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NZMN3-ME220-SVE - Circuit-breaker, 3p, 220A, plug-in module



168483 NZMN3-ME220-SVE

[Overview](#) [Specifications](#) [Resources](#)



168483 NZMN3-ME220-SVE

Circuit-breaker, 3p, 220A, plug-in module

Alternate Catalog No.

NZMN3-ME220-SVE

EL-Nummer (Norway)

4357585

Circuit-breakers of the NZM.-ME series cover all applications with only four compact sizes and are suitable for the IEC market. The mounting is always flexible due to the modular function groups. With electronic release for the motor protection with phase failure sensitivity. Notes: IEC/EN 60947-4-1, IEC/EN 60947-2, r.m.s. value measurement and thermal memory, adjustable time delay setting to overcome current peaks $t_{r:2-20}$ at 6xI_r as well as infinity (without overload release)

- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_r]

220 A

Equipment heat dissipation, current-dependent [P_{vid}]

14.52 W

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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.

10.9 Insulation properties 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.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Mtor protection circuit-breaker (EC000074)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Mtor protection circuit-breaker (ecl@ss10.0.1-27-37-04-01 [AGZ529016])
Overload release current setting
110 - 220 A
Adjustment range undelayed short-circuit release
440 - 3080 A
With thermal protection
Yes
Phase failure sensitive
Yes
Switch off technique
Electronic
Rated operating voltage
690 - 690 V
Rated permanent current I_u
220 A
Rated operation power at AC-3, 230 V
55 kW
Rated operation power at AC-3, 400 V
110 kW
Type of electrical connection of main circuit
Screw connection
Type of control element
Rocker lever
Device construction
Built-in device plug-in technique
With integrated auxiliary switch
No
With integrated under voltage release
No
Number of poles
3
Rated short-circuit breaking capacity I_{cu} at 400 V, AC
50 kA
Degree of protection (IP)
IP20
Height
215.2 mm
Width
140 mm

Depth
335 mm

CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

- [DA-CD-nznrh3_me220_sve](#)
File
(Web)

edz files

- [DA-CE-ETN.NZMN3-ME220-SVE](#)
File
(Web)

Step files

- [DA-CS-nznrh3_me220_sve](#)
File
(Web)

Product photo



[sg03815](#)

Photo

3-pole circuit-breaker, motor protection + plug-in contacts

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