

Specifications



Eaton 174245

Eaton DX Braking resistance, IP20, 24 Ω , 0.72 kW, For use with: DC1, DA1, DG1, SVX, SPX

General specifications

PRODUCT NAME	Eaton DX Braking resistor
---------------------	---------------------------

CATALOG NUMBER	174245
-----------------------	--------

MODEL CODE	DX-BR024-720
-------------------	--------------

EAN	4015081707072
------------	---------------

PRODUCT LENGTH/DEPTH	260 mm
-----------------------------	--------

PRODUCT HEIGHT	100 mm
-----------------------	--------

PRODUCT WIDTH	220 mm
----------------------	--------

PRODUCT WEIGHT	3.8 kg
-----------------------	--------

CERTIFICATIONS	North America Certification: Single parts approved only
-----------------------	--

CATALOG NOTES	Resistor combination (size 1)
----------------------	-------------------------------



Powering Business Worldwide

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

Features & functions

FITTED WITH:

Connection terminals
Temperature monitoring switch

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.

General information

ACCESSORY/SPARE PART TYPE	Breaking resistance
DEGREE OF PROTECTION	IP20
PRODUCT CATEGORY	Accessories
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-008.eps eaton-regulating-equipment-options-dx-accessory-3d-drawing-012.eps
ECAD MODEL	DA-CE-ETN.DX-BR024-720
INSTALLATION INSTRUCTIONS	eaton-powerxl-dx-br-braking-resistor-il040021zu.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

