

# External braking resistor for PowerXL variable frequency drives with 24 ohms and 600 $\ensuremath{W}$



Part no. DX-BR024-600 Article no. 174267 Catalog No. DX-BR024-600

#### **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	24
Continuous braking rating	$P_{DB}$	kW	0.6

#### **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 observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

#### **Technical data ETIM 6.0**

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

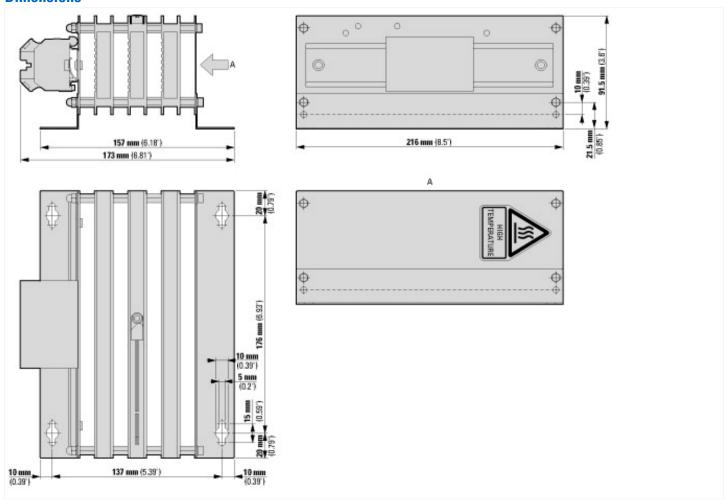
Electric engineering, automation, process control engineering / Electrical drive / Electrical drive (accessories) / Frequency controller (accessories) (ecl@ss8.1-27-02-92-01 [ACN127008])

Type of accessory Breaking resistance

#### **Approvals**

North America Certification	Single parts approved only	

### **Dimensions**



## **Additional product information (links)**

IL040021ZU	Drokina	Dociotor
1104002120	braking	nesistor

IL040021ZU Braking Resistor ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL040021ZU2014\_04.pdf

CA04020001Z-DE Sortimentskatalog: Antriebstechnik effizient gestalten, Motoren starten und steuern

 $http://www.eaton.eu/DE/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct\_1095238\_de.pdf$