Specifications

Eaton 198274



Catalog Number: 198274

Eaton Moeller® series NAS Mains and system-protection device combination in the housing, 80A, 4p NAS80-CI-2

General specifications

Product Name
Eaton Moeller® series NAS Mains and system-protection device combination

Catalog Number
198274

EAN
4015081958337

Product Length/Depth
225 mm

Product Height
563 mm

Product Width
250 mm

Product Weight
6.8 kg

Certifications
VDE-AR-N 4105

Powering Business Worldwide

Product specifications

Number Of Poles

Four-pole

Type

Mains and system-protection device combination

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.

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.

10.2.5 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

Resources

Brochures

eaton-nas-network-and-system-protection-brochure-br01301001zen-en-us.pdf

Catalogs

Switching and protecting motors - catalog

Declarations of conformity

DA-DC-00003916.pdf

Drawings

eaton-motor-installation-protection-nas-dimensions.eps

eaton-motor-installation-protection-nas-3d-drawing-003.eps

eaton-motor-installation-protection-nas-3d-drawing.eps

Installation instructions

IL024003ZU

mCAD model

nas63_ci_2.stp

nas63_ci_2.dwg

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.

Accessory/spare part type

Other

Degree of protection

IP65

Ambient operating temperature - max

40 °C

Ambient operating temperature - min

-20 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient operating temperature (enclosed) - min

-20 °C

Ambient storage temperature - max

80 °C

Ambient storage temperature - min

-40 °C

Rated breaking capacity at 380/400 V

500 A

Rated control supply voltage (Us) at AC, 50 Hz - max

230 V

Connection type

Screw terminals

Duty factor

100 %

Terminal capacity

1 x (16 - 50) mm², solid, PE terminals
1 x (25 - 50) mm², stranded, PE terminals
1 x (2.5 - 16) mm², solid, Main cables
1 x (25 - 50) mm², flexible, PE terminals
1 x (2.5 - 35) mm², flexible, Main cables
1 x (16 - 50) mm², stranded, Main cables

Short-circuit protection rating

Max. 125 A gG/gL 500 V, Fuse, 400V

Short-circuit current

100 kA (prospective)

Power consumption

1.5 VA at AC, 50/60 Hz (power consumption of the coil in a cold state and 1.0 x Us, Sealing power)
45 VA at AC, 50/60 Hz (power consumption of the coil in a cold state and 1.0 x Us, Pick-up power)

Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)

700 A

Rated operational power at 380/400 V, 50 Hz

55 kW

Rated operational voltage (Ue) at AC - max

400 V

Protection

Central mains and system protection
NA protection to VDE-AR-N 4105

Product category

Switchgear for renewable energies

Switching time

45 ms, Opening delay, Changeover time at 100 % US (recommended value)
< 150 ms with NA protection relay, Total opening delay



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