

Specifications



Eaton 169021

Eaton DS7 Fan, for DS7 soft starter, BG3

General specifications

PRODUCT NAME	Eaton DS7 Accessory Device fan
CATALOG NUMBER	169021
MODEL CODE	DS7-FAN-100
EAN	4015081655144
PRODUCT LENGTH/DEPTH	50 mm
PRODUCT HEIGHT	210 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	0.248 kg
CERTIFICATIONS	UL/CSA certification not required

Climatic environmental conditions

**AMBIENT OPERATING
TEMPERATURE - MAX** 40 °C

**AMBIENT OPERATING
TEMPERATURE - MIN** -5 °C

Design verification

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 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

Does not apply, since the

AGAINST ELECTRIC SHOCK	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.

Features & functions

FITTED WITH:

Device fan for increasing the load cycle
Bottom fans

Resources

BROCHURES

[eaton-softstarter-s811-ds7-brochure-br039001en-en-us.pdf](#)

CATALOGUES

[eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf](#)

DRAWINGS

[eaton-semiconductor-contactors-device-ds7-device-fan-dimensions.eps](#)

[eaton-semiconductor-contactors-device-ds7-device-fan-3d-drawing.eps](#)

ECAD MODEL

[ETN.DS7-FAN-100](#)

INSTALLATION INSTRUCTIONS

[IL03902005Z2021_06.pdf](#)

MCAD MODEL

[ds7_fan_100.stp](#)
[eaton-soft-starter-accessories-mcad-drawings-ds7-fan-100.dwg](#)

MULTIMEDIA

[Soft starter DS7 up to 200 A](#)

General information

ACCESSORY/SPARE PART TYPE

Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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