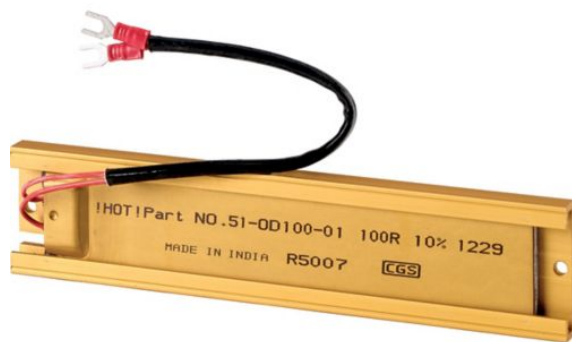


# Specifications



## Eaton 169150

Eaton DX Braking resistance, IP54, 100  $\Omega$ , 0.2 kW, For use with: DC1, DA1, DL1

### General specifications

|                      |                           |
|----------------------|---------------------------|
| PRODUCT NAME         | Eaton DX Braking resistor |
| CATALOG NUMBER       | 169150                    |
| MODEL CODE           | DX-BR3-100                |
| EAN                  | 4015081656288             |
| PRODUCT LENGTH/DEPTH | 9 mm                      |
| PRODUCT HEIGHT       | 188 mm                    |
| PRODUCT WIDTH        | 41 mm                     |
| PRODUCT WEIGHT       | 0.2 kg                    |
| COMPLIANCES          | CE                        |

## Design verification

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Meets the product standard's requirements.                                                                                       |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Meets the product standard's requirements.                                                                                       |
| <b>10.5 PROTECTION</b>                                                                  | Does not apply, since the                                                                                                        |

## Features & functions

### FITTED WITH:

Connection cable

|                                                                 |                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <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.                             |

## General information

|                                  |                                      |
|----------------------------------|--------------------------------------|
| <b>ACCESSORY/SPARE PART TYPE</b> | Breaking resistance                  |
| <b>DEGREE OF PROTECTION</b>      | IP54                                 |
| <b>PRODUCT CATEGORY</b>          | Accessories                          |
| <b>TYPE</b>                      | Wire wound resistor in aluminum case |
| <b>USED WITH</b>                 | DA1<br>DC1                           |

## Resources

|                           |                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUES                | <a href="#">eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf</a><br><a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>     |
| DRAWINGS                  | <a href="#">eaton-regulating-equipment-options-dx-accessory-dimensions-013.eps</a><br><a href="#">eaton-regulating-equipment-options-dx-accessory-3d-drawing.eps</a> |
| ECAD MODEL                | <a href="#">DA-CE-ETN.DX-BR3-100</a>                                                                                                                                 |
| INSTALLATION INSTRUCTIONS | <a href="#">IL04012024Z</a><br><a href="#">MN04020003Z_EN</a>                                                                                                        |
| MANUALS AND USER GUIDES   | <a href="#">eaton-powerxl-da1-installation-manual-mn04020005z-en-us.pdf</a>                                                                                          |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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