

Specifications



Photo is representative



Eaton 189823

Eaton Moeller series NZM Power supply module for NZM3, 24 VDC

General specifications

PRODUCT NAME	Eaton Moeller series NZM electronic accessory
CATALOG NUMBER	189823
MODEL CODE	NZM3-XPS24DC
EAN	4015081878185
PRODUCT LENGTH/DEPTH	50 mm
PRODUCT HEIGHT	22 mm
PRODUCT WIDTH	35 mm
PRODUCT WEIGHT	0.021 kg
COMPLIANCES	UL/CSA IEC RoHS conform

Delivery programme

ACCESSORY/SPARE PART TYPE	Other Power supply module Accessory
FRAME	NZM3
SPECIAL FEATURES	• 24 V DC supply to the electronic trip. • Mechanical pass-through of the switch's status (I, O) for use by the remote operator.
TYPE	Power supply module
USED WITH	NZM3(-4)-VX(MX)...

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

CONTROL VOLTAGE TOLERANCE	+/- 20%
CURRENT CONSUMPTION - MAX	100 mA
VOLTAGE RATING	24 V DC

Technical data - mechanical

CONNECTION TYPE	Screw terminal (supply connection, rated control voltage) With bolt connection With push in terminal
DEGREE OF PROTECTION	Installation in the switch
SPECIAL FEATURES	• 24 V DC supply to the electronic trip. • Mechanical pass-through of the switch's status (I, O) for use by the remote operator.
STRIP LENGTH	5 mm (supply connection)

Technical data - mechanical - terminals

TERMINAL CAPACITY (SOLID CABLE)	0.2 mm ² - 1.5 mm ² (1x) at supply connection
TERMINAL CAPACITY (STRANDED CABLE)	0.2 mm ² - 1.5 mm ² (1x) at supply connection 0.25 mm ² - 0.75 mm ² (1x) at supply connection (uninsulated ferrule according to DIN46224 / 1) 24 - 16 AWG (1x) at supply connection 0.25 mm ² - 0.75 mm ² (1x) at supply connection (insulated ferrule according to DIN46224 / 4)
TIGHTENING TORQUE	≤ 0.25 Nm ≥ 0.22 Nm

Resources

BROCHURES	eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf eaton-digital-nzm-brochure-br013003en-en-us.pdf
CATALOGUES	eaton-digital-nzm-catalog-ca013003en-en-us.pdf
INSTALLATION INSTRUCTIONS	eaton-circuit-breaker-interface-module-nzm-xbsm-il012102zu.pdf
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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