

# Eaton 241174

Catalog Number: 241174

RCD/MCB, 16A, 30mA, miniature circuit-breaker trip curve: C, 1pole+N, residual current circuit-breaker trip characteristic: AC. CKN6-16/1N/C/003-DE



## General specifications

Product Name	Catalog Number
Eaton Moeller series xClear - CKN4/6 RCBO - residual-current circuit breaker with overcurrent protection	241174 EAN 4015082411749
Product Length/Depth	Product Height
80 mm	73 mm
Product Width	Product Weight
35 mm	0.203 kg
Certifications	Model Code
CE	CKN6-16/1N/C/003-DE

## Termékjellemzők

### Type

RCBO

### Application

Switchgear for residential and commercial applications

### Voltage rating

230 V

### Surge current capacity

0.25 kA

### Voltage type

AC

### Width in number of modular spacings

2

### Features

Concurrently switching N-neutral

#### 10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

#### 10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

#### 10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

#### 10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

#### 10.2.2 Corrosion resistance

Meets the product standard's requirements.

##### 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

##### 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

##### 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

## Források

### Megfelelőségi nyilatkozatok

DA-DC-03\_CKN

### Telepítési útmutató

IL019140ZU

#### 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

#### 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.2.7 Inscriptions

Meets the product standard's requirements.

#### 10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.4 Clearances and creepage distances

Meets the product standard's requirements.

#### 10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

#### 10.8 Connections for external conductors

Is the panel builder's responsibility.

#### 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

#### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

#### 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

#### Operating ambient temperature - max

40 °C

#### Operating ambient temperature - min

-25 °C

#### Rated current

16 A

#### Rated operational current for specified heat dissipation (In)

16 A

Static heat dissipation, non-current-dependent

0 W

Built-in depth

69.5 mm

Current limiting class

3

Rated short-circuit breaking capacity (EN 60947-2)

0 kA

Fault current rating

0.03 A

Heat dissipation capacity

0 W

Heat dissipation per pole, current-dependent

0 W

Number of poles (protected)

1

Number of poles (total)

2

Basic function

Combined RCD/MCB devices

Equipment heat dissipation, current-dependent

3.6 W

Rated impulse withstand voltage (U<sub>imp</sub>)

4 kV

Degree of protection

IP20

Overvoltage category

III

Pollution degree

2

Leakage current type

AC

Release characteristic

C

Frequency rating

50 Hz

Rated insulation voltage (Ui)

250 V

Connectable conductor cross section (solid-core) - min

1 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - max

25 mm<sup>2</sup>

Connectable conductor cross section (multi-wired) - min

1 mm<sup>2</sup>

Connectable conductor cross section (multi-wired) - max

25 mm<sup>2</sup>

Rated short-circuit breaking capacity (EN 61009)

6 kA

Rated short-circuit breaking capacity (EN 61009-1)

6 kA

Number of poles

Single-pole + N



Eaton Corporation plc  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

© 2024 Eaton. Minden jogproperty of their respective  
fentartva.

Eaton is a registered trademark.

All other trademarks are  
owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)