



Braking resistance, IP20, 50 Ω, 0.4 kW, For use with: DC1, DA1, DG1, SVX, SPX

EATON
Powering Business Worldwide™

Part no. **DX-BR050-400**
Catalog No. **174239**
Alternate Catalog No. **DX-BR050-400**
EL-Nummer (Norway) **4110061**

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	50
Continuous braking rating	P _{DB}	kW	0.4

Design verification as per IEC/EN 61439

IEC/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

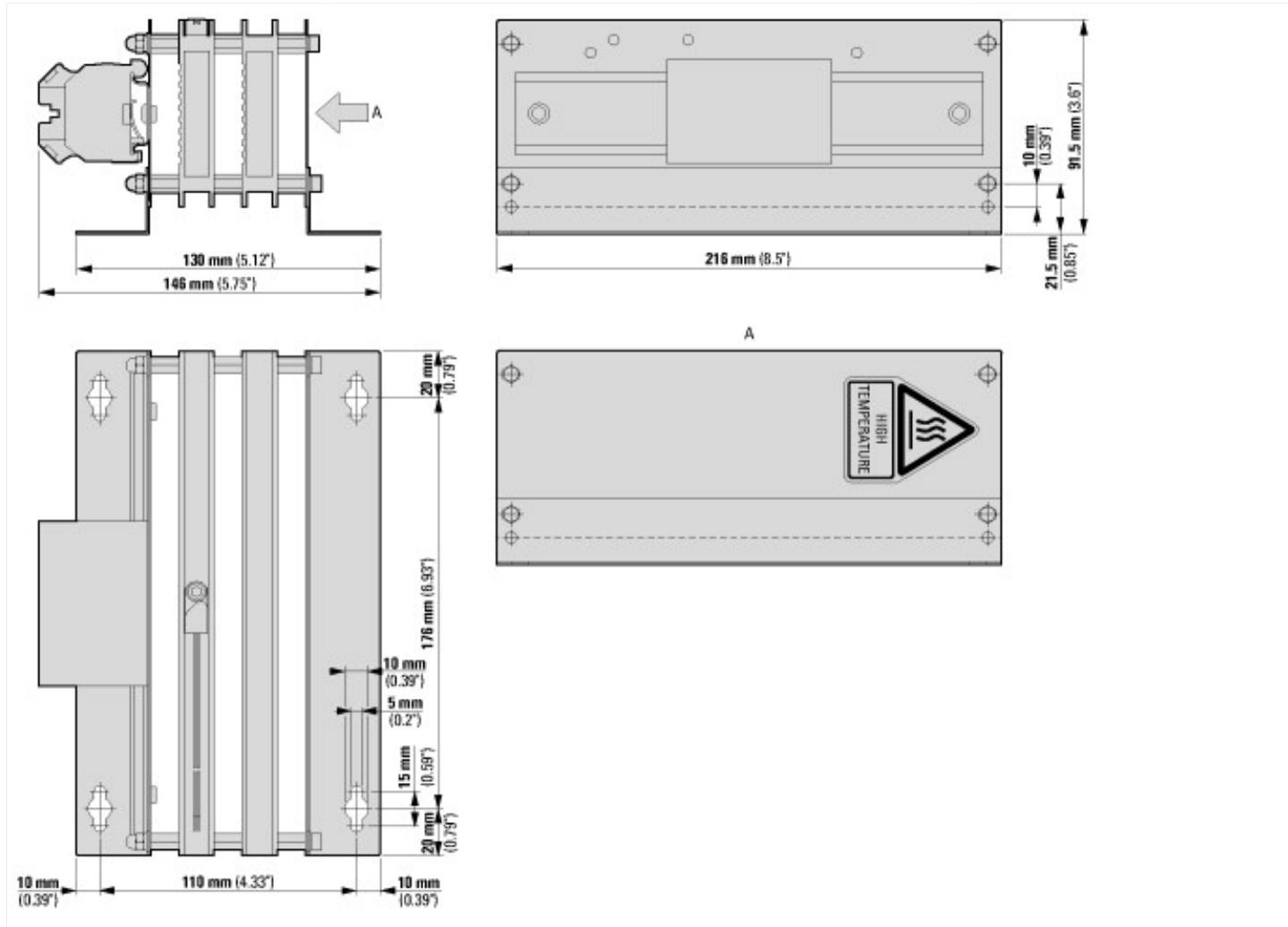
Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)	
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessory) (ecl@ss10.0.1-27-02-31-92 [AFR303003])	
Type of accessory	Breaking resistance

Approvals

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