Specifications



Photo is representative

Eaton 285601

Eaton Moeller series NZM Current transformer for earth-leakage circuit-breaker, inner diameter 70mm

General specifications	
PRODUCT NAME	Eaton Moeller series NZM Current transformer
CATALOG NUMBER	285601
MODEL CODE	PFR-W-70
EAN	4015082856014
PRODUCT LENGTH/DEPTH	125 mm
PRODUCT HEIGHT	45 mm
PRODUCT WIDTH	144 mm
PRODUCT WEIGHT	0.204 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC

Delivery program

FRAME	NZM1/2/3/4
NOMINAL CURRENT	400 A
SPECIAL FEATURES	In combination with PFR residual current relaynot UL/CSA approved
TYPE	AccessoryEarth-fault releases, transformerVoltage release

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

CURRENT RATING OF RELAY CONTACT	5 A
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 relaynot UL/CSA approved
TRANSFORMER OPENING DIAMETER	70 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-dimensions-1230dim-180.eps eaton-circuit-breaker-transformer-nzm-3d-drawing.eps
ECAD MODEL	DA-CE-ETN.PFR-W-70
INSTALLATION VIDEOS	The new digital NZM Range Introduction of the new digital circuit breaker NZM
MCAD MODEL	DA-CS-pfr_w_70 eaton-mccb-rcd-elm-mcad-drawings-pfr-w-70.dwg
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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