Circuit-breaker, 3p, 100A

Part no. NZMN2-VE100

259122 4315540

EL Number

(Norway)



(INDI WAY)	
General specifications	
Product name	Eaton Moeller series NZM molded case circuit breaker electronic
Part no.	NZMN2-VE100
EAN	4015082591229
Product Length/Depth	149 millimetre
Product height	184 millimetre
Product width	105 millimetre
Product weight	2.437 kilogram
Compliances	RoHS conform
Certifications	IEC IEC/EN 60947
Product Tradename	NZM
Product Type	Molded case circuit breaker
Product Sub Type	Electronic
Delivery program	
Application	Use in unearthed supply systems at 690 V
Туре	Circuit breaker
Circuit breaker frame type	NZM2
Number of poles	Three-pole
Amperage Rating	100 A
Release system	Electronic release
Features	Protection unit Motor drive optional
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) R.m.s. value measurement and "thermal memory" Adjustable time delay setting to overcome current peaks tr at 6 x Ir also infinity (without overload releases) Adjustable delay time tsd i²t constant function: fixed OFF Rated current = rated uninterrupted current: 100 A
Technical Data - Electrical	
Voltage rating	690 V - 690 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 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	1200 A
Instantaneous current setting (Ii) - max	1200 A
Overload current setting (Ir) - min	50 A
Overload current setting (Ir) - max	100 A
Short delay current setting (Isd) - min	100 A
Short delay current setting (Isd) - max	1000 A
Short-circuit release delayed setting - min	100 A
Short-circuit release delayed setting - max	1000 A
Short-circuit release non-delayed setting - min	1200 A
Short-circuit release non-delayed setting - max	1200 A
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz	85 kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz	50 kA
Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz	35 kA

location exceed the switching capacity of the circuit breaker (Rated short-circure breaking capacity) (cn) R.m.s. value measurement and "thermal memory" Adjustable time delay setting to overcome current peaks tr at 6 x lr also infinit (without overload releases) Adjustable delay time tsd it constant function: fixed OFF Rated current = rated uninterrupted current: 100 A Lifespan, mechanical Technical Data - Mechanical - Terminals Standard terminals Optional terminals Optional terminals Terminal capacity (control cable) Terminal capacity (control cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 525 V, 50/60 Hz	25 kA
Risted attoor-circuit making capacity (cm st 400 / 500 Pt 2	Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 690 V, 50/60 Hz	5 kA
Resid short-circuit making capacity for at 5% (\$500 bit 50	Rated short-circuit making capacity Icm at 240 V, 50/60 Hz	187 kA
Rand stort circuit making capacity from at 55 til, 5660 til 14 Rand stort circuit making capacity from 6 til 14 5000 til 14 Rand stort circuit making capacity from 6 til 14 5000 til 14 Short-circuit to the relation of the	Rated short-circuit making capacity Icm at 400/415 V, 50/60 Hz	105 kA
Receded above-circuit making capacity from at 100 V, 5969 1tu Shore-dicrial transit broadtime Shore dicrial transit broadtime Isolation Shore dicrial transit broadtime Isolation Shore were connection Isolation Shore were connection Isolation Shore were connection by get man or court Isolation National of operations per hour - max A IRECT MORANT Williamston category Deventings category Ill Williamston category Deventings category Ill Urbasson, electrical Shore deprine Shore	Rated short-circuit making capacity Icm at 440 V, 50/60 Hz	74 kA
Sheet-circuit trait breaktime 18	Rated short-circuit making capacity Icm at 525 V, 50/60 Hz	53 kA
Electrical connection type of main circuit Isolation 300 V.A.C. (between the auxiliary contacts) 500 V.A.C. (between the auxiliary contacts (bornally closed contacts) 500 V.A.C. (between the auxiliary contacts (bornally closed contacts) 500 V.A.C. (between the auxiliary contacts (bornally closed contacts) 500 V.A.C. (between the auxiliary contacts (bornally closed contacts) 500 V.A.C. (between the auxiliary contacts (bornally closed contacts) 500 V.A.C. (between the auxiliary contacts (bornally closed contacts) 500 V.A.C. (between the auxiliary contacts (bornally closed contacts) 500 V.A.C. (bornally clos	Rated short-circuit making capacity Icm at 690 V, 50/60 Hz	40 kA
Solution 2007 AC Distriction the audility contracts of 2007 AC Distriction the audility contracts and main contactal	Short-circuit total breaktime	< 10 ms
SOU VAC Destroem audiliary contacts and main contacts) Namele stype Pocker inver Distinction category A IECEN 0591-27 Uniform of grown A IECEN 05	Electrical connection type of main circuit	Screw connection
Manufal type Distance category A DECEMBENAT-20	Isolation	
Usization category Devendage category III Politication category III SST Quarticos at 450 V A.C.3 SST QUARTICOS Quarticos at 450 V A.C.3 SST QUARTICOS	Number of operations per hour - max	120
Developed 3 Pollution degree	Handle type	Rocker lever
Pollution degree Lifespan, obscrinced Differential political and security of the political pol	Utilization category	A (IEC/EN 60947-2)
Lifespan, electrical SSDD sperations at EDN VAD-3 10000 sperations at 460 V AC-1 10000 sperations at 461 V AC-1 15000 sperations at 461 V AC-1 15000 sperations at 461 V AC-2 15000 sperations at 461 V AC-3 15000 sperations at 461 V AC-	Overvoltage category	III
1000 operations at 400 VAC-1 7500 operations at 450 VAC-1 1000 operations at 450 VAC-1 1000 operations at 450 VAC-1 1000 operations at 450 VAC-3 2000 operations at 450 VAC-3	Pollution degree	3
Technical Data - Mechanical Mounting Method Din reil (top hat reil) mounting optional Fixed Built- in device fixed built- in technique Degree of protection 1220 (basic degree of protection, in the operating controls area) 1220 Degree of protection (IP), front side 1240 (with insulating surround) 1250 (terminations) 1260 (terminations, phase isolator and strip terminal) 1270 (terminations) 12		10000 operations at 400 V AC-1 7500 operations at 690 V AC-1 10000 operations at 415 V AC-1 6500 operations at 415 V AC-3 5000 operations at 690 V AC-3
Mounting Method DIN rail (top hat rail) mounting optional Fixed Built-in device fixed built-in technique Pagree of protection, in the operating controls area P20 (basic degree of protection, in the operating controls area P20 (basic degree of protection, in the operating controls area P20 (basic degree of protection, in the operating controls area P20 (basic degree of protection, in the operating controls area P20 (basic degree of protection, in the operating controls area P20 (basic degree of protection, in the operating controls area P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operating controls P20 (basic degree of protection, in the operation P20 (basic degree of protection, i	•	As required
Fixed Sult-in-device fixed built-in technique		DIN seil fee bet seil mounting setting !
Degree of protection (IP), front side Degree of protection (IP), front side Protection against direct contact Finger and back-of-hand proof to DIN EN 50274/VIDE 0106 part 110 Shock resistance Protection against direct contact Finger and back-of-hand proof to DIN EN 50274/VIDE 0106 part 110 Shock resistance 20 g (half-sinusoidal shock 20 ms) Number of auxiliary contacts (honge-over contacts) 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 60088-2-78 Damp heat, constant, to IEC 6008-2-78 Damp heat, constant, to	Mounting Method	Fixed
IP66 (with door coupling rotary handle)	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 (normally closed 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 Climatic proofing Damp heat, constant, to IEC 60088-2-78 Damp heat, cyclic, to IEC 6	Degree of protection (IP), front side	
Shock resistance Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Position of connection for main current circuit Climatic proofing Special features Special features Maximum back-up fuse, if the expected short-circuit currents at the installatic location exceed the switching capacity of the circuit breaker (Rated short-circ breaking capacity of the circuit breaker (Rated short-circ breaking capacity of the circuit breaker (Rated short-circuit currents at the installatic location exceed the switching capacity of the circuit breaker (Rated short-circ breaking capacity of the circuit breaker (Rated short-circuit currents at the installatic location exceed the switching capacity of the circuit breaker (Rated short-circ breaking capacity (Inc.) Lifespan, mechanical Lifespan, mechanical - Terminals Standard terminals Standard terminals Optional terminals Screw terminal Optional terminals Ferminal capacity (control cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (copper busbar) Min. 16 mm × 5 mm direct at switch rear-side connection 25 mm² - 185 mm² (1x) at tunnel terminal		IP10 (tunnel terminal)
Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Position of connection for main current circuit Climatic proofing Damp heat, constant, to IEC 60088-2-78 Damp heat, constant, to IEC 60088-2-78 Damp heat, cyclic, to IEC 60088-2-30 Maximum back-up fuse, if the expected short-circuit currents at the installatic location exceed the switching capacity of the circuit breaker (Rated short-circuit current and "thermal memory" Algistable time delay setting to overcome current peaks tr at 6 x lr also infinit (without overdar eleases) Algistable delay time tsd if constant inclinofic fixed OFF Rated current = rated uninterrupted current: 100 A Lifespan, mechanical Technical Data - Mechanical - Terminals Standard terminals Optional terminals Optional terminals Optional terminals Terminal capacity (control cable) Terminal capacity (control cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (copter busbar) Min. 16 mm x 5 mm direct at switch rear-side connection Terminal capacity (copper busbar)	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) Position of connection for main current circuit Climatic proofing Special features Special featu		20 g (half-sinusoidal shock 20 ms)
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 60068-2-78 Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-	Number of auxiliary contacts (change-over contacts)	0
Position of connection for main current circuit Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp and back-up fuse file opening apacity of the circuit currents at the installation location of IEC 60068-2-78 Damp and ack-up fuse in IEC 60068-278 Damp and ack	, , , , , , , , , , , , , , , , , , , ,	
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 breaker) (Rated short-circuit breaking capacity of the circuit breaker (Rated short-circuit current and "thermal memory" Adjustable time delay setting to overcome current peaks tr at 6 x lr also infinit (without overload releases) Adjustable delay time tsd if constant functions fixed OFF Rated current = rated uninterrupted current: 100 A Lifespan, mechanical Technical Data - Mechanical - Terminals Screw terminal Optional terminals Screw terminal Box terminal. Connection on rear. Tunnel terminal Terminal capacity (aluminum solid conductor/cable) 10 mm² - 1.5 mm² (2x) 0.75 mm² - 2.5 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 80 mm² (1x) at tunnel terminal 25 mm² - 80 mm² (1x) at tunnel terminal 25 mm² - 80 mm² (1x) direct at switch rear-side connection 25 mm² - 80 mm² (1x) direct at switch rear-side connection Terminal capacity (copper busbar)	Number of auxiliary contacts (normally open contacts)	0
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) ten) R.m.s. value measurement and "thermal memory" Adjustable time delay setting to overcome current peaks tr at 6 x Ir also infinit (without overload releases) Adjustable delay time tsd if constant function: fixed OFF Rated current = rated uninterrupted current: 100 A Lifespan, mechanical Technical Data - Mechanical - Terminals Standard terminals Optional terminals Optional terminals Optional terminals Terminal capacity (control cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum stranded conductor/cable)	Position of connection for main current circuit	Front side
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Technical Data - Mechanical - Terminals Standard terminals Optional terminals Box terminal. Connection on rear. Tunnel terminal Terminal capacity (control cable) 0.75 mm² - 1.5 mm² (2x) 0.75 mm² - 2.5 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 50 mm² (1x) at tunnel terminal 25 mm² - 50 mm² (2x) direct at switch rear-side connection Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection	Special features	R.m.s. value measurement and "thermal memory" Adjustable time delay setting to overcome current peaks tr at 6 x Ir also infinity (without overload releases) Adjustable delay time tsd i²t constant function: fixed OFF
Standard terminals Optional terminals Box terminal. Connection on rear. Tunnel terminal 0.75 mm² - 1.5 mm² (2x) 0.75 mm² - 2.5 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 50 mm² (2x) direct at switch rear-side connection Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection	Lifespan, mechanical	20000 operations
Optional terminals Box terminal. Connection on rear. Tunnel terminal 1.5 mm² - 1.5 m	Technical Data - Mechanical - Terminals	
Terminal capacity (control cable) 0.75 mm² - 1.5 mm² (2x) 0.75 mm² - 2.5 mm² (1x) Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection 10 mm² - 16 mm² (2x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 185 mm² (1x) direct at switch rear-side connection 25 mm² - 20 mm² (2x) direct at switch rear-side connection Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection	Standard terminals	Screw terminal
Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (1x) direct at switch rear-side connection 10 mm² - 16 mm² (2x) direct at switch rear-side connection 16 mm² (1x) direct at switch rear-side connection 25 mm² - 50 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 50 mm² (2x) direct at switch rear-side connection 25 mm² - 50 mm² (2x) direct at switch rear-side connection 25 mm² - 50 mm² (2x) direct at switch rear-side connection	Optional terminals	Box terminal. Connection on rear. Tunnel terminal
10 mm² - 16 mm² (2x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 50 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 50 mm² (2x) direct at switch rear-side connection Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection	Terminal capacity (control cable)	
25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 50 mm² (2x) direct at switch rear-side connection Terminal capacity (copper busbar) Min. 16 mm x 5 mm direct at switch rear-side connection	Terminal capacity (aluminum solid conductor/cable)	10 mm ² - 16 mm ² (2x) direct at switch rear-side connection
	Terminal capacity (aluminum stranded conductor/cable)	25 mm ² - 185 mm ² (1x) at tunnel terminal
M8 at rear-side screw connection Max. 24 mm x 8 mm direct at switch rear-side connection	Terminal capacity (copper busbar)	M8 at rear-side screw connection
Terminal capacity (copper solid conductor/cable) 6 mm² - 16 mm² (2x) at box terminal	Terminal capacity (copper solid conductor/cable)	6 mm ² - 16 mm ² (2x) at box 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.		6 mm ² - 16 mm ² (2x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) at box terminal 16 mm ² (1x) at tunnel terminal
Max. 8 aegiments of 26 mm x 0.8 mm at rear-side connection (punched) Min. 2 aegiments of 16 mm x 0.8 mm at rear-side connection (punched) Min. 2 aegiments of 16 mm x 0.8 mm at box terminal Minx. 10 aegiments of 10 aegiments. Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements of 10 aegiments of 1	Terminal capacity (copper stranded conductor/cable)	25 mm ² - 70 mm ² (2x) direct at switch rear-side connection 25 mm ² - 70 mm ² (2x) at box terminal 25 mm ² - 185 mm ² (1x) at 1-hole tunnel terminal
Reted operational current for specified heat dissipation (In) Equipment heat dissipation, current-dependent Ambient operating temperature - max Ambient operating temperature - max Ambient storage temperature - max Ambient storage temperature - max Ambient storage temperature - max Anbient storage temperature - max 70 °C Design verification as per IEC/EN 61439 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.2 Resistance of insulating materials to normal heat 10.2.3.3 Resists of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Internal electric shock 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Frotection against electric shock 10.6 Incorporation of switchinger devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Connections for external conductors 10.1 Connections for external conductors 10.2 Connections for external conductors 10.3 Connections for external conductors 10.4 Connections for external conductors 10.5 Incorporation of external conductors 10.6 Connections for external conductors 10.7 Internal electrical circuits and connections 10.8 Connections for	Terminal capacity (copper strip)	Max. 8 segments of 24 mm x 1 mm (2x) at box terminal Min. 2 segements of 16 mm x 0.8 mm at rear-side connection (punched) Min. 2 segments of 9 mm x 0.8 mm at box terminal
Equipment heat dissipation, current-dependent Ambient operating temperature - min Ambient operating temperature - min Ambient operating temperature - min Ambient storage temperature - mix Ambient storage temperature - mix Ambient storage temperature - mix 70 °C Design verification as per IEC/EN 61439 10.2.2 Corrision resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3 Resistance to ultra-violet (UV) radiation 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Mechanical impact 10.2.6 Mechanical impact 10.2.8 Mechanical impact 10.2.9 Interpolation of assemblies 10.3 Degree of protection of assemblies 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Protection against electric shock 10.6 Recorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Comercions of switching devices and components 10.9 Protection of switching devices and components 10.9 Internal electrical circuits and connections 10.1 Short-circuit raining 10.2 Internal electrical circuits and connections 10.3 Impulse withstand voltage 10.4 Testing of enclosures made of insulating material 10.5 Interporation of switching devices and components 10.6 Interporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Recorporation of switching devices an	Design verification as per IEC/EN 61439 - technical data	
Ambient operating temperature - min Ambient operating temperature - max Ambient storage temperature - min Ambient storage temperature - max Ambient storage temperature - max Design verification as per IEC/EN 61439 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of tresistance of insulating materials to normal heat 10.2.3.3 Verification of resistance of insulating materials to normal heat 10.2.3.8 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.6 Meets the product standard's requirements. 10.2.6 Lifting 10.2.6 Meets the product standard's requirements. 10.2.7 Resistance to ultra-violet (UV) radiation 10.2.8 Meets the product standard's requirements. 10.3.0 Egree of protection of assemblies 10.3.0 Egree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Power-frequency electric responsibility. 10.9 Internal electrical circuits and connections 10.1 Short-circuit rating 10.1 Short-circuit rating 10.1 Short-circuit rating Additional information Additional information	Rated operational current for specified heat dissipation (In)	100 A
Ambient operating temperature - max Ambient storage temperature - min Ambient storage temperature - max Design verification as per IEC/EN 61439 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 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 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.8 Dees not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Protection against electric shock 10.5 Protection against electric shock 10.5 Protection of switching devices and components 10.6 Concentions for external conductors 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.1 Themperature rise 10.2 Themperature rise 10.3 Themperature rise 10.4 Themperature rise 10.5 Themperature rise switchgear needs to be evaluated. 10.6 Themperature rise 10.7 Themperature rise 10.8 Themperature rise responsibility. 10.9 Themperature rise 10.9 Themperature rise responsibility. 10.1 Themperature rise 10.1 Themperature rise responsibility. 10.2 Power-frequency electric strength 10.3 Themperature rise responsibility. 10.4 The panel builder's responsibility. 10.5 The panel builder's responsibility. 10.6 The device meets the requirements, provided the information in the instructic leaflet (IL) is observed.	Equipment heat dissipation, current-dependent	8.25 W
Ambient storage temperature - min Ambient storage temperature - max Design verification as per IEC/EN 61439 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.1 Verification of tremal stability of enclosures 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-violat (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.8 Mechanical impact 10.2.8 Insulation of assemblies 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9 A Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Electromagnetic compatibility 10.15 How every frequency electric strength 10.16 Temperature rise 10.17 Mechanical function 10.18 Connections for external conductors 10.19 Internal electrical circuits and connections 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Electromagnetic compatibility 10.15 How every frequency electric strength 10.16 Temperature rise 10.17 Mechanical function 10.18 Connections for external conductors 10.19 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.14 Electromagnetic compatibility 10.15 Temperature rise 10.16 Temperature rise 10.17 Temperature rise responsibility 11.18 The panel builder's responsibility. The specifications for the switchgear multiple responsibility. The specifications for the switchgear multiple responsibility	Ambient operating temperature - min	-25 °C
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Design verification as per IEC/EN 61439 10.22 Corrosion resistance 10.23.1 Verification of thermal stability of enclosures 10.23.2 Verification of resistance of insulating materials to normal heat 10.23.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.24.8 Resistance to ultra-violet (IVV) radiation 10.25 Lifting 10.25 Lifting 10.25 Inscriptions 10.27 Inscriptions 10.29 Inscriptions 10.29 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Instranal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function Additional information	Ambient storage temperature - min	40 °C
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	10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Functions Systems, cable, selectivity and generator protection	Additional information	
	Functions	Systems, cable, selectivity and generator protection

Technical data ETIM 9.0

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@ss13-27-37-04-09 [AJZ716018])

procession (concession 2) or or or processing		
Rated permanent current lu	Α	100
Rated voltage	V	690 - 690
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	50
Overload release current setting	Α	50 - 100
Adjustment range short-term delayed short-circuit release	Α	100 - 1000
Adjustment range undelayed short-circuit release	Α	1200 - 1200
Power loss	W	
Device construction		Built-in device fixed built-in technique

Integrated earth fault protection	No
Type of electrical connection of main circuit	Screw connection
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