

Specifications



Eaton 174241

Eaton DX Braking resistance, IP65, 100 Ω , 0.1 kW, For use with: DC1, DA1, DG1, SVX, SPX

General specifications

PRODUCT NAME	Eaton DX Braking resistor
CATALOG NUMBER	174241
MODEL CODE	DX-BR100-100
EAN	4015081707034
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	20 mm
PRODUCT WIDTH	85 mm
PRODUCT WEIGHT	0.28 kg

CERTIFICATIONS	C22.2 Certified by UL for use in Canada UL Category Control No.: NMTR2, NMTR8 UL report applies to both US and Canada UL UL File No.: E300273 UL508
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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

Electrical rating

VOLTAGE RATING - MAX 1000 V

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:	Temperature monitoring switch Connection cables (approx. 0.5 m)

General information	
ACCESSORY/SPARE PART TYPE	Breaking resistance
DEGREE OF PROTECTION	IP00 IP65
PRODUCT CATEGORY	Accessories
SUITABLE FOR	Branch circuits, (UL/CSA)
TYPE	Wire wound resistor in ceramic potting compound inside aluminum case
USED WITH	DA1 DC1 DG1 DM1

Resources

CATALOGUES

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

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

DRAWINGS

[eaton-regulating-equipment-options-dx-accessory-dimensions-003.eps](#)

[eaton-regulating-equipment-options-dx-accessory-3d-drawing-011.eps](#)

ECAD MODEL

[DA-CE-ETN.DX-BR100-100](#)

INSTALLATION INSTRUCTIONS

[eaton-powerxl-dx-br-braking-resistor-il040021zu.pdf](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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