

Braking resistance, IP20, 12 Ω, 5.1 kW, For use with: DC1, DA1, DL1, DG1, SVX, SPX



Part no. **DX-BR012-5K1**  
**171929**

<b>General specifications</b>		
Product name		Eaton DX Braking resistor
Part no.		DX-BR012-5K1
EAN		4015081684267
Product Length/Depth		310 millimetre
Product height		450 millimetre
Product width		400 millimetre
Product weight		15.5 kilogram
Certifications		UL report applies to both US and Canada UL File No.: E300273 UL508 UL UL Category Control No.: NMTR2, NMTR8 Certified by UL for use in Canada C22.2 UL
Product Tradename		DX
Product Type		Accessory
Product Sub Type		Braking resistor
Catalog Notes		Installed in a housing designed to prevent accidental contact and featuring a temperature monitoring switch and internal connection terminals/terminal bolts Steel grid resistor, combined
<b>General information</b>		
Accessory/spare part type		Breaking resistance
Degree of protection		IP00 IP20
Product Category		Accessories
Suitable for		Branch circuits, (UL/CSA)
Used with		DA1, DC1, DG1, DM1
<b>Electrical rating</b>		
Voltage rating - max		1000 V
<b>Design verification</b>		
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 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.
10.9.2 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 9.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for frequency controller (EC002025)			
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessories) (ecl@ss13-27-02-31-92 [AFR303008])			
Type of accessory/spare part			Breaking resistance
Accessory			Yes
Spare part			No