Specifications



Eaton 194694

Eaton Moeller series xPole - HNC RCCB. HNC, 4 pole, In: 40 A, Icn: 6 kA, IΔN: 0.03 A, Type AC, residential and commercial

General specifications	
PRODUCT NAME	Eaton Moeller series xPole - HNC RCCB
CATALOG NUMBER	194694
MODEL CODE	HNC-40/4/003
EAN	9010238060845
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
GLOBAL CATALOG	194694
PRODUCT TYPE	RCCB

Powering Business Worldwide

Product specifications

USED WITH	HNC Residual current circuit breakers Type AC
AMPERAGE RATING	40 A
VOLTAGE RATING	230 V AC / 400 V AC
FEATURES	Residual current circuit breaker Additional equipment possible
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.
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	Does not apply, since the

Resources

BROCHURES	eaton-xPole-home-leaflet-br003019en-en-gb.pdf
CATALOGS	eaton-xpole%20home-hnc-rccb-catalog-ca019024en-en-us.pdf
CERTIFICATION REPORTS	HNC_EN.pdf
DECLARATIONS OF CONFORMITY	eaton-rccb-declaration-of-conformity-eu250389en.pdf
DRAWINGS	eaton-xpole-hnc-rccb-dimensions.jpg eaton-xpole-pkn6-m-3d-drawing.jpg
ECAD MODEL	ETN.HNC-40_4_003.edz
MCAD MODEL	eaton-residual-current-circuit-breakers-3d-models-pfi-4p.stp eaton-rccb-mcad-drawings-pfi-4p.dwg
PEP ECO-PASSPORT	eaton-residual-current-circuit-breakers-pep-eato-00111-v0101-en.pdf
WIRING DIAGRAMS	eaton-xeffect-frcmm-rccb-wiring-diagram-002.jpg

IMPACT	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.
FITTED WITH:	Interlocking device
FREQUENCY RATING	50 Hz
POLLUTION DEGREE	2
MOUNTING METHOD	DIN rail
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	13.1 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	6 kA
ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX	25 A gG/gL
BUILT-IN WIDTH (NUMBER OF UNITS)	70 mm (4 SU)
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm
SHORT-CIRCUIT RATING	63 A (max. admissible back-up fuse)
AMBIENT OPERATING TEMPERATURE - MAX	60 °C

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	45 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	16 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1.5 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	35 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1.5 mm²
FAULT CURRENT RATING	30 mA
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
DEGREE OF PROTECTION	IP20
IMPULSE WITHSTAND CURRENT	Partly surge-proof 250 A
NUMBER OF POLES	Four-pole
LEAKAGE CURRENT TYPE	AC
TYPE	• HNC • Residual current circuit breakers • Type AC
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
APPLICATION	• Residual current circuit breaker for residential and commercial applications • xPole Home - Switchgear for residential applications
SENSITIVITY TYPE	AC current sensitive
RATED FAULT CURRENT - MAX	0.03 A

RATED FAULT CURRENT - MIN	0.03 A
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	40 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED RESIDUAL MAKING AND BREAKING CAPACITY	500 A
SURGE CURRENT CAPACITY	0.25 kA
WIDTH IN NUMBER OF MODULAR SPACINGS	4
VOLTAGE TYPE	AC
TRIPPING TIME	Non-delayed
RATED SHORT-CIRCUIT STRENGTH	6 kA
RAL-NUMBER	7035
COLOR	Gray

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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