

Especificaciones



Eaton 107849

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 90A, box terminals, N2-SE90-BT-CNA

Especificaciones generales

PRODUCT NAME	Eaton Moeller series NZM molded case circuit breaker electronic
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CATALOG NUMBER	107849
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EAN	4015081074990
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PRODUCT LENGTH/DEPTH	149 mm
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PRODUCT HEIGHT	195 mm
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PRODUCT WIDTH	105 mm
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PRODUCT WEIGHT	2.345 kg
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COMPLIANCES	RoHS conform
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CERTIFICATIONS

CSA-C22.2 No. 5-09
IEC/EN 60947
UL listed
UL (Category Control Number DKPU2)
UL 489
CSA (File No. 22086)
Specially designed for North America
CSA (Class No. 1432-01)
IEC 60947-2
UL/CSA
UL (File No. E31593)
CSA certified
CE marking
IEC

MODEL CODE	NZMN2-SE90-BT-CNA
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Datos técnicos - eléctricos

VOLTAGE RATING	690 V - 690 V
RATED OPERATING VOLTAGE UE (UL) - MAX	480 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT AUXILIARY CONTACTS	6000 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT MAIN CONTACTS	8000 V
RATED OPERATIONAL CURRENT	90 A (660-690 V AC-3, making and breaking capacity) 300 A (380/400 V AC-1, making and breaking capacity) 300 A (690 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)
RATED SHORT-TIME WITHSTAND CURRENT (T = 0.3 S)	1.9 kA
RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S)	1.9 kA
AMPERAGE RATING	90 A
INSTANTANEOUS CURRENT SETTING (II) - MIN	180 A
INSTANTANEOUS CURRENT SETTING (II) - MAX	1260 A
OVERLOAD CURRENT SETTING (IR) - MIN	0 A
OVERLOAD CURRENT SETTING (IR) - MAX	0 A
SHORT DELAY CURRENT SETTING (ISD) - MIN	0 A
SHORT DELAY CURRENT SETTING (ISD) - MAX	0 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	180 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	1260 A

Datos técnicos - comunicación

RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT AUXILIARY CONTACTS	6000 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT MAIN CONTACTS	8000 V
RATED OPERATIONAL CURRENT	90 A (660-690 V AC-3, making and breaking capacity) 300 A (380/400 V AC-1, making and breaking capacity) 300 A (690 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)
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SHORT DELAY CURRENT SETTING (ISD) - MAX	0 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	180 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	1260 A
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 230 V,	85 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 230 V, 50/60 HZ	85 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 400/415 V, 50/60 HZ	50 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 440 V, 50/60 HZ	35 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 525 V, 50/60 HZ	25 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 690 V, 50/60 HZ	5 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 240 V, 50/60 HZ	187 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 400/415 V, 50/60 HZ	105 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 440 V, 50/60 HZ	74 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ	53 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ	40 kA
SHORT-CIRCUIT TOTAL BREAKTIME	< 10 ms
LOW-VOLTAGE HBC FUSE - MAX	355 A gG/gL
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Frame clamp
ISOLATION	300 V AC (between the auxiliary contacts) 500 V AC (between auxiliary contacts and main contacts)
NUMBER OF OPERATIONS PER HOUR - MAX	120

50/60 HZ	
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 400/415 V, 50/60 HZ	50 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 440 V, 50/60 HZ	35 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 525 V, 50/60 HZ	25 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 690 V, 50/60 HZ	5 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 240 V, 50/60 HZ	187 kA
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SHORT-CIRCUIT TOTAL BREAKTIME	< 10 ms
LOW-VOLTAGE HBC FUSE - MAX	355 A gG/gL
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Frame clamp
ISOLATION	300 V AC (between the auxiliary contacts) 500 V AC (between auxiliary contacts and main contacts)
NUMBER OF OPERATIONS PER HOUR - MAX	120
HANDLE TYPE	Rocker lever
UTILIZATION CATEGORY	A (IEC/EN 60947-2)

HANDLE TYPE	Rocker lever
UTILIZATION CATEGORY	A (IEC/EN 60947-2)
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
LIFESPAN, ELECTRICAL	6500 operations at 415 V AC-3 7500 operations at 690 V AC-1 6500 operations at 400 V AC-3 10000 operations at 400 V AC-1 5000 operations at 690 V AC-3
DIRECTION OF INCOMING SUPPLY	As required

OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
LIFESPAN, ELECTRICAL	6500 operations at 415 V AC-3 7500 operations at 690 V AC-1 6500 operations at 400 V AC-3 10000 operations at 400 V AC-1 5000 operations at 690 V AC-3
DIRECTION OF INCOMING SUPPLY	As required

Datos técnicos - mecánicos

MOUNTING METHOD	DIN rail (top hat rail) mounting optional Built-in device fixed built-in technique Fixed
DEGREE OF PROTECTION	IP20 (basic degree of protection, in the operating controls area) IP20
DEGREE OF PROTECTION (IP), FRONT SIDE	IP40 (with insulating surround) IP66 (with door coupling rotary handle)
DEGREE OF PROTECTION (TERMINATIONS)	IP10 (tunnel terminal) IP00 (terminations, phase isolator and strip terminal)
PROTECTION AGAINST DIRECT CONTACT	Finger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110
SHOCK RESISTANCE	20 g (half-sinusoidal shock 20 ms)
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Front side
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
LIFESPAN, MECHANICAL	20000 operations

Recursos

CHARACTERISTIC CURVE	eaton-circuit-breaker-characteristic-power-defense-mccb-characteristic-curve-036.eps eaton-circuit-breaker-let-through-current-nzm-mccb-characteristic-curve-004.eps
DECLARATIONS OF CONFORMITY	eaton-molded-case-circuit-breaker-declaration-of-conformity-eu250291en.pdf
DIBUJOS	eaton-circuit-breaker-nzm-mccb-dimensions-019.eps
INSTRUCCIONES DE MONTAJE	eaton-circuit-breakers-basic-device-nzm2-il01206006z.pdf
MCAD MODEL	DA-CD-nzm2_3p DA-CS-nzm2_3p

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

FECHA:



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