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NZMH3-ME220-SVE - Circuit-breaker, 3p, 220A, withdrawable unit

168910 NZMH3-ME220-SVE

Overview Specifications Resources

168910 NZMH3-ME220-SVE

Circuit-breaker, 3p, 220A, withdrawable unit

Alternate Catalog No.	NZMH3-ME220-SVE
EL-Nummer (Norway)	4357623

Series NZM circuit-breakers cover all application cases with just four compact sizes and are suitable for the IEC market. Installation is always flexible thanks to the use of modular function groups.

- 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_n]
220 A
Equipment heat dissipation, current-dependent [P_{vid}]
14.52 W
IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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) / Motor protection circuit-breaker (EC000074)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Motor 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 Iu
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
Other
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 Icu at 400 V, AC
150 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-nzmh3_me220_sve
  File
  (Web)

edz files

- DA-CE-ETN.NZMH3-ME220-SVE
  File
  (Web)

Step files

- DA-CS-nzmh3_me220_sve
  File
  (Web)

Product photo

- 
  sg03815
  Photo
  3-pole circuit-breaker, motor protection + plug-in contacts

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