



□□□□□

Eaton 192441

NZMN2-MX140-BT-NA. NZM2 PXR20 circuit breaker, 140A, 3p, box terminal, UL/CSA

□□□□

PRODUCT NAME	Eaton Moeller series NZM molded case circuit breaker electronic
CATALOG NUMBER	192441
PRODUCT LENGTH/DEPTH	149 mm
PRODUCT HEIGHT	195 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	3.074 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	UL508 CSA (File No. 22086) IEC IEC 60947-2 Specially designed for North America CE marking UL listed UL/CSA UL (Category Control Number DIVQ) UL (File No. E31593) UL 489 CSA (Class No. 1432-01) CSA-C22.2 No. 5-09 CSA certified

AMPERAGE RATING	140 A
VOLTAGE RATING	690 V - 690 V
CIRCUIT BREAKER FRAME TYPE	NZM2

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 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

Does not apply, since the entire switchgear needs to

ASSEMBLIES	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:	Thermal protection
MOUNTING METHOD	Fixed Built-in device fixed built-in technique
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	16.17 W
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
RATED INSULATION VOLTAGE (UI)	690 V
RATED OPERATING POWER AT AC-3, 230 V	45 kW
RATED OPERATING POWER AT AC-3, 400 V	75 kW
SWITCH OFF TECHNIQUE	Electronic
DEGREE OF PROTECTION	IP20
DIRECTION OF INCOMING SUPPLY	As required
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Other

NUMBER OF POLES	Three-pole
FUNCTIONS	Phase failure sensitive Current limiting circuit breaker Motor protection
TYPE	Circuit breaker
SPECIAL FEATURES	- Rated current = rated uninterrupted current: 140 A - Switches conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate.
APPLICATION	Branch circuits, feeder circuits
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	140 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	2520 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	280 A
HANDLE TYPE	Rocker lever
INSTANTANEOUS CURRENT SETTING (II) - MAX	2520 A
INSTANTANEOUS CURRENT SETTING (II) - MIN	280 A
OVERLOAD CURRENT SETTING (IR) - MAX	140 A
OVERLOAD CURRENT SETTING (IR) - MIN	56 A
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 400/415 V, 50/60 HZ	50 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 440 V, 50/60 HZ	50 kA
RATED OPERATING VOLTAGE UE (UL) - MAX	480 V
RELEASE SYSTEM	Electronic release

RATED SHORT-CIRCUIT BREAKING CAPACITY ICU (IEC/EN 60947) AT 400/415 V, 50/60 HZ	50 kA
POWER LOSS	16.17 W

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



 Eaton House
30 Pembroke Road
Dublin 4,
Eaton.com

© 2025

Follow us on social media to get the latest product and support information.

