DATASHEET - NZMN2-A300



Circuit-breaker, 3p, 300A

Part no.

NZMN2-A300 107580 **EATON** Powering Business Worldwide^{**}

General specifications

Product name	Eaton Moeller series NZM molded case circuit breaker thermo-magnetic
Part no.	NZMN2-A300
EAN	4015081072606
Product Length/Depth	149 millimetre
Product height	184 millimetre
Product width	105 millimetre
Product weight	2.345 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60947 IEC
Product Tradename	NZM
Product Type	Molded case circuit breaker
Product Sub Type	Thermo-magnetic
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	300 A
Release system	Thermomagnetic release
Features	Protection unit Motor drive optional
Special features Technical Data - Electrical	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: 300 A
	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity lcn)
Technical Data - Electrical	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A
Technical Data - Electrical Voltage rating	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V
Technical Data - Electrical Voltage rating Rated insulation voltage (Ui)	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC
Technical Data - Electrical Voltage rating Rated insulation voltage (Ui) Rated impulse withstand voltage (Uimp) at auxiliary contacts	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity lcn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V
Technical Data - Electrical Voltage rating Rated insulation voltage (Ui) Rated impulse withstand voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V
Technical Data - Electrical Voltage rating Rated insulation voltage (Ui) Rated impulse withstand voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts Rated short-time withstand current (t = 0.3 s)	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1.9 kA
Technical Data - Electrical Voltage rating Rated insulation voltage (Ui) Rated impulse withstand voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts Rated short-time withstand current (t = 0.3 s) Rated short-time withstand current (t = 1 s)	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1.9 kA 1.9 kA
Technical Data - Electrical Voltage rating Rated insulation voltage (Ui) Rated inpulse withstand voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts Rated short-time withstand current (t = 0.3 s) Rated short-time withstand current (t = 1 s) Instantaneous current setting (li) - min	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1.9 kA 1.9 kA 2000 A
Technical Data - Electrical Voltage rating Rated insulation voltage (Uin) Rated impulse withstand voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts Rated short-time withstand current (t = 0.3 s) Rated short-time withstand current (t = 1 s) Instantaneous current setting (li) - min Instantaneous current setting (li) - max	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1.9 kA 1.9 kA 2000 A 2500 A
Technical Data - ElectricalVoltage ratingRated insulation voltage (Ui)Rated insulation voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (li) - minInstantaneous current setting (li) - maxOverload current setting (lr) - min	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1.9 kA 1.9 kA 2000 A 2000 A 2000 A 2000 A 2000 A 240 A
Technical Data - ElectricalVoltage ratingRated insulation voltage (Ui)Rated impulse withstand voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (Ii) - minInstantaneous current setting (Ii) - maxOverload current setting (Ir) - maxOverload current setting (Ir) - max	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 8000 V 1.9 kA 1.9 kA 2000 A 2500 A 240 A 300 A
Technical Data - ElectricalVoltage ratingRated insulation voltage (Uin)Rated impulse withstand voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (li) - minInstantaneous current setting (li) - maxOverload current setting (lr) - minOverload current setting (lr) - maxShort delay current setting (lsd) - min	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A690 V - 690 V690 V - 690 V1000 V AC6000 V8000 V8000 V1.9 kA1.9 kA2000 A2500 A240 A300 A0 A
Technical Data - ElectricalVoltage ratingRated insulation voltage (Ui)Rated insulation voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (li) - minInstantaneous current setting (li) - maxOverload current setting (lr) - maxOverload current setting (ls) - minShort delay current setting (lsd) - max	Icoation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A690 V - 690 V690 V - 690 V1000 V AC6000 V6000 V8000 V1.9 kA1.9 kA2000 A2000 A2000 A2000 A300 A0 A0 A
Technical Data - ElectricalVoltage ratingRated insulation voltage (Uin)Rated impulse withstand voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (li) - minInstantaneous current setting (li) - maxOverload current setting (lr) - maxShort delay current setting (lsd) - minShort delay current setting (lsd) - maxShort delay current setting (lsd) - max	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 8000 V 1.9 kA 1.9 kA 2000 A 2500 A 2000 A 200 A <tr< td=""></tr<>
Technical Data - ElectricalVoltage ratingRated insulation voltage (Uin)Rated impulse withstand voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (li) - minInstantaneous current setting (li) - maxOverload current setting (lr) - maxOverload current setting (lsd) - minShort delay current setting (lsd) - maxShort delay current setting (lsd) - maxShort delay current setting (lsd) - maxShort-circuit release non-delayed setting - maxShort-circuit release non-delayed setting - max	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1.9 kA 1.9 kA 2000 A 240 A 300 A 0 A 1500 A 240 A 300 A 0 A 240 A 300 A 240 A 2500 A 240 A 300 A 0 A 240 A 340 A 240 A </td
Technical Data - Electrical Voltage rating Rated insulation voltage (Uin) Rated impulse withstand voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts Rated short-time withstand current (t = 0.3 s) Rated short-time withstand current (t = 1 s) Instantaneous current setting (li) - min Instantaneous current setting (li) - max Overload current setting (lr) - max Short delay current setting (lsd) - max Short delay current setting (lsd) - max Short delay current setting (lsd) - max Short-circuit release non-delayed setting - min Short-circuit release non-delayed setting - max Rated short-circuit breaking capacity lcs (IEC/EN 60947) at 230 V, 50/60 Hz	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 8000 V 19 kA 1.9 kA 2000 A 2500 A 2500 A 300 A 0 A 1500 A 240 A 300 A 240 A 300 A 240 A 300 A 240 A 300 A 2500 A 240 A 350 A 250 A
Technical Data - Electrical Voltage rating Rated insulation voltage (Uin) Rated impulse withstand voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts Rated short-time withstand current (t = 0.3 s) Rated short-time withstand current (t = 1 s) Instantaneous current setting (li) - min Instantaneous current setting (li) - max Overload current setting (lr) - min Overload current setting (lsd) - min Short delay current setting (lsd) - min Short delay current setting (lsd) - min Short delay current setting (lsd) - max Short-circuit release non-delayed setting - min Short-circuit release non-delayed setting - max Rated short-circuit breaking capacity lcs (IEC/EN 60947) at 230 V, 50/60 Hz Rated short-circuit breaking capacity lcs (IEC/EN 60947) at 400/415 V, 50/60 Hz	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1000 V AC 8000 V 1000 V 2000 A 1000 A 2000 A 2500 A 240 A 300 A 0 A 1500 A 2400 A 500 A 2500 A 2600 A 260 A 260 A
Technical Data - ElectricalVoltage ratingRated insulation voltage (Ui)Rated insulation voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (Ii) - minInstantaneous current setting (Ii) - maxOverload current setting (Ir) - maxOverload current setting (Ir) - maxShort delay current setting (Isd) - minShort-circuit release non-delayed setting - minShort-circuit release non-delayed setting - maxRated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 100 V AC 6000 V 8000 V 1.9 kA 1.9 kA 2000 A 2500 A 240 A 300 A 0 A 1500 A 249 A 35 kA 50 kA
Technical Data - ElectricalVoltage ratingRated insulation voltage (Ui)Rated insulation voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at auxiliary contactsRated impulse withstand voltage (Uimp) at main contactsRated short-time withstand current (t = 0.3 s)Rated short-time withstand current (t = 1 s)Instantaneous current setting (li) - minInstantaneous current setting (li) - maxOverload current setting (lr) - maxOverload current setting (lsd) - minShort delay current setting (lsd) - maxShort delay current setting (lsd) - maxShort delay current setting (lsd) - maxShort-circuit release non-delayed setting - minShort-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 400, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 525 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 50 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 50 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 50 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 50 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 50 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 50 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 50 V, 50/60 HzRated short-circuit breaking capacity Ics (IEC/EN 60947) at 600 V, 50/60 Hz </td <td>Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1000 V AC 1000 V AC 6000 V 8000 V 1000 V AC 1000 V AC 8000 V 8000 V 8000 V 19 kA 19 kA 2000 A 2000 A 2000 A 2000 A 2000 A 2100 A 2000 A 2000 A 2100 A 2100 A 2100 A 2100 A 2100 A 210 A</td>	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1000 V AC 1000 V AC 6000 V 8000 V 1000 V AC 1000 V AC 8000 V 8000 V 8000 V 19 kA 19 kA 2000 A 2000 A 2000 A 2000 A 2000 A 2100 A 2000 A 2000 A 2100 A 2100 A 2100 A 2100 A 2100 A 210 A
Technical Data - Electrical Voltage rating Rated insulation voltage (Ui) Rated insulation voltage (Uimp) at auxiliary contacts Rated impulse withstand voltage (Uimp) at main contacts Rated short-time withstand current (t = 0.3 s) Rated short-time withstand current (t = 1 s) Instantaneous current setting (li) - min Instantaneous current setting (li) - max Overload current setting (lr) - max Short delay current setting (lsd) - max Short delay current setting (lsd) - max Short-circuit release non-delayed setting - max Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 230 V, 50/60 Hz Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 440 V, 50/60 Hz Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 255 V, 50/60 Hz	Iocation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 300 A 690 V - 690 V 1000 V AC 6000 V 8000 V 1000 V AC 8000 V 1.9 kA 1.9 kA 2000 A 2500 A 2000 A 2000 A 2000 A 2500 A 240 A 300 A 0 A 1500 A 240 A 500 A 2500 A 2500 A 2500 A 2500 A 240 A 500 A 240 A 500 A 240 A 500 A 2490 A 50 kA 50 kA 50 kA 50 kA 50 kA

Rated short-circuit making capacity Icm at 525 V, 50/60 Hz	53 kA
Rated short-circuit making capacity Icm at 690 V, 50/60 Hz	40 kA
Short-circuit total breaktime	< 10 ms
Electrical connection type of main circuit	Screw connection
Isolation	300 V AC (between the auxiliary contacts) 500 V AC (between auxiliary contacts and main contacts)
Number of operations per hour - max	120
Handle type	Rocker lever
Utilization category	A (IEC/EN 60947-2)
Overvoltage category	III III III III III III III III III II
Pollution degree	3
Lifespan, electrical	5000 operations at 690 V AC-3 6500 operations at 400 V AC-3 7500 operations at 690 V AC-1 10000 operations at 415 V AC-1 10000 operations at 400 V AC-1 6500 operations at 415 V AC-3
Direction of incoming supply	As required
Technical Data - Mechanical	
Mounting Method	DIN rail (top hat rail) mounting optional Built-in device fixed built-in technique Fixed
Degree of protection	IP20 (basic degree of protection, in the operating controls area) IP20
Degree of protection (IP), front side	IP40 (with insulating surround) IP66 (with door coupling rotary handle)
Degree of protection (terminations)	IP00 (terminations, phase isolator and strip terminal) IP10 (tunnel 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 60068-2-30
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 lcn) Rated current = rated uninterrupted current: 300 A
Lifespan, mechanical	20000 operations
Technical Data - Mechanical - Terminals	
Standard terminals	Screw terminal
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)	16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection 10 mm² - 16 mm² (2x) direct at switch rear-side connection
Terminal capacity (aluminum stranded conductor/cable)	25 mm² - 50 mm² (2x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 50 mm² (1x) direct at switch rear-side connection
Terminal capacity (copper busbar)	Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection
Terminal capacity (copper solid conductor/cable)	10 mm ² - 16 mm ² (1x) at box terminal 6 mm ² - 16 mm ² (2x) at box terminal 6 mm ² - 16 mm ² (2x) direct at switch rear-side connection 10 mm ² - 16 mm ² (1x) direct at switch rear-side connection 16 mm ² (1x) at tunnel terminal
Terminal capacity (copper stranded conductor/cable)	25 mm ² - 185 mm ² (1x) at box terminal 25 mm ² - 185 mm ² (1x) direct at switch rear-side connection 25 mm ² - 70 mm ² (2x) at box terminal 25 mm ² - 70 mm ² (2x) direct at switch rear-side connection 25 mm ² - 185 mm ² (1x) at 1-hole tunnel terminal
Terminal capacity (copper strip)	Max. 10 segments of 24 mm x 0.8 mm at rear-side connection (punched) Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal 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)
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	300 A
Equipment heat dissipation, current-dependent	83.7 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	70 °C
Design verification as per IEC/EN 61439	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Additional information	
Functions	System and cable 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])

Rated permanent current lu	А	300
Rated voltage	V	690 - 690
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	50
Overload release current setting	А	240 - 300
Adjustment range short-term delayed short-circuit release	А	0 - 0
Adjustment range undelayed short-circuit release	А	2000 - 2500
Power loss	W	83.7
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