

Specifications



Eaton 174242

Eaton DX Braking resistance, IP65, 40 Ω , 0.2 kW, For use with: DC1, DA1, DG1, SVX, SPX

General specifications

PRODUCT NAME	Eaton DX Braking resistor
CATALOG NUMBER	174242
MODEL CODE	DX-BR040-200
EAN	4015081707041
PRODUCT LENGTH/DEPTH	250 mm
PRODUCT HEIGHT	20 mm
PRODUCT WIDTH	85 mm
PRODUCT WEIGHT	0.55 kg

CERTIFICATIONS	UL File No.: E300273 UL report applies to both US and Canada Certified by UL for use in Canada UL508 UL Category Control No.: NMTR2, NMTR8 C22.2 UL
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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:	Connection cables (approx. 0.5 m) Temperature monitoring switch

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-002.eps](#)

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

ECAD MODEL

[DA-CE-ETN.DX-BR040-200](#)

INSTALLATION INSTRUCTIONS

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

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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