### **DATASHEET - DX-BR150-800**



Braking resistance, IP20, 150  $\Omega,$  0.8 kW, For use with: DC1, DA1, DG1, SVX, SPX

DX-BR150-800



Powering Business Worldwide

Part no. DX-BR150-800 Catalog No. 174262

Alternate Catalog No.

EL-Nummer 0004110084

(Norway)

### **Delivery program**

Product range			Accessories	
Accessories			Braking resistances	
Degree of Protection			IP20	
For use with			DC1, DA1, DG1, SVX, SPX	
Description			Resistor combination (size 1) with temperature monitoring switch with connection terminals	
Resistance value	R	Ω	150	
Continuous braking rating	$P_{DB}$	kW	0.8	

## Design verification as per IEC/EN 61439

EC/EN 61439 design verification	
10.2 Strength of materials and parts	
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 against electric shock	Does not apply, since the 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 Insulation properties	
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.
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.

#### **Technical data ETIM 7.0**

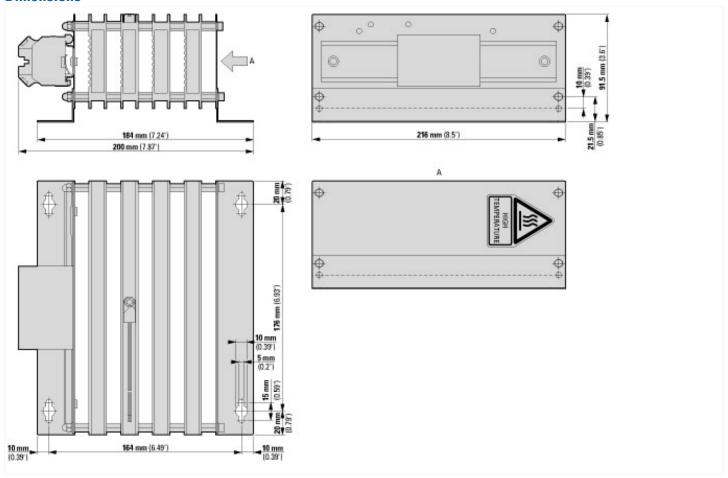
Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)

Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessory) (ecl@ss10.0.1-27-02-31-92 [AFR303003])

Type of accessory Breaking resistance

North America Certification Single parts approved only

#### **Dimensions**



### **Assets (links)**

**Declaration of CE Conformity** 

00003137

**Instruction Leaflets** 

IL040021ZU2018\_05

# **Additional product information (links)**

IL040021ZU Braking Resistor	
IL040021ZU Braking Resistor	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL040021ZU2018_05.pdf
CA04020001Z-EN Product Range Catalog: Efficient Engineering for Starting and Controlling Motors	http://www.eaton.eu/DE/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1095238.pdf