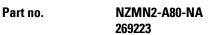
Circuit-breaker, 3p, 80A





Product name	Eaton Moeller series NZM molded case circuit breaker thermo-magnetic
Part no.	NZMN2-A80-NA
EAN	4015082692230
Product Length/Depth	149 millimetre
Product height	195 millimetre
Product width	105 millimetre
Product weight	2.421 kilogram
Compliances	RoHS conform
Certifications	Specially designed for North America CE marking UL 489 UL (File No. E31593) CSA-C22.2 No. 5-09 IEC/EN 60947 CSA (File No. 22086) CSA certified UL/CSA CSA (Class No. 1432-01) UL (Category Control Number DIVQ) IEC IEC 60947-2 UL listed
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	80 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-circu breaking capacity Icn) Rated current = rated uninterrupted current: 80 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 (Uimp) at main contacts	8000 V
Rated operational current	300 A (415 V AC-1, making and breaking capacity) 300 A (380/400 V AC-1, making and breaking capacity) 80 A (690 V AC-1, making and breaking capacity) 80 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	480 A
Instantaneous current setting (li) - max	800 A
Overload current setting (Ir) - min	63 A
Overload current setting (Ir) - max	80 A
Short delay current setting (Isd) - min	0 A

Section Sect	Short-circuit release non-delayed setting - min	480 A
Read abort-circuit breafung capacity (as IRECM 8087) in 400419 V, 5000014 Road abort circuit braining capacity (as IRECM 8087) in 400 V, 5000014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 500014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 600 V, 600014 Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 600 V, 600014 Road abort-circuit braining capacity (as IRECM 8087) Road abort-circuit braining capacity (as IRECM 8087) in 400 V, 600 V,	· · ·	800 A
Section sharm circuit breaking capacity for SCEPN 69971 at 450 % 5990 92 52 54 54 54 54 54 54 54 54 54 54 54 54 54	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz	85 kA
Read aftert critari brealing capacity for IRCEN 189911 at 1809 (1880)46 Read dated critari integrating capacity for at 1909 (1880)46 Read dated critari integrating capacity of the critari integrating capacity of the	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz	50 kA
Raded abort-circular landing, especify (com as 200, 500001 at 60000, 500001 at 60000, 500001 at 60000, 500001 at 60000, 5000001 at 600000000000000000000000000000000000	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz	35 kA
Read abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart-circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 200 % 2000 ft) Riad abart circul making capacity (am at 2000 ft) Riad abart circul making capacity (am at 2000 ft) Riad abart circul making capacity (am at 2000 ft) Riad abart circul making capacity (am at 2000 ft) Riad (am at 2000 ft	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 525 V, 50/60 Hz	25 kA
Rated abord-circuit making capachy from at 400 V 5000 Met. Rated abord-circuit making capachy from at 50 V 5000 Met. Rated abord-circuit making capachy from at 50 V 5000 Met. Rated abord-circuit making capachy from at 50 V 5000 Met. Rated abord-circuit making capachy from at 50 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 600 V 5000 Met. Rated abord-circuit making capachy from at 6000 Met. Rated abord-circuit from at 6000 Met. Rated abord-circuit	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 690 V, 50/60 Hz	5 kA
Reset abort-cercul making capacity (cm set 50 V,500 th cm) Reset abort-cercul making capacity (cm set 50 V,500 th cm) Reset abort-cercul making capacity (cm set 50 V,500 th cm) Reset abort-cercul making capacity (cm set 50 V,500 th cm) Reset abort-cercul making capacity (cm set 50 V,500 th cm) Reset abort-cercul making capacity (cm set 50 V,500 th cm) Reset (cm) Reset (cm	Rated short-circuit making capacity Icm at 240 V, 50/60 Hz	187 kA
Rated short circuit making capacity lem at 55 V, 5000 Nz Rated short circuit making capacity lem at 60 V, 5000 Nz Stort circuit to shirt pristation Cow voltage NBC fuse - max Electrical connection type of main circuit Cow voltage NBC fuse - max Electrical connection type of main circuit Sol Stort AC Determent audianty contacts and main centacts) Sist V AC Determent audianty contacts and main centacts (AC Determent audianty contacts and main centacts) Sist V AC Determent audianty contacts and main centacts (AC Determent audianty contacts and main centacts) Sist V AC Determent audianty contacts and main centacts (AC Determent audianty contacts and main centacts) Sist V AC Determent audianty contacts and main centacts (AC Determent audianty contacts and main centacts) Sist V AC Determent audianty contacts and main centacts (AC Determent audianty contacts and main centacts) Sist V AC Determent audianty contacts and main centacts (AC Determent audianty contacts and main centacts (AC Determent audianty contacts and main centacts) Sist V AC Determent audianty contacts and Main Contacts (AC Determent audianty contacts and Main Contacts (AC Determent audianty c	Rated short-circuit making capacity Icm at 400/415 V, 50/60 Hz	105 kA
Read abort - irout making capacity lem at 80 V, 5000 Ne Sourcircuit making capacity lem at 80 V, 5000 Ne Sourcircuit making capacity lem at 80 V, 5000 Ne Sourcircuit making capacity lem at 60 V, 5000 Ne Sourcircuit making capacity lem at 60 V, 5000 Ne Sourcircuit making capacity lem at 60 V, 5000 Ne Sourcircuit making capacity lem at 60 V, 5000 Ne Sourcircuit making capacity Sourcircuit making capacity Sourcircuit making capacity Sourcircuit making capacity Unitarian cartigany Overcircuit making capacity Unitarian cartigany Overcircuit making cartigany Overcircuit making cartigany Unitarian cartigany Overcircuit making supply Overcircuit making supply Overcircuit making supply Overcircuit making cartigany	Rated short-circuit making capacity Icm at 440 V, 50/60 Hz	74 kA
Sub-circuit total breaktime	Rated short-circuit making capacity Icm at 525 V, 50/60 Hz	53 kA
Low-voltage HBC fuse - max Sits A gG/gL	Rated short-circuit making capacity Icm at 690 V, 50/60 Hz	40 kA
Screw connection type of main circuit toolsion Son AC between the auxiliary contacts and main contacts	Short-circuit total breaktime	< 10 ms
Isolation S09 V.AC (between the suciliary contacts) Number of operations per hour - max 120 1	Low-voltage HBC fuse - max	355 A gG/gL
Mumber of operations per hour - max 100 WAE (hetween auxiliary contracts and main contracts) 100 contracts and main contracts) 100 contracts and main contracts) 100 contracts and main contracts 100 contracts	Electrical connection type of main circuit	Screw connection
Number of poerations per hour -max Handle type Christianion category Christianion catego	Isolation	300 V AC (between the auxiliary contacts)
Handle type Discretion category Diverbiding extegory Diverbidin		500 V AC (between auxiliary contacts and main contacts)
Dilization category	Number of operations per hour - max	120
Overvoltage category III Pollution degree 3 Lifespan, electrical 8000 operations at 400 VAC 3 8000 operations at 415 VAC 3 8000 operations operations at 415 VAC 3 8000 operations at 415 VAC	Handle type	Rocker lever
Pollution degree Lifespan, electrical Life	Utilization category	A (IEC/EN 60947-2)
Lifespan, electrical 10000 operations at 400 V AC-1 electropic services	Overvoltage category	III
Comment of the comm	Pollution degree	3
Mounting Method Fixed DIN rail frop hat rail mounting optional Built-in device fixed built-in technique	Lifespan, electrical	6500 operations at 400 V AC-3 7500 operations at 690 V AC-1 5000 operations at 690 V AC-3
Bulls rail top hat rail mounting optional Bulls device free by in device free by in the choinque	Direction of incoming supply	As required
P20	Mounting Method	DIN rail (top hat rail) mounting optional
P40 (with insulating surround) Pegree of protection (terminations) P100 (terminations, phase isolator and strip terminal) Protection against direct contact P100 (tunnel terminal) Protection against direct contact P100 (terminations, phase isolator and strip terminal) Protection against direct contact P100 (terminations) P100 (tunnel terminal P100 (terminations) P100 (tunnel terminal) P	Degree of protection	
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) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) O Number of auxiliary contacts (normally open contacts) Position of connection for main current circuit Climatic proofing Damp heat, cyclic, to IEC 60088-2-30 Damp heat, constant, to IEC 60088-2-38 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 breaker) (Rated short-circuit 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 Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 1 mm² (1x) direct at switch rear-side connection 6 mm² (1x) at tunnel terminal	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) Solid March 1 mm² (1x) at tunnel terminal Solid March 2 mm	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, cyclic, to IEC 60068-2-30 Damp heat, cyclic, to IEC 60068-2-78 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) (apacity local) Rated current = rated uninterrupted current so A Switch 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 Standard terminals Terminal capacity (control cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 1(xx) at tunnel terminal	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, cyclic, to IEC 80088-2-30 Damp heat, cyclic, to IEC 80088-2-78 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 (Lon) Rated current: 9 A Switching capacity of the circuit breaker (Rated short-circuit breaking capacity (Lon) Rated current: 9 A Switching performance values are contained on the rating plate. Adjustable overload releases in Contained on the rating plate. Adjustable overload releases in Standard terminals Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 18 mm² - 18 mm² (1x) Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm² - 11 mm² (1x) direct at switch rear-side connection Min. 16 mm² - 11 mm² (1x) direct at switch rear-side connection Min. 16 mm² - 11 mm² (1x) direct at switch rear-side connection Min. 16 mm² - 11 mm² (1x) direct at switch 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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 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 the IEC regulations. IEC switching 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) 16 mm² - 18 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at mnm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal	Number of auxiliary contacts (change-over contacts)	0
Position of connection for main current circuit Front side Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 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: 80 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 Screw terminal Terminal capacity (control cable) 16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x) Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 6 mm² - 11 mm² (1x) at tunnel terminal	Number of auxiliary contacts (normally closed contacts)	0
Climatic proofing Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 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: 80 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 (2x) 14 mm² - 18 mm² (1x) Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection Min. 16 mm² (1x) at tunnel terminal Terminal capacity (copper solid conductor/cable) 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal	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: 80 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) 16 mm² - 11 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side connection M8 at trear-side connection M8 at trear-side connection M8 at trear-side connection M8 at trear-side connection M9 at trear-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 current: 80 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 (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch 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 Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection M6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal	Special features	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 80 A Switcher 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 Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal	Lifespan, mechanical	20000 operations
Terminal capacity (aluminum solid conductor/cable) 16 mm² (1x) at tunnel terminal Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal	Standard terminals	Screw terminal
Terminal capacity (copper busbar) Max. 20 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal	Terminal capacity (control cable)	
M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper solid conductor/cable) 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal	Terminal capacity (aluminum solid conductor/cable)	16 mm² (1x) at tunnel terminal
16 mm² (1x) at tunnel terminal	Terminal capacity (copper busbar)	M8 at rear-side screw connection
	Terminal capacity (copper solid conductor/cable)	16 mm ² (1x) at tunnel terminal

provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear mu observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear mu observed.		4 mm² - 350 mm² (1x) at box terminal 4 mm² - 3/0 mm² (1x) direct at switch rear-side connection
Equipment heat dissipation, current-dependent Ambient operating temperature - min Ambient operating temperature - max 70 °C Ambient storage temperature - min 40 °C Ambient storage temperature - max 70 °C 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 thermal stability of enclosures Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist. of Insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Litting 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.2.1 Resistance to ultra-violet (UV) radiation 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Litting 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Dees not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Dees 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 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Incorporation of switching devices and components 10.9 Responsability, 10.9 Commercions for external conductors 10.9 Temperature rise descriptions 10.9 Temperature rise possibility, 10.9 Temperature rise calculation. Eaton we provide heat dissipation data for the temperature rise calculation. Eaton we provide heat dissipation data for the temperature rise calculation. Eaton we provide heat dissipation data for the devices. 10.11 Short-circuit rating 10.13 Mechanical function The device meets the requirements, provided the information in the instruction of the switchgear munitors requirements	Terminal capacity (copper strip)	Max. 10 segments of 16 mm x 0.8 mm at rear-side connection (punched) Max. 10 segments of 16 mm x 0.8 mm at box terminal
Equipment heat dissipation, current-dependent Ambient operating temperature - min Ambient operating temperature - max 70 °C Ambient storage temperature - max 70 °C 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 thermal stability of enclosures Meets the product standard's requirements. 10.2.3.2 Verification of tresistance of insulating materials to normal heat 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies 10.4 Resistance to ultra-violet (UV) radiation 10.5 Protection against electric shock 10.6 Recorporation of switching devices and components 10.6 Recorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Temperature rise 10.9 Power-frequency electric strength 10.9 Temperature rise 10.9 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction of the switchgear meets, provided the information in the instruction of the switchgear meets the requirements.		
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	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.
Functions System and cable protection 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])

protection (ect@ss10.0.1-27-37-04-08 [AJZ/10013])		
Rated permanent current lu	А	80
Rated voltage	V	690 - 690
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	50
Overload release current setting	А	63 - 80
Adjustment range short-term delayed short-circuit release	А	0 - 0
Adjustment range undelayed short-circuit release	А	480 - 800
Integrated earth fault protection		No
Type of electrical connection of main circuit		Screw connection
Device construction		Built-in device fixed built-in technique
Suitable for DIN rail (top hat rail) mounting		No
DIN rail (top hat rail) mounting optional		Yes
Number of auxiliary contacts as normally closed contact		0

Number of auxiliary contacts as normally open contact	0
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