Specifications



Photo is representative





Eaton 102691

Eaton Moeller series NZM - Molded Case Circuit Breaker. Molded Case Switch, 3p, 1200A

General specification	ns.
·	Eaton Moeller series NZM
PRODUCT NAME	molded case switch
CATALOG NUMBER	102691
MODEL CODE	NS4-1200-NA
EAN	4015081025510
PRODUCT LENGTH/DEPTH	401 mm
PRODUCT HEIGHT	207 mm
PRODUCT WIDTH	210 mm
PRODUCT WEIGHT	21 kg
COMPLIANCES	RoHS conform
	Specially designed for
	North America
	CSA (File No. 22086) CSA-C22.2 No. 5-09
	UL (File No. E148671)
	UL listed
	IEC 60947-2
CERTIFICATIONS	CE marking
	UL 489
	IEC
	CSA (Class No. 4652-06)
	UL/CSA
	UL (Category Control
	Number WJAZ)
	CSA certified



Product specifications	
AMPERAGE RATING	1200 A
VOLTAGE RATING	690 V - 690 V
CIRCUIT BREAKER FRAME TYPE	N4
FEATURES	Protection unit Motor drive optional
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

Resources	
BROCHURES	eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf eaton-digital-nzm-brochure-br013003en-en-us.pdf
CATALOGUES	eaton-digital-nzm-catalog- ca013003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-molded-case- switch-declaration-of- conformity- eu250136en.pdf
DRAWINGS	eaton-circuit-breaker-nzm-mccb-dimensions-022.eps
	eaton-circuit-breaker- switch-nzm-mccb-3d- drawing-003.eps
ECAD MODEL	DA-CE-ETN.NS4-1200-NA
INSTALLATION INSTRUCTIONS	eaton-circuit-breaker- basic-unit-bg4- il012101zu.pdf
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
MCAD MODEL	
	DA-CD-nzm4_3p DA-CS-nzm4_3p
TECHNICAL DATA SHEETS	eaton-nzm-technical- information-sheet

	be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
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	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
POLLUTION DEGREE	3
MOUNTING METHOD	Built-in device fixed built-in technique Fixed DIN rail (top hat rail) mounting optional
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT	159.84 W
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
RATED CURRENT (IU)	1200 A
CURRENT RATING (IU) (UL 489 CSA 22.2 NO. 5.1)	1200 A

NUMBER OF AUXILIARY CONTACTS (CHANGE- OVER CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) SWITCH POSITIONS I, +, 0 IP20 In the area of the HMI devices: IP20 (basic protection type) DIRECTION OF INCOMING SUPPLY ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT LIFESPAN, MECHANICAL OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (IP), FRONT SIDE IP66 (with door coupling rotary handle) IP40 (with insulating surround) IP00 (terminations, phase isolator and band terminal) INUMBER OF POLES Three-pole Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear- side connection (punched) Max. 10 segments of 80 mm x 1 mm (2x) at rear- side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear- side connection (punched) NA: same as for IEC LIFESPAN, ELECTRICAL LIFESPAN, ELECTRICAL LIFESPAN, ELECTRICAL		
CONTACTS (NORMALLY CLOSED CONTACTS) NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) SWITCH POSITIONS DEGREE OF PROTECTION DIRECTION OF INCOMING SUPPLY ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT LIFESPAN, MECHANICAL OVERVOLTAGE CATEGORY DEGREE OF PROTECTION (IP), FRONT SIDE DEGREE OF PROTECTION (TERMINATIONS) NUMBER OF POLES Three-pole Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-	CONTACTS (CHANGE-	0
CONTACTS (NORMALLY OPEN CONTACTS) SWITCH POSITIONS I, +, 0 IP20 In the area of the HMI devices: IP20 (basic protection type) DIRECTION OF INCOMING SUPPLY ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT LIFESPAN, MECHANICAL 10000 operations OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (IP), FRONT SIDE IP66 (with door coupling rotary handle) IP40 (with insulating surround) IP10 (tunnel terminal) IP00 (terminations, phase isolator and band terminal) NUMBER OF POLES Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at r	CONTACTS (NORMALLY	0
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DEGREE OF PROTECTION In the area of the HMI devices: IP20 (basic protection type) DIRECTION OF INCOMING SUPPLY ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT LIFESPAN, MECHANICAL 10000 operations OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (IP), FRONT SIDE IP40 (with insulating surround) DEGREE OF PROTECTION (TERMINATIONS) NUMBER OF POLES IP100 (tunnel terminal) IP100 (terminations, phase isolator and band terminal) NUMBER OF POLES Three-pole Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension NA: same as for IEC LIFESPAN. ELECTRICAL	SWITCH POSITIONS	I, +, 0
INCOMING SUPPLY ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT LIFESPAN, MECHANICAL OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (IP), FRONT SIDE DEGREE OF PROTECTION (TERMINATIONS) IP10 (tunnel terminal) IP00 (terminations, phase isolator and band terminal) IP00 (terminations, phase isolator and band terminal) INUMBER OF POLES Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension NA: same as for IEC LIFESPAN ELECTRICAL	DEGREE OF PROTECTION	In the area of the HMI devices: IP20 (basic
CONNECTION TYPE OF MAIN CIRCUIT LIFESPAN, MECHANICAL OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (IP), FRONT SIDE DEGREE OF PROTECTION (TERMINATIONS) NUMBER OF POLES IP10 (tunnel terminal) IP00 (terminations, phase isolator and band terminal) IP00 (terminations, phase isolator and band terminal) NUMBER OF POLES Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension NA: same as for IEC		As required
OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION (IP), FRONT SIDE DEGREE OF PROTECTION (TERMINATIONS) NUMBER OF POLES Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension NA: same as for IEC LIFESPAN. ELECTRICAL	CONNECTION TYPE OF	Screw connection
DEGREE OF PROTECTION (IP), FRONT SIDE DEGREE OF PROTECTION (TERMINATIONS) NUMBER OF POLES Three-pole Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension NA: same as for IEC	LIFESPAN, MECHANICAL	10000 operations
TERMINAL CAPACITY (COPPER STRIP) TO SEGMENTS OF 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 90 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 90 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 90 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 90 mm x		Ш
TERMINATIONS) IP00 (terminations, phase isolator and band terminal) NUMBER OF POLES Three-pole Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension NA: same as for IEC 2000 operations at 415 V		rotary handle) IP40 (with insulating
Min. 6 segments of 16 mm x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension NA: same as for IEC		IP00 (terminations, phase
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LIFESPAN, ELECTRICAL		x 0.8 mm at flat conductor terminal Max. 10 segments of 32 mm x 1 mm (2x) at flat conductor terminal 10 segments of 50 mm x 1 mm (2x) at 1-hole module plate Min. 10 segments of 50 mm x 1 mm (2x) at rear-side connection (punched) Max. 10 segments of 50 mm x 1 mm (2x) at rear- side connection (punched) 10 segments of 80 mm x 1 mm (2x) at rear-side width extension
	LIFESPAN, ELECTRICAL	•

	1000 operations at 690 V AC-3 2000 operations at 400 V AC-3 3000 operations at 400 V AC-1 2000 operations at 415 V AC-3 2000 operations at 690 V AC-1
FUNCTIONS	Disconnectors/main switches
ТҮРЕ	Switch-disconnector
SPECIAL FEATURES	 IEC/EN 60947-2: circuit breakers without overcurrent (CBI-X) with main switch characteristics and isolating characteristics to IEC/EN 60204. Rated current = rated uninterrupted current: 1200 A
APPLICATION	Branch circuits, feeder circuits
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Front side
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1200 A
SHORT-CIRCUIT TOTAL BREAKTIME	< 25 ms (415 V); < 35 ms (> 415 V)
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	25000 A
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	25000 A
TERMINAL CAPACITY (COPPER BUSBAR)	M10 at rear-side screw connection Min. 25 mm x 5 mm direct at switch rear-side connection Max. 50 mm x 10 mm (2x) direct at switch rear-side connection Min. 25 mm x 5 mm at rear-side 1-hole module

plate
Max. 50 mm x 10 mm (2x)
at rear-side 1-hole module
plate
50 mm x 10 mm (2x) at
rear-side 2-hole module
plate
Min. 60 mm x 10 mm at
rear-side width extension
Max. 80 mm x 10 mm (2x)
at rear-side width
extension
NA: same as for IEC

50 mm² - 240 mm² (4x) at 4hole tunnel terminal 120 mm² - 185 mm² (1x) direct at switch rear-side connection 50 mm² - 185 mm² (4x) direct at switch rear-side connection Min. 120 mm² - 300 mm² (1x) at rear-side 1-hole module plate Max. 95 mm² - 300 mm² (2x) at rear-side 1-hole module plate Min. 95 mm² - 185 mm² (2x) at rear-side 2-hole module plate Max. 35 mm² - 185 mm² (4x) at rear-side 2-hole

TERMINAL CAPACITY (COPPER STRANDED CONDUCTOR/CABLE)

module plate 300 mm² (4x) at rear-side width extension 95 mm² - 240 mm² (6x) at rear-side width extension NA: AWG 0- kcmil 500 (4x) at 4-hole tunnel terminal NA: kcmil 250 - kcmil 350 (1x) direct at switch rearside connection NA: AWG 0 - kcmil 350 (4x) direct at switch rear-side connection NA: min. kcmil 250 - kcmil 600 (1x) at rear-side 1-hole module plate NA: max. AWG 3/0 - kcmil 600 (2x) at rear-side 1-hole module plate NA: min. AWG 3/0 - kcmil 350 (2x) at rear-side 2-hole module plate NA: max. AWG 2 - kcmil 350 (4x) at rear-side 2-hole

	module plate NA: kcmil 600 (4x) at rearside width extension NA: AWG 3/0 - kcmil 500 (6x) at rear-side width extension
TERMINAL CAPACITY (ALUMINUM STRANDED CONDUCTOR/CABLE)	Min. 185 mm² - 240 mm² (1x) at rear-side 1-hole module plate Max. 70 mm² - 185 mm² (2x) at rear-side 1-hole module plate 50 mm² (4x) at rear-side 2-hole module plate 240 mm² (2x) at rear-side width extension 70 mm² - 240 mm² (6x) at rear-side width extension NA: aluminum conductor not applicable
HANDLE TYPE	Rocker lever
SHORT DELAY CURRENT SETTING (ISD) - MAX	0 A
SHORT DELAY CURRENT SETTING (ISD) - MIN	0 A
INSTANTANEOUS CURRENT SETTING (II) - MAX	25000 A
INSTANTANEOUS CURRENT SETTING (II) - MIN	25000 A
NUMBER OF OPERATIONS PER HOUR - MAX	60
OVERLOAD CURRENT SETTING (IR) - MAX	0 A
OVERLOAD CURRENT SETTING (IR) - MIN	0 A
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 230 V, 50/60 HZ	43 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 400/415 V, 50/60 HZ	35 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 440 V, 50/60 HZ	33 kA
RATED SHORT-CIRCUIT	20 kA

BREAKING CAPACITY ICS (IEC/EN 60947) AT 525 V, 50/60 HZ	
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 690 V, 50/60 HZ	18 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 400/415 V, 50/60 HZ	154 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 440 V, 50/60 HZ	143 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ	84 kA
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ	74 kA
STANDARD TERMINALS	Screw connection,Optional:Tunnel terminal,Rear-side connection,Strip connection
OPTIONAL TERMINALS	Connection on rear. Strip terminal. Tunnel terminal
RATED OPERATING VOLTAGE UE (UL) - MAX	600 V
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 240 V, 50/60 HZ	187 kA
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT AUXILIARY CONTACTS	6000 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT MAIN CONTACTS	8000 V
RATED INSULATION VOLTAGE (UI)	1000 V AC

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



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