



External braking resistor for PowerXL variable frequency drives with 20 ohms and 960 W

Part no. DX-BR100-600
Article no. 174251
Catalog No. DX-BR100-600

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 | 100 |
| Continuous braking rating | P _{DB} | kW | 0.6 |

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. |

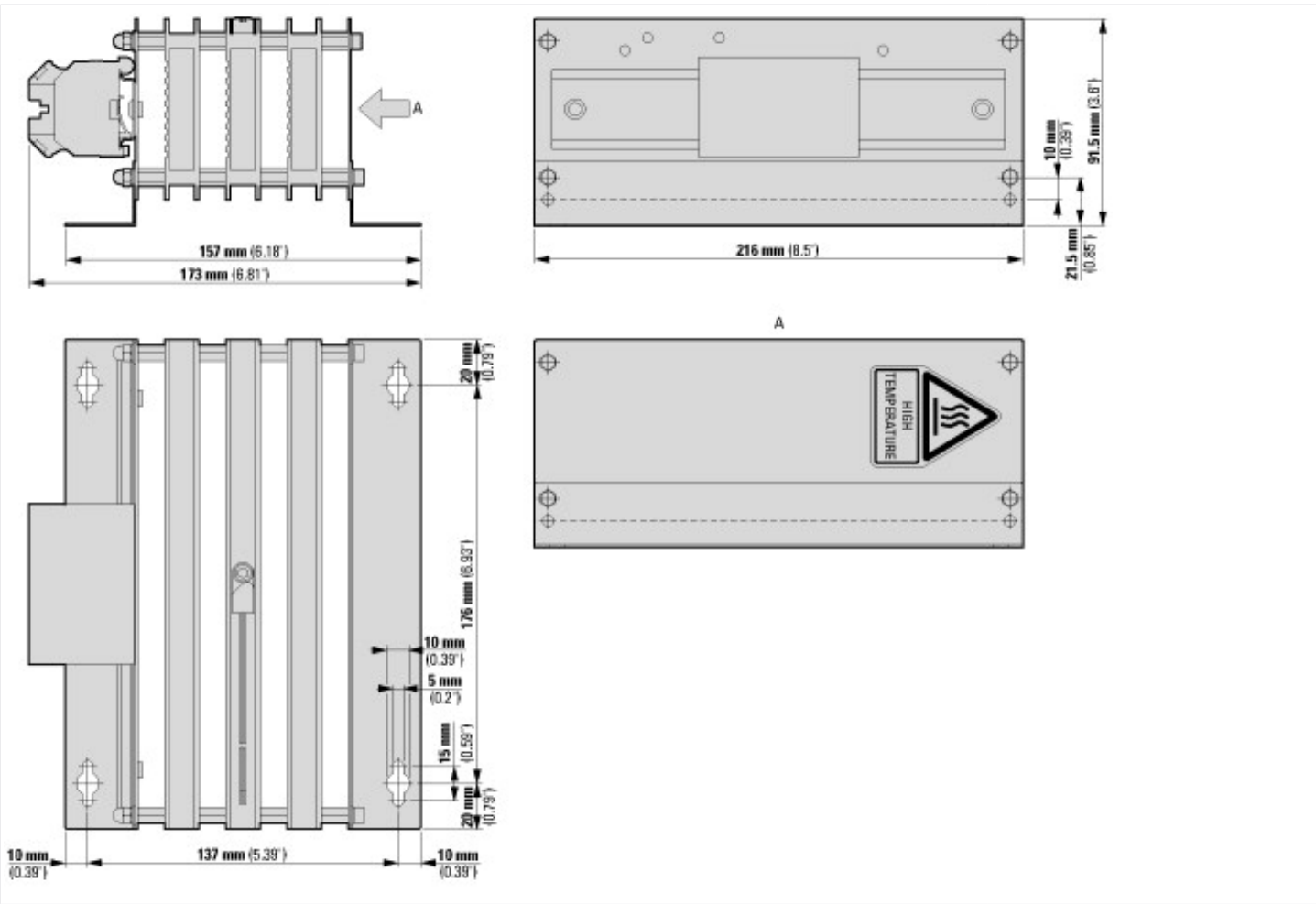
Technical data ETIM 6.0

| | | | |
|--|--|--|--------------------|
| 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 | | | Braking resistance |

Approvals

| | | | |
|-----------------------------|--|--|----------------------------|
| North America Certification | | | Single parts approved only |
|-----------------------------|--|--|----------------------------|

Dimensions



Additional product information (links)

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|--|---|
| IL040021ZU Braking Resistor | |
| 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 |