

# Specifications

## Eaton 189758

Eaton Moeller series NZM Undervoltage release for NZM2/3, 48DC, Push-in terminals



Photo is representative



### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller series NZM Undervoltage release
<b>CATALOG NUMBER</b>	189758
<b>MODEL CODE</b>	NZM2/3-XU48DC-PI
<b>EAN</b>	4015081877539
<b>PRODUCT LENGTH/DEPTH</b>	115 mm
<b>PRODUCT HEIGHT</b>	65 mm
<b>PRODUCT WIDTH</b>	75 mm
<b>PRODUCT WEIGHT</b>	0.08 kg
<b>COMPLIANCES</b>	IEC UL/CSA RoHS conform
<b>GLOBAL CATALOG</b>	189758

## Product specifications

<b>USED WITH</b>	NZM2(-4), N(S)2(-4) NZM3(-4), N(S)3(-4)
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF</b>	Does not apply, since the

## Resources

<b>BROCHURES</b>	<a href="#">eaton-digital-nzm-brochure-br013003en-en-us.pdf</a> <a href="#">eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf</a>
<b>CATALOGS</b>	<a href="#">eaton-digital-nzm-catalog-ca013003en-en-us.pdf</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">eaton-circuit-breaker-voltage-release-nzm2-3-il012141zu.pdf</a>
<b>INSTALLATION VIDEOS</b>	<a href="#">The new digital NZM Range</a> <a href="#">Introduction of the new digital circuit breaker NZM</a>
<b>TECHNICAL DATA SHEETS</b>	<a href="#">eaton-nzm-technical-information-sheet</a>
<b>WIRING DIAGRAMS</b>	<a href="#">eaton-circuit-breaker-symbol-nzm-mccb-wiring-diagram.eps</a>

<b>PROTECTION OF ASSEMBLIES</b>	entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>ELECTRIC CONNECTION TYPE</b>	Screw connection
<b>FRAME</b>	NZM2/3
<b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>	0
<b>RATED CONTROL SUPPLY VOLTAGE</b>	48 V DC
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	0 V
<b>SUITABLE FOR</b>	Off-load switch Motor safety switch
<b>CONNECTION TYPE</b>	With push in terminal
<b>VOLTAGE TYPE</b>	AC
<b>TYPE</b>	Accessory Undervoltage

release
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SPECIAL FEATURES

- Non-delayed disconnection of NZM circuit-breaker or N switch-disconnector when the control voltage sinks below 35 – 70% US.
- For use with emergency-stop devices in connection with an emergency-stop button.
- When the under-voltage trip is switched off, accidental contact with the circuit breaker’s primary contacts is prevented when switched on.
- Undervoltage release modules cannot be installed simultaneously with early-make contact NZM...-XHIV, shunt release NZM...-XA... or relais modules NZM...-X2A...

RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	48 V
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
UNDELAYED SHORT-CIRCUIT RELEASE - MIN	0 A
UNDELAYED SHORT-CIRCUIT RELEASE - MAX	0 A

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



**Eaton Corporation plc**  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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