Specifications



Photo is representative

Eaton 285603

Eaton Moeller series NZM Current transformer for earth-leakage circuit-breaker, inner diameter 140mm

General specifications	
PRODUCT NAME	Eaton Moeller series NZM Current transformer
CATALOG NUMBER	285603
MODEL CODE	PFR-W-140
EAN	4015082856038
PRODUCT LENGTH/DEPTH	215 mm
PRODUCT HEIGHT	52 mm
PRODUCT WIDTH	235 mm
PRODUCT WEIGHT	0.552 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC

Delivery program

FRAME	NZM1/2/3/4
SPECIAL FEATURES	• In combination with PFR residual current relay • not UL/CSA approved
TYPE	Earth-fault releases, transformer

Design verification as per 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 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.

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	140 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-004.eps eaton-circuit-breaker-transformer-nzm-3d-drawing.eps
ECAD MODEL	DA-CE-ETN.PFR-W-140
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
MCAD MODEL	eaton-mccb-rcd-elm-mcad-drawings-pfr-w-140.dwg DA-CS-pfr_w_140
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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