# Specifications



#### Photo is representative





### Eaton 102690

Eaton Moeller series NZM - Molded Case Circuit Breaker. Molded Case Switch, 3p, 1000A

General specification	S
PRODUCT NAME	Eaton Moeller series NZM molded case switch
CATALOG NUMBER	102690
MODEL CODE	NS4-1000-NA
EAN	4015081025503
PRODUCT LENGTH/DEPTH	401 mm
PRODUCT HEIGHT	207 mm
PRODUCT WIDTH	210 mm
PRODUCT WEIGHT	21 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	CSA-C22.2 No. 5-09 CSA (Class No. 4652-06) Specially designed for North America CSA (File No. 22086) UL (File No. E148671) IEC CSA certified IEC 60947-2 UL 489 CE marking UL (Category Control Number WJAZ) UL listed UL/CSA



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Product specification		Re
AMPERAGE RATING	1000 A	
VOLTAGE RATING	690 V - 690 V	
CIRCUIT BREAKER FRAME TYPE	N4	BRO
FEATURES	Motor drive optional Protection unit	
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.	DEC COI
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.	DR/
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.	ECA INS INS
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	INS
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.	МС
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.	TEC
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
1	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.NS4-1000-NA
	INSTALLATION INSTRUCTIONS	eaton-circuit-breaker- basic-unit-bg4- il012101zu.pdf
the	INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM  The new digital NZM Range
S.	MCAD MODEL	DA-CS-nzm4_3p  DA-CD-nzm4_3p
S.	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	ls 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	111 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 CONTACTS (NORMALLY OPEN CONTACTS)  SWITCH POSITIONS  DIRECTION OF INCOMING SUPPLY  ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT  LIFESPAN, MECHANICAL  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 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 80 mm x 1 mm (2x) at rear-side width extension 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 1-hole module plate with 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 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 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 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 width extension NA: same as for IEC	CONTACTS (CHANGE-	0
CONTACTS (NORMALLY OPEN CONTACTS)  SWITCH POSITIONS  I, +, 0  In the area of the HMI devices: IP20 (basic protection type) IP20  DIRECTION OF INCOMING SUPPLY  ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT  LIFESPAN, MECHANICAL 10000 operations  OVERVOLTAGE CATEGORY  III  DEGREE OF PROTECTION (IP), FRONT SIDE  DEGREE OF PROTECTION (TERMINATIONS)  IP40 (with insulating surround) IP66 (with door coupling rotary handle)  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 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 rear-side connection (punched) 1	CONTACTS (NORMALLY	0
DEGREE OF PROTECTION  DIRECTION OF INCOMING SUPPLY  ELECTRICAL  CONNECTION TYPE OF MAIN CIRCUIT  LIFESPAN, MECHANICAL  DEGREE OF PROTECTION (IP), FRONT SIDE  DEGREE OF PROTECTION (TERMINATIONS)  DEGREE 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) 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 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 segmen	CONTACTS (NORMALLY	0
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 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) 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 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)  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 width extension NA: same as for IEC  LIFESPAN ELECTRICAL	DEGREE OF PROTECTION	devices: IP20 (basic protection type)
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)  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 width extension  NA: same as for IEC		As required
OVERVOLTAGE CATEGORY  IP40 (with insulating surround) IP66 (with door coupling rotary handle)  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 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
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 width extension NA: same as for IEC  2000 operations at 400 V		III
TERMINAL CAPACITY (COPPER STRIP)  TIPO0 (terminations, phase isolator and band terminal)  Min. 6 segments of 16 mm x 1 mm (2x) at flat conductor terminal  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  2000 operations at 400 V		surround) IP66 (with door coupling
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) 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		IP00 (terminations, phase
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	NUMBER OF POLES	Three-pole
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	•

	2000 operations at 415 V AC-1 3000 operations at 400 V AC-1 1000 operations at 690 V AC-3 2000 operations at 415 V AC-3 2000 operations at 690 V AC-1
FUNCTIONS	Disconnectors/main switches
ТҮРЕ	Switch-disconnector
SPECIAL FEATURES	<ul> <li>IEC/EN 60947-2:         circuit breakers         without overcurrent         (CBI-X) with main         switch         characteristics and         isolating         characteristics to         IEC/EN 60204.</li> <li>Rated current =         rated uninterrupted         current: 1000 A</li> </ul>
APPLICATION	Branch circuits, feeder circuits
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Front side
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1000 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 mm<sup>2</sup> - 240 mm<sup>2</sup> (4x) at 4hole tunnel terminal 120 mm<sup>2</sup> - 185 mm<sup>2</sup> (1x) direct at switch rear-side connection 50 mm<sup>2</sup> - 185 mm<sup>2</sup> (4x) direct at switch rear-side connection Min. 120 mm<sup>2</sup> - 300 mm<sup>2</sup> (1x) at rear-side 1-hole module plate Max. 95 mm<sup>2</sup> - 300 mm<sup>2</sup> (2x) at rear-side 1-hole module plate Min. 95 mm<sup>2</sup> - 185 mm<sup>2</sup> (2x) at rear-side 2-hole module plate Max. 35 mm<sup>2</sup> - 185 mm<sup>2</sup> (4x) at rear-side 2-hole

## TERMINAL CAPACITY (COPPER STRANDED CONDUCTOR/CABLE)

module plate 300 mm<sup>2</sup> (4x) at rear-side width extension 95 mm<sup>2</sup> - 240 mm<sup>2</sup> (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  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 400/415 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 440 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ  Screw connection,Optional:Tunnel
BREAKING CAPACITY ICS (IEC/EN 60947) AT 690 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 400/415 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 440 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ  Screw connection,Optional:Tunnel
MAKING CAPACITY ICM AT 400/415 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 440 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ  Screw connection,Optional:Tunnel
MAKING CAPACITY ICM AT 440 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ  Screw connection,Optional:Tunnel
MAKING CAPACITY ICM AT 525 V, 50/60 HZ  RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ  Screw connection,Optional:Tunnel
MAKING CAPACITY ICM AT 690 V, 50/60 HZ  Screw connection,Optional:Tunnel
connection,Optional:Tunnel
STANDARD TERMINALS terminal,Rear-side connection,Strip connection
RATED OPERATING VOLTAGE UE (UL) - MAX 600 V
RATED SHORT-CIRCUIT MAKING CAPACITY ICM 187 kA AT 240 V, 50/60 HZ
RATED IMPULSE WITHSTAND VOLTAGE
(UIMP) AT AUXILIARY CONTACTS
(UIMP) AT AUXILIARY 6000 V

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



### **Eaton Corporation plc**

Eaton House 30 Pembroke Road Dublin 4, Ireland Eaton.com

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