Specyfikacje

Eaton 194689

Eaton Moeller series xPole - HNC RCCB. HNC, 4 pole, In: 63 A, Icn: 6 kA, IΔN: 0.03 A, Type A, residential and commercial

General specifications	
PRODUCT NAME	Eaton Moeller series xPole - HNC RCCB
CATALOG NUMBER	194689
EAN	9010238060821
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	80 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.298 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 61008
MODEL CODE	HNC-63/4/003-A

Powering Business Worldwide

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	63 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 (UE) - MAX	230 V
RATED INSULATION VOLTAGE (UI)	440 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	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	630 A
ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX	40 A gG/gL
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	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)
BUILT-IN DEPTH	45 mm
MOUNTING METHOD	DIN rail
DEGREE OF PROTECTION	IP20
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1.5 mm^2
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	35 mm^2
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1.5 mm^2
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	16 mm^2
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm

Design verification as per IEC/EN 61439 - technical data

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	63 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	13.4 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	Is the panel builder's responsibility.

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 1.8% for every 1 °C
USED WITH	Type A Residual current circuit breakers HNC

INSULATING MATERIAL	
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.

Do pobrania

BROSZURY	eaton-xPole-home-leaflet-br003019en-en-gb.pdf
CERTYFIKATY	HNC_EN.pdf
DEKLARACJE ZGODNOŚCI	eaton-rccb-declaration-of-conformity-eu250389en.pdf eaton-hnc-declaration-of-confirmity-pl.pdf
KATALOGI	eaton-xpole%20home-hnc-rccb-catalog-ca019024en-en-us.pdf
MODELE ECAD	ETN.HNC-63_4_003-A.edz
MODELE MCAD	eaton-residual-current-circuit-breakers-drawings-pfi-4p.dwg eaton-residual-current-circuit-breakers-3d-models-pfi-4p.stp
PEP ECO-PASSPORT	eaton-residual-current-circuit-breakers-pep-eato-00111-v0101-en.pdf
RYSUNKI	eaton-xpole-hnc-rccb-dimensions.jpg eaton-xpole-pkn6-m-3d-drawing.jpg

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATA:	

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