

# Specyfikacje



## Eaton 194684

Eaton Moeller series xPole - HNC RCCB.  
HNC, 2 pole, In: 25 A, Icn: 6 kA, IΔN: 0.03 A, Type A, residential and commercial

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller series xPole - HNC RCCB
<b>CATALOG NUMBER</b>	194684
<b>EAN</b>	9010238066021
<b>PRODUCT LENGTH/DEPTH</b>	80 mm
<b>PRODUCT HEIGHT</b>	76 mm
<b>PRODUCT WIDTH</b>	35 mm
<b>PRODUCT WEIGHT</b>	0.207 kg
<b>COMPLIANCES</b>	RoHS conform
<b>CERTIFICATIONS</b>	IEC/EN 61008
<b>MODEL CODE</b>	HNC-25/2/003-A

## Delivery program

### APPLICATION

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

<b>NUMBER OF POLES</b>	Two-pole
<b>TRIPPING TIME</b>	Non-delayed
<b>AMPERAGE RATING</b>	25 A
<b>RATED SHORT-CIRCUIT STRENGTH</b>	6 kA
<b>FAULT CURRENT RATING</b>	30 mA
<b>SENSITIVITY TYPE</b>	Pulse-current sensitive
<b>IMPULSE WITHSTAND CURRENT</b>	Partly surge-proof 250 A

### TYPE

- HNC
- Residual current circuit breakers
- Type A

## Technical data - mechanical

<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	2
<b>BUILT-IN WIDTH (NUMBER OF UNITS)</b>	35 mm (2 SU)
<b>BUILT-IN DEPTH</b>	45 mm
<b>MOUNTING METHOD</b>	DIN rail
<b>DEGREE OF PROTECTION</b>	IP20
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b>	1.5 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b>	35 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b>	1.5 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED)</b>	16 mm <sup>2</sup>

## Technical data - electrical

<b>VOLTAGE RATING</b>	230 V AC
<b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>	230 V
<b>RATED INSULATION VOLTAGE (UI)</b>	440 V
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4 kV
<b>RATED FAULT CURRENT - MIN</b>	0.03 A
<b>RATED FAULT CURRENT - MAX</b>	0.03 A
<b>FREQUENCY RATING</b>	50 Hz
<b>SHORT-CIRCUIT RATING</b>	63 A (max. admissible back-up fuse)
<b>LEAKAGE CURRENT TYPE</b>	A
<b>RATED RESIDUAL MAKING AND BREAKING CAPACITY</b>	500 A
<b>ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX</b>	25 A gG/gL
<b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>	6 kA
<b>SURGE CURRENT CAPACITY</b>	0.25 kA
<b>POLLUTION DEGREE</b>	2

## Design verification as per IEC/EN 61439 - technical data

<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	25 A
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>	0 W
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	2 W
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C

- MAX

<b>BUSBAR MATERIAL THICKNESS</b>	0.8 mm - 2 mm
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### Design verification as per IEC/EN 61439

<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide

### Additional information

<b>FEATURES</b>	Additional equipment possible Residual current circuit breaker
<b>FITTED WITH:</b>	Interlocking device
<b>SPECIAL FEATURES</b>	Maximum operating temperature is 55 °C: Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C
<b>USED WITH</b>	HNC Residual current circuit breakers Type A

	heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Zasoby

<b>BROSZURY</b>	<a href="#">eaton-xPole-home-leaflet-br003019en-en-gb.pdf</a>
<b>CERTYFIKATY</b>	<a href="#">HNC_EN.pdf</a>
	<a href="#">DA-DC-03_HNC</a>
<b>DEKLARACJE ZGODNOŚCI</b>	<a href="#">03_hnc_191119.pdf</a>
	<a href="#">eaton-hnc-declaration-of-confirmity-pl.pdf</a>
<b>DWG</b>	<a href="#">eaton-xpole-pf67-rccb-wiring-diagram.jpg</a>
	<a href="#">eaton-xpole-hnc-rccb-dimensions.jpg</a>
	<a href="#">Mas_CFI6_Ausloese_PKNM</a>
	<a href="#">eaton-xpole-pkn6-m-3d-drawing.jpg</a>
<b>ECAD MODEL</b>	<a href="#">ETN.HNC-25_2_003-A.edz</a>
<b>KATALOGI</b>	<a href="#">eaton-xpole%20home-hnc-rccb-catalog-ca019024en-en-us.pdf</a>
	<a href="#">eaton-cadenas-side_view-pfi_2p_side.pra</a>
	<a href="#">eaton-residual-current-circuit-breakers-3d-models-pfi-2p.stp</a>
<b>MCAD MODEL</b>	<a href="#">eaton-cadenas-front_view-pfi_2p_front.pra</a>
	<a href="#">eaton-cadenas-path-03-geo-pfi_2p.3db</a>
	<a href="#">eaton-residual-current-circuit-breakers-drawings-pfi-2p.dwg</a>
<b>SCHEMATY POŁĄCZEŃ</b>	<a href="#">PF7_2P</a>

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATA:**

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