

# Specifications



Photo is representative

## Eaton 259842

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 220-250VAC, for size 2

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller series NZM remote operator
<b>CATALOG NUMBER</b>	259842
<b>MODEL CODE</b>	NZM2-XR220-250DC
<b>EAN</b>	4015082598426
<b>PRODUCT LENGTH/DEPTH</b>	150 mm
<b>PRODUCT HEIGHT</b>	105 mm
<b>PRODUCT WIDTH</b>	105 mm
<b>PRODUCT WEIGHT</b>	1.728 kg
<b>COMPLIANCES</b>	IEC UL/CSA RoHS conform
<b>CERTIFICATIONS</b>	CSA (Class No. 1437-01) IEC60947 CSA certified UL (File No. E140305) CE marking CSA-C22.2 No. 5-09 UL (Category Control Number DIHS) UL listed CSA (File No. 22086) UL489
<b>GLOBAL CATALOG</b>	259842

## Product specifications

<b>USED WITH</b>	N(S)2(-4) NZM2(-4)
<b>VOLTAGE RATING</b>	220 - 250 V DC
<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.

## 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>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-accessories-declaration-of-conformity-eu250143en.pdf</a>
<b>DRAWINGS</b>	<a href="#">eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps</a> <a href="#">eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions-002.eps</a> <a href="#">eaton-circuit-breaker-remote-operator-nzm-remote-operator-3d-drawing.eps</a>
<b>ECAD MODEL</b>	<a href="#">ETN.259842.edz</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">eaton-circuit-breakers-remote-operator-nzm2-xr-il01206002z.pdf</a>
<b>INSTALLATION VIDEOS</b>	<a href="#">Introduction of the new digital circuit breaker NZM</a> <a href="#">The new digital NZM Range</a>
<b>MCAD MODEL</b>	<a href="#">DA-CS-nzm2_xr</a> <a href="#">DA-CD-nzm2_xr</a>
<b>TECHNICAL DATA SHEETS</b>	<a href="#">eaton-nzm-technical-information-sheet</a>

<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the 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>FRAME</b>	NZM2
<b>BREAKING TIME</b>	300 ms
<b>CLOSING DELAY</b>	60 ms
<b>VOLTAGE TYPE</b>	DC
<b>LIFESPAN, MECHANICAL</b>	20000 operations
<b>NUMBER OF POLES</b>	Three-pole/Four-pole
<b>NUMBER OF OPERATIONS PER HOUR - MAX</b>	120
<b>VOLTAGE TOLERANCE - MAX</b>	1.1
<b>VOLTAGE TOLERANCE - MIN</b>	.85
<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</b>	0 V

<b>HZ - MIN</b>	
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>	250 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	220 V
<b>SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH OFF - MIN</b>	150 ms
<b>SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH ON - MIN</b>	30 ms
<b>SWITCH DRIVE TYPE</b>	Motor drive
<b>TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)</b>	0.75 mm <sup>2</sup> - 2.5 mm <sup>2</sup> with ferrule 18 - 14 AWG
<b>TYPE</b>	Accessory Remote operator, can be synchronized
<b>SPECIAL FEATURES</b>	Cannot be combined with switch-disconnector PN... Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD
<b>OPERATING VOLTAGE - MAX</b>	1.1 x Us
<b>OPERATING VOLTAGE - MIN</b>	0.85 x Us
<b>POWER CONSUMPTION</b>	250 W (24 - 30 V DC)

<b>PROJECT NAME:</b>
<b>PROJECT NUMBER:</b>
<b>PREPARED BY:</b>
<b>DATE:</b>



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

Follow us on social media to get the latest product and support information.

