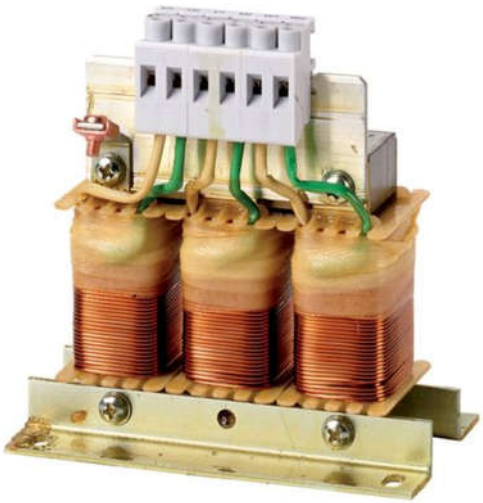
Specifications

# Eaton 269505



## Catalog Number: 269505

Eaton DX Main choke, three-phase, 550 V + 0% (50/60 Hz), V AC, 40 A, 0.64 mH

### General specifications

**Product Name**
Eaton DX Mains choke

**Catalog Number**
269505

**EAN**
4015082695057

**Product Length/Depth**
104 mm

**Product Height**
188 mm

**Product Width**
195 mm

**Product Weight**
4.8 kg

**Certifications**
IEC/EN61800-5
CSA-C22.2 No. 14
Certified by UL for use in Canada
IEC/EN61800-3
UL
UL report applies to both US and Canada
CE
CSA
UL 508C
VDE 0570 Part 2-20/2001-04
UL Category Control No.: XPTQ2, XPTQ8
UL File No.: E167225
IEC/EN 61558-2-20-2000

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## Product specifications

### Used with

DA1

DC1

DM1

### Product Category

Accessories

### Suitable as

Net reactance coil

### 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.

### 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

## Resources

### Catalogs

Product Range Catalog Drives Engineering

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

### Declarations of conformity

DA-DC-00004440.pdf

DA-DC-00004428.pdf

### Drawings

eaton-regulating-equipment-options-dx-main-choke-dimensions-006.eps

eaton-regulating-equipment-options-motor-dx-motor-choke-3d-drawing.eps

### eCAD model

DA-CE-ETN.DX-LN3-040

### Installation instructions

IL00906003Z

### Manuals and user guides

MN04020005Z_EN

MN04020003Z_EN

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.

### Fitted with:

PE stud
Terminations

### Altitude

Max. 1000 m
Max. 5000 m with current reduction

### Ambient operating temperature - max

40 °C

### Ambient operating temperature - min

-25 °C

### Rated current (Ith) at rated voltage DC - max

40 A

### Rated frequency - max

60 Hz

Rated frequency - min

50 Hz

Rated inductance

0.46 mH

Ambient storage temperature - max

85 °C

Ambient storage temperature - min

-25 °C

Equipment heat dissipation, current-dependent Pvid

59 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Number of phases

3

Mounting position

Standing vertically

Free surrounding areas > 50 mm

Suspended horizontally

Duty factor

100 %

Degree of protection

IP20

NEMA Other

Terminal capacity

20 - 6 AWG

10 mm²

Relative short-circuit voltage

2.5 %

Insulation class

B

Rated operational voltage (Ue) - max

550 V

Rated operational current (Ie) - max

40 A

Rated operational current (Ie) - min

40 A

Resonance frequency

0 Hz

Number of poles

Three-pole

Operating temperature details

-25 - 40 °C (up to 70 °C with current derating)

Rated operational current for specified heat dissipation (In)

40 A

Static heat dissipation, non-current-dependent Pvs

0 W

Voltage rating - max

480 V

Voltage sag Uk

2.5 %

Vibration resistance

0 - 150 Hz, 1 g

10 - 55 Hz, 0.35 mm

Permissible connection voltage

Max. 550 V AC (50/60 Hz)

Shock resistance

Shock duration: 11 ms

3 shocks

Suitable for

Branch circuits, (UL/CSA)

Switching frequency

0 kHz

Tightening torque

1.5 Nm, Screw terminals




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