

# Specifications



## Eaton 174248

Eaton DX Braking resistance, IP65, 150  $\Omega$ , 0.2 kW, For use with: DC1, DA1, DG1, SVX, SPX

### General specifications

|                             |                           |
|-----------------------------|---------------------------|
| <b>PRODUCT NAME</b>         | Eaton DX Braking resistor |
| <b>CATALOG NUMBER</b>       | 174248                    |
| <b>MODEL CODE</b>           | DX-BR150-200              |
| <b>EAN</b>                  | 4015081707102             |
| <b>PRODUCT LENGTH/DEPTH</b> | 250 mm                    |
| <b>PRODUCT HEIGHT</b>       | 20 mm                     |
| <b>PRODUCT WIDTH</b>        | 85 mm                     |
| <b>PRODUCT WEIGHT</b>       | 0.55 kg                   |

|                       |                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CERTIFICATIONS</b> | UL File No.: E300273<br>C22.2<br>UL<br>UL report applies to both<br>US and Canada<br>Certified by UL for use in<br>Canada<br>UL Category Control No.:<br>NMTR2, NMTR8<br>UL508 |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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

|                                                                 |                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>AGAINST ELECTRIC SHOCK</b>                                   | entire switchgear needs to be evaluated.                           |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>   | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>        | Is the panel builder's responsibility.                             |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                 | Is the panel builder's responsibility.                             |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                 | Is the panel builder's responsibility.                             |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | Is the panel builder's responsibility.                             |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Is the panel builder's responsibility.                             |

| Features & functions |                                                                    |
|----------------------|--------------------------------------------------------------------|
| <b>FITTED WITH:</b>  | Temperature monitoring switch<br>Connection cables (approx. 0.5 m) |

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

## Resources

### CATALOGUES

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

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-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-BR150-200](#)

### INSTALLATION INSTRUCTIONS

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

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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