Circuit-breaker, 3p, 50A



Part no. NZMN2-A50-NA 269221

Product name	Eaton Moeller series NZM molded case circuit breaker thermo-magnetic
Part no.	NZMN2-A50-NA
EAN	4015082692216
Product Length/Depth	149 millimetre
Product height	195 millimetre
Product width	105 millimetre
Product weight	2.407 kilogram
Compliances	RoHS conform
Certifications	UL listed Specially designed for North America CSA-C22.2 No. 5-09 CE marking UL (Category Control Number DIVQ) IEC 60947-2 UL/CSA CSA (File No. 22086) UL (File No. E31593) CSA (Class No. 1432-01) IEC CSA certified UL 489 IEC/EN 60947
Product Tradename	NZM
Product Type	Molded case circuit breaker
Product Sub Type	Thermo-magnetic
Application	Branch circuits, feeder circuits Use in unearthed supply systems at 690 V
Туре	Circuit breaker
Circuit breaker frame type	NZM2
Number of poles	Three-pole
Amperage Rating	50 A
Release system	Thermomagnetic release
Features	Motor drive optional Protection unit
Special features	Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 50 A Switch conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjustable overload releases Ir
Voltage rating	690 V - 690 V
Rated operating voltage Ue (UL) - max	600Y/347 V, 480 V
Rated insulation voltage (Ui)	1000 V AC
Rated impulse withstand voltage (Uimp) at auxiliary contacts	6000 V
Rated impulse withstand voltage (Ulimp) at auxiliary contacts	8000 V
Rated operational current	300 A (380/400 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity) 50 A (690 V AC-1, making and breaking capacity) 50 A (660-690 V AC-3, 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
Instantaneous current setting (li) - min	300 A
Instantaneous current setting (li) - max	500 A
Overload current setting (Ir) - min	40 A
Overload current setting (Ir) - max	50 A
Short delay current setting (Isd) - min	0 A
Short delay current setting (Isd) - max	0 A

Section of circuit relation amon disapred centing in pace Section (CENTR (1981) in 200 x 500 ht	Short-circuit release non-delayed setting - min	300 A
Rated abart - circut breeking ageatory for (ICCEN 60007 in 400 V 5000 Pt 1 500 V AC (CINCENS) in 200 V 500		
Residual short-circuit branking capacity (as (PCEN 10090) at 441 V. 5000 M 20 M 30 M 30 M 30 M 30 M 30 M 30 M	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz	85 kA
Read short-circuit freaking capacy (so (DECN 0997) at 58 W, 380 No. Read short-circuit making capacy (so 1000 No. 1988	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz	50 kA
Raced absint-crocut metaking appealing from at 2017 5,000 Mt. Raced absint-crocut making appealing man 2015 5,000 Mt. Raced absint-crocut making appealing from at 2015 5,000 Mt. Raced absint-crocut making appealing from at 2015 5,000 Mt. Raced absint-crocut making appealing from at 2015 5,000 Mt. Raced absint-crocut making appealing from at 2015 5,000 Mt. Raced absint-crocut making appealing from at 2015 5,000 Mt. Raced stands from 2015 5,000 Mt. Raced stands fr	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz	35 kA
Reset above-circul matoring capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short circul mating capacity (cm at 2007, 5000 ft) Round short	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 525 V, 50/60 Hz	25 kA
Rade shart-cricul making capachy from at 600/45 V, 5000 Pt. Rade shart-cricul making capachy from at 500 V, 5000 Pt. Rade shart-cricul making capachy from at 500 V, 5000 Pt. Shart-cricul making capachy from at 500 V, 5000 Pt. Shart-cricul capachy from at 600 V, 5000 Pt. Became and the command of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions per hour - max Handid type British of parasitions at 600 V AC3 British of parasitions per hour - max Handid type British of parasitions at 600 V AC3 British of parasitions	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 690 V, 50/60 Hz	5 kA
Rated abort-circuit making capacity form at 400 X, 5000 Hz Rated abort-circuit making capacity form at 500 X, 5000 Hz Sent-circuit trait broakfare Law-unlayer BIC facer max Leddrion Sorver some etcol Reddrion Solov A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts) SOD V A C Determent auxiliary curtacts and main centacts and solve and centact and	Rated short-circuit making capacity Icm at 240 V, 50/60 Hz	187 kA
Rated short circuit making capacity lem at \$54,5000 kt. Rated short circuit making capacity lem at 604,5000 kt. Rated short circuit making capacity lem at 604,5000 kt. Society circuit table presentation Low-voltage HBC fiser - max Bedeficial connection type of main circuit Electrical connection type of main circuit Rated short capacity in the short of the short o	Rated short-circuit making capacity Icm at 400/415 V, 50/60 Hz	105 kA
Rated short-circult making capacity lem at 180 V, 500 to Per tabul functions Short-creat total functions Leve whether MED, tours max Security of connection type of main circuit Levelation	Rated short-circuit making capacity Icm at 440 V, 50/60 Hz	74 kA
Some circuit trois broaktions Low-voltage in BioCites - max Beneficial connection type of main circuit Bollation Number of operations per hour - max Handle type Character and connection speed from a circuit Bollation Number of operations per hour - max Handle type Character and type Character a	Rated short-circuit making capacity Icm at 525 V, 50/60 Hz	53 kA
Exercised connection type of main circuit Exercised connection type of main circuit circuit Exercised connection type of main circuit Exercised connection type of main circuit circuit Exercised connection type of main circuit circuit circuit Exercised connection type of main circuit circuit circuit Exercised connection type of main circuit circui	Rated short-circuit making capacity Icm at 690 V, 50/60 Hz	40 kA
Electrical cannaction type of main circuit Isolation Iso	Short-circuit total breaktime	< 10 ms
Solitation Solitation Solitation Solitation Solitation Solitation Solitation Solitation Solitation Solitation contacts Solitation Solitat	Low-voltage HBC fuse - max	355 A gG/gL
Mumber of operations per hour - max 120 12	Electrical connection type of main circuit	Screw connection
Handle type Dilization category Pullution degree Cilespan, electrical Direction of incoming supply Meunting Method Direction of incoming supply Direction of incoming suppl	Isolation	
Handle type Dilization category Pullution degree Cilespan, electrical Direction of incoming supply Meunting Method Direction of incoming supply Direction of incoming suppl	Number of operations per hour - max	
Distriction category		
Overvoltage category III Pollution degree 3 Lifespan, electrical 3000 operations at 480 V AC 3 1000 operations at 480 V AC 1 2500 operations at 480 V AC 2 2500		A (IEC/EN 60947-2)
Pollution degree Lifespan, electrical Life		
Lifespan, electrical Some operations at 880 V AC-3 1000 operations at 880 V AC-3 1000 operations at 480 V AC-3 1000 operations at 480 V AC-3 1000 operations at 480 V AC-3 1000 operations at 415 V AC-3 1000 o		
Mounting Method Fixed DIN rail (no hat rail) mounting optional Built-in device fixed built-in technique P20 IP20 (basic degree of protection, in the operating controls area) P20 IP20 (basic degree of protection, in the operating controls area) P20 IP20 (basic degree of protection, in the operating controls area) P20 (with door coupling rotary handle) P20 (with door coupling rotary handle) P20 (terminations, phase isolator and strip terminal) P20 (terminations, phase isolator and strip terminal P20 (terminations) P20 (terminat	Lifespan, electrical	10000 operations at 400 V AC-1 6500 operations at 400 V AC-3 7500 operations at 690 V AC-1
Bully raid (top hat rail) mounting optional Bulls in device fixed bulls in technique Degree of protection P20 P2	Direction of incoming supply	As required
P20 (basic degree of protection, in the operating controls area) P40 (with insulating surround) P40 (with insulating surround) P40 (with door coupling rotary handle) P66 (with door coupling rotary handle) Protection against direct contact	Mounting Method	DIN rail (top hat rail) mounting optional
Degree of protection (terminations) Degree of protection (terminations) Protection against direct contact Protection against direct contact Shock resistance Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Number of auxiliary contacts (normally open contacts) Position of connection for main current circuit Climatic proofing Special features Damp heat, constant, to IEC 60088-2-78 Damp heat, cyclic, to IEC 60088-2-30 Special features Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaking (Rated short-circuit breaking (Rated short-sircuit currents) A Switche conform to UI/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjustable overload releases in terminal capacity (control cable) Standard terminals Terminal capacity (control cable) Terminal capacity (copper busbar) Terminal capacity (copper solid conductor/cable)	Degree of protection	
P00 (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 60068-2-78	Degree of protection (IP), front side	
Shock resistance Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Number of auxiliary contacts (normally open contacts) Position of connection for main current circuit Climatic proofing Special features Special features Special features Special features Standard terminals Standard terminals Screw terminal Terminal capacity (control cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (copper solid conductor/cable) Terminal capacity (copper solid conductor/cable) Special features Spe	Degree of protection (terminations)	
Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) O Number of auxiliary contacts (normally open contacts) Position of connection for main current circuit Front side Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Special features Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (panel heat current and the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (panel heat current and the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (panel heat current and the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (panel heat current and the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (panel heat, cyclic, to IEC 60068-2-30 Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (panel heat, cyclic, to IEC 60068-2-30 Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (Panel heat, cyclic, to IEC 60068-2-30 Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (Panel heat, cyclic, to IEC 60068-2-30 Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (Panel heat, cyclic, to IEC 60068-2-30 Maximum back-up fuse, if the expected short-circuit currents at the i	Protection against direct contact	Finger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110
Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Position of connection for main current circuit Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Special features Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker) (Rated short-circuit breaking capacity (Lon) Rated current: 9 1A Switching performance values are contained on the rating plate. Adjustable overload releases Ir Lifespan, mechanical Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (1x) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side screw connection M8 at rear-side screw connection M8 at rear-side screw connection M8 at rear-side connection M8 at rear-side connection M8 at rear-side connection M8 at rear-side connection	Shock resistance	20 g (half-sinusoidal shock 20 ms)
Number of auxiliary contacts (normally open contacts) 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 Special features Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity of the circuit breaker (Rated short-circuit breaker) as witching performance values are contained on the rating plate. Adjustable overload releases Ir Lifespan, mechanical Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x) 14 mm² - 18 mm² (1x) 15 mm² (1x) at tunnel terminal Min. 16 mm x 5 mm direct at switch rear-side connection Max 20 mm x 5 mm direct at switch rear-side connection Max 20 mm x 5 mm direct at switch rear-side connection Max 20 mm x 5 mm direct at switch rear-side connection	Number of auxiliary contacts (change-over contacts)	0
Position of connection for main current circuit Front side Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Special features Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaker (Rated short-circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 50 A Switche conform to UI/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjustable overload releases Ir Lifespan, mechanical 20000 operations Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 16 mm² - 18 mm² (1x) at tunnel terminal Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side screw connection M8 at rear-side screw connection M9 at transide connection M9 at tunnel terminal M10 at tunnel terminal M10 at tunnel terminal M10 at tunnel terminal M10 at tunnel terminal	Number of auxiliary contacts (normally closed contacts)	0
Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Special features Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity (Icn) Rated current - rated uninterrupted current: 50 A Switche conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjustable overload releases Ir Lifespan, mechanical 20000 operations Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (1x) 14 mm² - 18 mm² (1x) 16 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 16 mm² - 11 mm² (1x) direct at switch rear-side connection	Number of auxiliary contacts (normally open contacts)	0
Special features Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity of the circuit breaker (Rated short-circuit breaking capacity lcn) Rated current = rated uninterrupted current. 50 A Switcher conform to UI/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjustable overload releases Ir 20000 operations Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (1x) 14 mm² - 18 mm² (1x) Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side connection M8 at transity (copper solid conductor/cable) Terminal capacity (copper solid conductor/cable) 16 mm² (1x) at tunnel terminal form² - 11 mm² (1x) direct at switch rear-side connection	Position of connection for main current circuit	Front side
location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted currents. 50 A Switched conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjustable overload releases Ir 20000 operations Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 16 mm² - 18 mm² (1x) Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M9 at rear-side connection M9 at rear-side connection M9 at rear-side connection M9 at rear-side connection	Climatic proofing	
Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) at tunnel terminal Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side connection	Special features	location exceed the switching capacity of the circuit breaker (Rated short-circu breaking capacity Icn) Rated current = rated uninterrupted current: 50 A Switch conform to UL/CSA as well as the IEC regulations. IEC switching performance
Terminal capacity (control cable) 16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) at tunnel terminal Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 x 20 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 16 mm² (1x) at tunnel terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection	Lifespan, mechanical	20000 operations
Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Max. 20 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 16 mm² (1x) at tunnel terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection	Standard terminals	Screw terminal
Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Max. 20 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 16 mm² (1x) at tunnel terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection	Terminal capacity (control cable)	
M8 at rear-side screw connection Max. 20 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 16 mm² (1x) at tunnel terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection	Terminal capacity (aluminum solid conductor/cable)	16 mm² (1x) at tunnel terminal
6 mm² - 11 mm² (1x) direct at switch rear-side connection		M8 at rear-side screw connection
	Terminal capacity (copper solid conductor/cable)	6 mm ² - 11 mm ² (1x) direct at switch rear-side connection

observed. 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. Functions System and cable protection		4 mm^2 - 350 mm^2 (1x) at tunnel terminal 4 mm^2 - $3/0 \text{ mm}^2$ (1x) direct at switch rear-side connection
Equipment heat dissipation, current-dependent Ambient operating temperature - min Ambient operating temperature - min Ambient storage temperature - mix 70 °C Meets the product standard's requirements. 10.2.1 Verification of thermal stability of enclosures 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. Moets the product standard's requirements. Does not apply, since the entire exhictpear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Moets the product standard's requirements. Moes not apply, since the entire switchgear needs to be evaluated. Moets the product standard's requirements. Moets the product standard's requirements. Moets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. In the panel builder's responsibility. In the p	Terminal capacity (copper strip)	Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segements of 16 mm x 0.8 mm at rear-side connection (punched)
Equipment heat dissipation, current-dependent Ambient operating temperature - min Ambient operating temperature - max 70 °C Ambient storage temperature - max 70 °C Meets the product standard's requirements. 10.2.3 Verification of thermal stability of enclosures 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. 10.2.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.3.2 Verification of 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. 10.2.5 Inscriptions Meets the product standard's requirements. 10.3.0 Begree 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. 10.3.0 Begree 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. Does not apply, since the entire switchgear needs to be evaluated. 10.5 Incorporation of switching devices and components 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 Instrantal electrical circuits and connections Is the panel builder's responsibility. 10.8 Commentions for external conductors Is the panel builder's responsibility. 10.9 Provise heat entire switchgear needs to be evaluated. 10.1 Temperature rise The panel builder's responsibility. 10.1 Temperature rise The		
Ambient operating temperature - min Ambient operating temperature - max Ambient storage temperature - min Ambient storage temperature - min Ambient storage temperature - min Ambient storage temperature - max 70 °C Ambient storage temperature - max 70 °C 10.2.2 Corosion resistance Meets the product standard's requirements. Meets the product standard's requirements. 10.2.3.1 Varification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.3 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 (IVI) radiation Meets the product standard's requirements. 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies 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 Concribent of switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.9 Power-frequency electric strength 10.9 Connections for external conductors Is the panel builder's responsibility. 10.9 Power-frequency electric strength 10.9 Internal electrics and connections Is the panel builder's responsibility. 10.9 Power-frequency electric strength 10.1 The power frequency electric strength 10.2 Frequency electric strength 10.3 The panel builder's responsibility. 10.4 Temperature rise The panel builder's responsibility. 10.5 Electromaphetic compatibility 10.6 The panel builder's responsibility. 10.7 The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	Rated operational current for specified heat dissipation (In)	50 A
Ambient operating temperature - max Ambient storage temperature - min Ambient storage temperature - max 70 °C Ambient storage temperature - max 70 °C 10.2.2 Corrosion resistance Meets the product standard's requirements. 10.2.3.1 Verification of fresistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist, or insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. 10.2.4 Resistance to ultra-violet (UV) radiation Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting Does not apply, since the entire switchgear needs to 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. Does not apply, since the entire switchgear needs to be evaluated. 10.5 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits devices and connections 10.8 Connections for external conductors 10.9 Exposer frequency electric strongth 10.9 Temperature rise The panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder's responsibility. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction leafer (IL) is observed. Functions System and cable protection	Equipment heat dissipation, current-dependent	17.03 W
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Functions System and cable protection	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	
Current limiting circuit breaker	Functions	

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/generator/installation protection (EC000228)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system protection (ecl@ss10.0.1-27-37-04-09 [AJZ716013])

Α	50
V	690 - 690
kA	50
Α	40 - 50
Α	0 - 0
А	300 - 500
	No
	Screw connection
	Built-in device fixed built-in technique
	No
	Yes
	0
	V kA A

Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as normally open contact	U
Number of auxiliary contacts as change-over contact	0
With switched-off indicator	No
With integrated under voltage release	No
Number of poles	3
Position of connection for main current circuit	Front side
Type of control element	Rocker lever
Complete device with protection unit	Yes
Motor drive integrated	No
Motor drive optional	Yes
Degree of protection (IP)	IP20