

Specifications



Eaton 174250

Eaton DX Braking resistance, IP20, 50 Ω , 0.96 kW, For use with: DC1, DA1, DG1, SVX, SPX

General specifications

PRODUCT NAME	Eaton DX Braking resistor
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CATALOG NUMBER	174250
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MODEL CODE	DX-BR050-960
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EAN	4015081707126
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PRODUCT LENGTH/DEPTH	250 mm
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PRODUCT HEIGHT	185 mm
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PRODUCT WIDTH	300 mm
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PRODUCT WEIGHT	4.9 kg
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CERTIFICATIONS	North America Certification: Single parts approved only
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CATALOG NOTES	Resistor combination (size 1)
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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

Features & functions

FITTED WITH:	Temperature monitoring switch Connection terminals
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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-005.eps eaton-regulating-equipment-options-dx-accessory-3d-drawing-012.eps
ECAD MODEL	DA-CE-ETN.DX-BR050-960
INSTALLATION INSTRUCTIONS	eaton-powerxl-dx-br-braking-resistor-il040021zu.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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