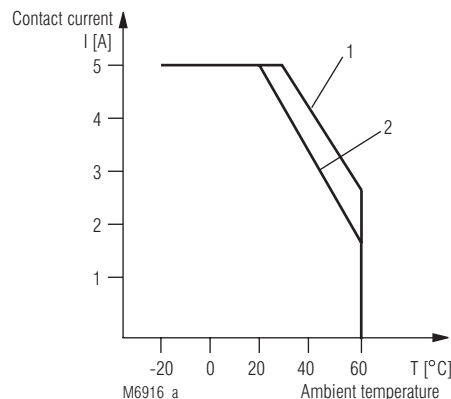
Variants

IK 3071.__/004:	For low loads of 0.1 ... 60 V, 1 mA ... 300 mA
IK 3071.11/100:	To protect the contacts, this configuration has an RC combination that can be connected via F when required.

Ordering Example for variants



Characteristics



Permanent current limit curve:

Permissible contact current in relation to the ambient temperature

1 = Device mounted without distance,
operated with nominal voltage

2 = Device mounted without distance,
operated with excess voltage