

## Eaton 115393

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 24-30VDC, standard

<b>PRODUCT NAME</b>	Eaton Moeller series NZM remote operator
<b>CATALOG NUMBER</b>	115393
<b>PRODUCT LENGTH/DEPTH</b>	150 mm
<b>PRODUCT HEIGHT</b>	105 mm
<b>PRODUCT WIDTH</b>	105 mm
<b>PRODUCT WEIGHT</b>	1.25 kg
<b>COMPLIANCES</b>	IEC UL/CSA RoHS conform
<b>CERTIFICATIONS</b>	UL (File No. E140305) CE marking UL listed CSA-C22.2 No. 5-09 CSA (Class No. 1437-01) UL489 CSA (File No. 22086) IEC60947 UL (Category Control Number DIHS) CSA certified

<b>USED WITH</b>	NZM2(-4) N(S)2(-4)
<b>VOLTAGE RATING</b>	24 - 30 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.

<a href="#">eaton-remote-operation-directly-nzm2-xrd-il01219025z.pdf</a>	
<a href="#">eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions.eps</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>	110 ms - 170 ms
<b>CLOSING DELAY</b>	110 ms - 170 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>	30 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	24 V
<b>SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH OFF - MIN</b>	100 ms
<b>SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH ON - MIN</b>	100 ms
<b>SWITCH DRIVE TYPE</b>	Motor drive
<b>TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)</b>	18 - 14 AWG 0.75 mm <sup>2</sup> - 2.5 mm <sup>2</sup> with ferrule
<b>TYPE</b>	<ul style="list-style-type: none"> <li>• Accessory</li> <li>• Remote operator, standard</li> </ul>
<b>SPECIAL FEATURES</b>	<ul style="list-style-type: none"> <li>• Sliding switch for "Auto" or "Manual"</li> <li>• Max. number auxiliary contacts: 2 standard auxiliary contacts, 1 trip-indicating auxiliary switches</li> <li>• Cannot be combined with switch-disconnector PN...</li> <li>• Cannot be combined with mechanical interlock</li> <li>• Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD</li> </ul>
<b>OPERATING VOLTAGE - MAX</b>	1.1 x Us
<b>OPERATING VOLTAGE - MIN</b>	0.85 x Us
<b>POWER CONSUMPTION</b>	450 W (24 - 30 V DC)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:



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