

Specifications



Photo is representative

Eaton 285602

Eaton Moeller series NZM Current transformer for earth-leakage circuit-breaker, inner diameter 105mm

General specifications

PRODUCT NAME	Eaton Moeller series NZM Current transformer
CATALOG NUMBER	285602
MODEL CODE	PFR-W-105
EAN	4015082856021
PRODUCT LENGTH/DEPTH	190 mm
PRODUCT HEIGHT	45 mm
PRODUCT WIDTH	172 mm
PRODUCT WEIGHT	0.402 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC

Delivery programme

FRAME

NZM1/2/3/4

SPECIAL FEATURES

- In combination with PFR residual current relay
- not UL/CSA approved

TYPE

- Accessory
- Earth-fault releases, transformer
- Voltage release

Design verification to IEC/EN 61439

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 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

Does not apply, since the

AGAINST ELECTRIC SHOCK	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.

Technical data - electrical

POWER ON-DELAY TIME - MIN	0 ms
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
VOLTAGE RATING	690 V AC 50/60 Hz
VOLTAGE RATING OF RELAY CONTACT	690 V (50/60 Hz)

Technical data - mechanical

MOUNTING METHOD	Incl. fixing clip for DIN-rail mounting
SPECIAL FEATURES	• In combination with PFR residual current relay • not UL/CSA approved
TRANSFORMER OPENING DIAMETER	105 mm

Resources

BROCHURES	eaton-digital-nzm-brochure-br013003en-en-us.pdf
	eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf
CATALOGUES	eaton-digital-nzm-catalog-ca013003en-en-us.pdf
DRAWINGS	eaton-circuit-breaker-transformer-nzm-dimensions-003.eps
	eaton-circuit-breaker-transformer-nzm-3d-drawing.eps
ECAD MODEL	ETN.PFR-W-105
INSTALLATION VIDEOS	The new digital NZM Range
	Introduction of the new digital circuit breaker NZM
MCAD MODEL	eaton-mccb-rcd-elm-mcad-drawings-pfr-w-105.dwg
	pfr_w_105.stp
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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