

Specyfikacje



Eaton 183033

Eaton xEffect - XNH circuit protection. NH fuse-switch 3p flange connection M8 max. 95 mm², busbar 60 mm, NH000 & NH00

Zdjęcie jest reprezentatywne



General specifications

PRODUCT NAME	Eaton xEffect XNH device for busbar system
CATALOG NUMBER	183033
EAN	4015081779604
PRODUCT LENGTH/DEPTH	204 mm
PRODUCT HEIGHT	137 mm
PRODUCT WIDTH	106 mm
PRODUCT WEIGHT	0.788 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60947-3
MODEL CODE	XNH00-S160



Powering Business Worldwide

Delivery program

TYPE	Basic device
COLOR	Gray
NUMBER OF POLES	Three-pole

Technical data - electrical

VOLTAGE TEST	Yes, sliding inspection windows
VOLTAGE RATING AT AC	<ul style="list-style-type: none">• 400 V (AC-23B)• 500 V (AC-22B)• 690 V (AC-21B)
VOLTAGE RATING AT DC	<ul style="list-style-type: none">• 250 V DC at DC-22B• 440 V DC at DC-21B
RATED OPERATING VOLTAGE (UE) AT AC - MAX	690 V
RATED INSULATION VOLTAGE (UI)	800 VAC
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	8 kV
RATED UNINTERRUPTED CURRENT (IU)	160 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	120 kA
RATED OPERATION CURRENT (IE)	160 A
RATED OPERATIONAL CURRENT	160 A (AC-22B) 160 A 160 A (AC-23B) 160 A (AC-21B)
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	7 kA
RATED CONDITIONAL SHORT-CIRCUIT RATING	120 kA (500 V) 100 kA (690 V)
CONDITIONED RATED SHORT-CIRCUIT CURRENT IQ	120 kA
FREQUENCY RATING	40 Hz - 60 Hz
FREQUENCY RATING OF CONTACTS	40 Hz - 60 Hz
CREEPAGE RESISTANCE	CTI 600
POWER RATING AT AC-23, 400 V	0 kW
RATED OPERATION POWER AT AC-23, 400 V	0 kW
PERMITTED POWER LOSS PER FUSE LINK - MAX	12 W
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection

OPERATING ALTITUDE WITHOUT DERATING - MAX	2000 mm
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
DIRECTION OF INCOMING SUPPLY	As required (FLEX System)
LIFESPAN, ELECTRICAL	300 operations

Technical data - mechanical

ACTIVATION TYPE	Dependent manual activation
ACTUATOR POSITION	Front side
ACTUATOR TYPE	Cover grip
SIZE	NH000 / NH00 fuse
MOUNTING METHOD	Busbars of 60 mm
MOUNTING POSITION	Vertical or horizontal
MATERIAL	Polyamide
DEGREE OF PROTECTION	IP20 (operating status, XNH installed) IP2XC (contact protection, XNH installed) IP10 (handle cover open, XNH installed)
DEGREE OF PROTECTION (FRONT SIDE)	Other
TERMINAL CAPACITY (COPPER BAND)	9 mm x 0.8 mm (6x) at box terminal
TERMINAL CAPACITY (COPPER BUSBAR)	Max. 25 mm cable lug width at flange connection 20 mm x 10 mm Bolt diameter at flange connection: M8
TERMINAL CAPACITY (COPPER STRIP)	9 mm x 0.8 mm (9x) at box terminal
TERMINAL CAPACITY (STRANDED CABLE)	1.5 mm ² - 95 mm ² at box terminal 1.5 mm ² - 50 mm ² at box terminal 10 mm ² - 70 mm ² at clamp-type terminal
CABLE ENTRY TYPE	Other
LOCKING FACILITY	Yes, optional
SUITABLE FOR FUSES	NH00
LIFESPAN, MECHANICAL	1400 operations

Design verification as per IEC/EN 61439 - technical data

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	160 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	14 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	4.7 W
TOTAL HEAT DISSIPATION WITHOUT FUSES AT ITH	14 W
HEAT DISSIPATION AT 80% WITHOUT FUSES	9 W
AMBIENT OPERATING TEMPERATURE DETAILS	Ambient temperature range: -25 °C - 70 °C
HEAT DEFLECTION TEMPERATURE	125 °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	Is the panel builder's responsibility.
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	Ui = 800 V AC
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

Additional information

FEATURES	Standard sealable Halogen free
FLAMMABILITY CHARACTERISTICS (UL)	Self-extinguishing (UL 94)
SPECIAL FEATURES	<ul style="list-style-type: none"> • Permanent operation (rated operating mode) • Current paths of electrolytic copper, silver-plated • Cable connection optionally at the top or bottom
SUITABLE FOR	Busbar mounting Front mounting

	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-xeffect-xnh-fuse-switch-disconnector-brochure-br019002en-en-us.pdf
CERTYFIKATY	eaton-xeffect-xnh-fuse-switch-disconnector-declaration-of-conformity-en-us.pdf
DEKLARACJE ZGODNOŚCI	eaton-xnh-device-for-mounting-plate-declaration-of-conformity-eu250264en.pdf
INSTRUKCJE MONTAŻU	eaton-xeffect-xnh-fuse-switch-disconnector-installation-leaflet-il0131111z.pdf
MODELE ECAD	ETN.XNH00-S160.edz
MODELE MCAD	eaton-XNH00-S160-drawing.dwg eaton-XNH00-S160-3d-model.stp
RYSUNKI	eaton-circuit-breaker-xeffect-xeffect-xnh-circuit-protection-dimensions-009.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



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