

Especificaciones



La foto es representativa

Eaton 107594

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 175A, box terminals, N2-VEF175-BT-NA

Especificaciones generales

PRODUCT NAME	Eaton Moeller series NZM molded case circuit breaker electronic
CATALOG NUMBER	107594
EAN	4015081072743
PRODUCT LENGTH/DEPTH	149 mm
PRODUCT HEIGHT	195 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	2.345 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	CSA (File No. 22086) IEC CSA (Class No. 1432-01) UL (Category Control Number DIVQ) CSA certified IEC/EN 60947 Specially designed for North America UL listed IEC 60947-2 CSA-C22.2 No. 5-09 UL/CSA UL (File No. E31593) UL 489 CE marking
MODEL CODE	NZMN2-VEF175-BT-NA



Powering Business Worldwide

Datos técnicos - eléctricos

VOLTAGE RATING	690 V - 690 V
RATED OPERATING VOLTAGE UE (UL) - MAX	600Y/347 V, 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	175 A (690 V AC -1, making and breaking capacity) 300 A (380/400 V AC-1, making and breaking capacity) 175 A (660-690 V AC-3, 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	175 A
INSTANTANEOUS CURRENT SETTING (II) - MIN	2100 A
INSTANTANEOUS CURRENT SETTING (II) - MAX	2100 A
OVERLOAD CURRENT SETTING (IR) - MIN	175 A
OVERLOAD CURRENT SETTING (IR) - MAX	175 A
SHORT DELAY CURRENT SETTING (ISD) - MIN	350 A
SHORT DELAY CURRENT SETTING (ISD) - MAX	1750 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MIN	350 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MAX	1750 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING -	2100 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	175 A (690 V AC -1, making and breaking capacity) 300 A (380/400 V AC-1, making and breaking capacity) 175 A (660-690 V AC-3, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)
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OVERLOAD CURRENT SETTING (IR) - MAX	175 A
SHORT DELAY CURRENT SETTING (ISD) - MIN	350 A
SHORT DELAY CURRENT SETTING (ISD) - MAX	1750 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MIN	350 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MAX	1750 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	2100 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING -	2100 A

MIN	
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	2100 A
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	500 V AC (between auxiliary contacts and main contacts) 300 V AC (between the

MAX	
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
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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	500 V AC (between auxiliary contacts and main contacts) 300 V AC (between the auxiliary contacts)
NUMBER OF	120

	auxiliary contacts)
NUMBER OF OPERATIONS PER HOUR - MAX	120
HANDLE TYPE	Rocker lever
UTILIZATION CATEGORY	A (IEC/EN 60947-2)
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
LIFESPAN, ELECTRICAL	10000 operations at 400 V AC-1 7500 operations at 690 V AC-1 5000 operations at 690 V AC-3 6500 operations at 400 V AC-3 6500 operations at 415 V AC-3
DIRECTION OF INCOMING SUPPLY	As required

OPERATIONS PER HOUR - MAX	
HANDLE TYPE	Rocker lever
UTILIZATION CATEGORY	A (IEC/EN 60947-2)
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
LIFESPAN, ELECTRICAL	10000 operations at 400 V AC-1 7500 operations at 690 V AC-1 5000 operations at 690 V AC-3 6500 operations at 400 V AC-3 6500 operations at 415 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 IP20 (basic degree of protection, in the operating controls area)
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-nzm-mccb-characteristic-curve-054.eps eaton-circuit-breaker-current-nzm-mccb-characteristic-curve-006.eps eaton-circuit-breaker-nzm-mccb-characteristic-curve-043.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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