

Eaton 194688

Catalog Number: 194688

Eaton Moeller series xPole - HNC RCCB. Residual current circuit breaker (RCCB), 40A, 4p, 30mA, type A

General specifications



Product Name	Catalog Number
Eaton Moeller series xPole - HNC RCCB	194688
EAN	Product Length/Depth
9010238060814	80 mm
Product Height	Product Width
76 mm	70 mm
Product Weight	Compliances
0.298 kg	RoHS conform
Certifications	Model Code
IEC/EN 61008	HNC-40/4/003-A

Delivery program

Application

Residual current circuit
breaker for residential and
commercial applications
xPole Home - Switchgear for
residential applications

Number of poles

Four-pole

Tripping time

Non-delayed

Amperage Rating

40 A

Rated short-circuit strength

6 kA

Fault current rating

30 mA

Sensitivity type

Pulse-current sensitive

Impulse withstand current

Partly surge-proof 250 A

Type

HNC
Residual current circuit
breakers
Type A

Technical data - electrical

Voltage rating

230 V AC / 400 V AC

Rated operational voltage (U_e) - max

230 V

Rated insulation voltage (U_i)

440 V

Rated impulse withstand voltage (U_{imp})

4 kV

Rated fault current - min

0.03 A

Rated fault current - max

0.03 A

Frequency rating

50 Hz

Short-circuit rating

63 A (max. admissible back-up fuse)

Leakage current type

A

Rated residual making and breaking capacity

500 A

Admissible back-up fuse overload - max

25 A gG/gL

Rated short-time withstand current (I_{cw})

6 kA

Surge current capacity

0.25 kA

Pollution degree

2

Technical data - mechanical

Width in number of modular spacings

4

Built-in width (number of units)

70 mm (4 SU)

Design verification as per IEC/EN 61439 - technical data

Rated operational current for specified heat dissipation (I_n)

40 A

Heat dissipation per pole, current-dependent

0 W

Built-in depth

45 mm

Mounting Method

DIN rail

Degree of protection

IP20

Connectable conductor cross section (solid-core) - min

1.5 mm²

Connectable conductor cross section (solid-core) - max

35 mm²

Connectable conductor cross section (multi-wired) - min

1.5 mm²

Connectable conductor cross section (multi-wired) - max

16 mm²

Busbar material thickness

0.8 mm - 2 mm

Equipment heat dissipation, current-dependent

13.1 W

9.6 W

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

60 °C

Design verification as per IEC/EN 61439

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.

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.

[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.

Additional information

Features

Residual current circuit breaker

Additional equipment possible

Fitted with:

Interlocking device

Special features

Maximum operating temperature is 60 °C: Starting at 40 °C, the max. permissible continuous current decreases by 2.5% for every 1 °C

Used with

Residual current circuit breakers

HNC

Type A

Do pobrania

Broszury

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Certyfikaty

[DA-DC-03_HNC](#)

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DWG

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eCAD model

[ETN.HNC-40_4_003-A.edz](#)

Katalogi

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