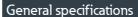
# Eaton EMBH132R30C

### Catalog Number: EMBH132R30C

Eaton Moeller series xPole - eRB6/M RCBO - residual-current circuit breaker with overcurrent protection. Electronic RCD/MCB, 32A, 30mA, MCB char. curve: B, 1p, RCCB trip char.: A, UK





Eaton Moeller series xPole - eRB6/M RCBO - residual-current circuit breaker with overcurrent protection

#### EAN

4015081488292

**Product Height** 

72 mm

**Product Weight** 

0.205 kg

Certifications

CE

Catalog Number

EMBH132R30C

Model Code

eRBM-32/1/B/003-A

Product Length/Depth

216 mm

**Product Width** 

17.5 mm

Compliances

RoHS conform



#### **Product specifications**

#### 10.11 Short-circuit rating

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

#### 10.4 Clearances and creepage distances

Meets the product standard's requirements.

#### 10.12 Electromagnetic compatibility

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

#### **Current limiting class**

3

#### 10.2.5 Lifting

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

#### 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

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

0 kA

#### Frequency rating

50/60 Hz

#### 10.8 Connections for external conductors

Is the panel builder's responsibility.

#### Number of poles (total)

1

#### Fault current rating

0.03 A

#### Ambient operating temperature - max

40 °C

#### Built-in depth

69.5 mm

#### Connectable conductor cross section (solid-core) - min

1 mm<sup>2</sup>

#### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

#### Number of poles

Single-pole

#### Ambient operating temperature - min

#### Resources

#### Catalogues

eaton-xpole-erb6-au-rcbo-catalog-ca019052en-en-us.pdf

eaton-xpole-erb6/m-dimensions.jpg

eaton-xpole-erb6-rcbo-catalog-ca019049en-en-us.pdf

#### Certification reports

03\_eRB\_220620

DA-DC-03\_eRB

#### Installation instructions

eaton-xpole-combined-mcb-rcd-device-rcbo-packaging-manual-multilingual.pdf

IL019095ZU

MA120500735.pdf

#### Wiring diagrams

eaton-xpole-erb6/m-wiring-diagram.jpg

#### 10.6 Incorporation of switching devices and components

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

#### 10.5 Protection against electric shock

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

#### 10.13 Mechanical function

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

#### 10.2.6 Mechanical impact

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

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

Is the panel builder's responsibility.

#### Application

Switchgear for residential and commercial applications

#### 10.3 Degree of protection of assemblies

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

#### Voltage type

AC

#### Number of poles (protected)

1

#### Leakage current type

Α

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

10 kA

#### Operating ambient temperature - min

-25 °C

#### Release characteristic

В

#### Width in number of modular spacings

1

#### Power loss

10.7 W

## 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. Rated short-circuit breaking capacity (EN 61009) 10 kA

Operating ambient temperature - max

40 °C

Voltage rating

240 V - 240 V

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

Connectable conductor cross section (solid-core) - max

25 mm<sup>2</sup>

Degree of protection

IP20

Overvoltage category

Ш

Pollution degree

2

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Connectable conductor cross section (multi-wired) - min

1 mm<sup>2</sup>

Rated impulse withstand voltage (Uimp)

4 kV

#### 10.10 Temperature rise

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

**Basic function** 

Combined RCD/MCB devices

Rated current

32 A

Connectable conductor cross section (multi-wired) - max

25 mm<sup>2</sup>

Type

**RCBO** 

10.2.2 Corrosion resistance

Meets the product standard's requirements.

Surge current capacity

0.25 kA

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

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

0 kA

Disconnection characteristic

Undelayed

**Product application** 

Switchgear for residential and commercial applications

Rated operational voltage (Ue) - max

240 V

Rated insulation voltage (Ui)

500 V



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