DATASHEET - NZMN3-VE630-SVE



Circuit-breaker, 3p, 630A, plug-in module

Part no. NZMN3-VE630-SVE Catalog No. 168482

Alternate Catalog NZMN3-VE630-SVE

No.

EL-Nummer (Norway)

0004357584



Similar to illustration

D	esign	verifica	tion as	per I	EC/EN	61439
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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	630
Equipment heat dissipation, current-dependent	P _{vid}	W	119.07
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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 switch gear must be observed. $\label{eq:specification}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:specification}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

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

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

protection (eci@ss10.0.1-2/-3/-04-09 [AJZ/16013])				
Rated permanent current lu	Α	630		
Rated voltage	V	690 - 690		
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	50		
Overload release current setting	Α	315 - 630		
Adjustment range short-term delayed short-circuit release	Α	630 - 6300		
Adjustment range undelayed short-circuit release	Α	1260 - 6930		
Integrated earth fault protection		No		

Device construction Suitable for DIN rail (top hat rail) mounting DIN rail (top hat rail) mounting optional Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact No		
Suitable for DIN rail (top hat rail) mounting DIN rail (top hat rail) mounting optional Number of auxiliary contacts as normally closed contact O Number of auxiliary contacts as normally open contact O Number of auxiliary contacts as change-over contact O Number of auxiliary contacts as change-over contact O No Nith switched-off indicator No Nith under voltage release No No Number of poles O No No Number of connection for main current circuit Front side Type of control element Complete device with protection unit No	Type of electrical connection of main circuit	Screw connection
Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact No No Nith switched-off indicator No Number of poles No No Number of poles Position of connection for main current circuit No Rocker lever Complete device with protection unit No Motor drive integrated No No No No No No No No No N	Device construction	Built-in device plug-in technique
Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact No With switched-off indicator With under voltage release No Number of poles Sosition of connection for main current circuit Front side Front side Rocker lever Complete device with protection unit Wotor drive integrated Motor drive optional No No No No No No No No No N	Suitable for DIN rail (top hat rail) mounting	No
Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact No With switched-off indicator No Nith under voltage release No No Number of poles Position of connection for main current circuit Type of control element Complete device with protection unit Motor drive integrated No Motor drive optional O O No No No No No No No No	DIN rail (top hat rail) mounting optional	No
Number of auxiliary contacts as change-over contact With switched-off indicator With under voltage release No Number of poles Position of connection for main current circuit Type of control element Complete device with protection unit Wotor drive integrated Motor drive optional O No No No No No No Yes	Number of auxiliary contacts as normally closed contact	0
With switched-off indicator With under voltage release No Number of poles Position of connection for main current circuit Type of control element Complete device with protection unit Motor drive optional No No No No No Yes	Number of auxiliary contacts as normally open contact	0
No Number of poles 3 3 Position of connection for main current circuit Front side Type of control element Rocker lever Complete device with protection unit Yes Motor drive optional Yes	Number of auxiliary contacts as change-over contact	0
Number of poles 2 Sposition of connection for main current circuit 3 Front side Front side Rocker lever Complete device with protection unit Wotor drive integrated Motor drive optional 3 Motor drive optional 3 Rocker lever Rocker lever Yes Motor drive optional 3 Motor drive integrated No Yes	With switched-off indicator	No
Position of connection for main current circuit Front side Rocker lever Complete device with protection unit Ves Motor drive optional Front side Rocker lever Yes Yes Yes	With under voltage release	No
Type of control element Complete device with protection unit Wotor drive optional Rocker lever Yes No Yes	Number of poles	3
Complete device with protection unit Yes Motor drive optional Yes Yes Yes	Position of connection for main current circuit	Front side
Motor drive integrated No Yes	Type of control element	Rocker lever
Motor drive optional Yes	Complete device with protection unit	Yes
·	Motor drive integrated	No
Degree of protection (IP)	Motor drive optional	Yes
	Degree of protection (IP)	IP20