Specifications



Photo is representative

Eaton 259838

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 48-60VDC, for size 2

General specifications		
PRODUCT NAME	Eaton Moeller series NZM remote operator	
CATALOG NUMBER	259838	
MODEL CODE	NZM2-XR48-60DC	
EAN	4015082598389	
PRODUCT LENGTH/DEPTH	150 mm	
PRODUCT HEIGHT	105 mm	
PRODUCT WIDTH	105 mm	
PRODUCT WEIGHT	1.728 kg	
COMPLIANCES	UL/CSA IEC RoHS conform	
CERTIFICATIONS	UL (File No. E140305) IEC60947 CSA (Class No. 1437-01) CE marking UL listed CSA certified UL489 CSA-C22.2 No. 5-09 CSA (File No. 22086) UL (Category Control Number DIHS)	
GLOBAL CATALOG	259838	



Product specifications		
USED WITH	NZM2(-4) N(S)2(-4)	
VOLTAGE RATING	48 - 60 V DC	
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.	

Resources	
BROCHURES	eaton-digital-nzm- brochure-br013003en-en- us.pdf eaton-feerum-the-whole-
	grain-solution-success- story-en-us.pdf
CATALOGS	eaton-digital-nzm-catalog- ca013003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessories- declaration-of-conformity- eu250143en.pdf
DRAWINGS	eaton-circuit-breaker- padlock-nzm-rotary- handle-dimensions.eps
	eaton-circuit-breaker- remote-operator-nzm- remote-operator- dimensions-002.eps
	eaton-circuit-breaker- remote-operator-nzm- remote-operator-3d- drawing.eps
ECAD MODEL	ETN.259838.edz
INSTALLATION INSTRUCTIONS	eaton-circuit-breakers- remote-operator-nzm2-xr- il01206002z.pdf
INSTALLATION VIDEOS	The new digital NZM Range
	Introduction of the new digital circuit breaker NZM
MCAD MODEL	DA-CD-nzm2 xr
TECHNICAL DATA SHEETS	DA-CS-nzm2_xr eaton-nzm-technical- information-sheet

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	ls the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
FRAME	NZM2
BREAKING TIME	300 ms
BREAKING TIME CLOSING DELAY	300 ms 60 ms
CLOSING DELAY	60 ms
CLOSING DELAY VOLTAGE TYPE	60 ms AC
CLOSING DELAY VOLTAGE TYPE LIFESPAN, MECHANICAL	60 ms AC 20000 operations
CLOSING DELAY VOLTAGE TYPE LIFESPAN, MECHANICAL NUMBER OF POLES NUMBER OF OPERATIONS PER HOUR -	60 ms AC 20000 operations Three-pole/Four-pole
CLOSING DELAY VOLTAGE TYPE LIFESPAN, MECHANICAL NUMBER OF POLES NUMBER OF OPERATIONS PER HOUR - MAX VOLTAGE TOLERANCE -	60 ms AC 20000 operations Three-pole/Four-pole 120
CLOSING DELAY VOLTAGE TYPE LIFESPAN, MECHANICAL NUMBER OF POLES NUMBER OF OPERATIONS PER HOUR - MAX VOLTAGE TOLERANCE - MAX VOLTAGE TOLERANCE -	60 ms AC 20000 operations Three-pole/Four-pole 120 1.1
CLOSING DELAY VOLTAGE TYPE LIFESPAN, MECHANICAL NUMBER OF POLES NUMBER OF OPERATIONS PER HOUR - MAX VOLTAGE TOLERANCE - MIN RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50	60 ms AC 20000 operations Three-pole/Four-pole 120 1.1 .85
CLOSING DELAY VOLTAGE TYPE LIFESPAN, MECHANICAL NUMBER OF POLES NUMBER OF OPERATIONS PER HOUR - MAX VOLTAGE TOLERANCE - MIN RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50	60 ms AC 20000 operations Three-pole/Four-pole 120 1.1 .85

HZ - MIN	
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	60 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	48 V
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH OFF - MIN	150 ms
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH ON - MIN	30 ms
SWITCH DRIVE TYPE	Motor drive
TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)	0.75 mm ² - 2.5 mm ² with ferrule 18 - 14 AWG
ТҮРЕ	Accessory Remote operator, can be synchronized
SPECIAL FEATURES	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
OPERATING VOLTAGE - MAX	1.1 x Us
OPERATING VOLTAGE - MIN	0.85 x Us
POWER CONSUMPTION	250 W (24 - 30 V DC)

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



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