

Braking resistance, IP20, 27 Ω, 2.88 kW, For use with: DC1, DA1, DG1, SVX, SPX

Part no. DX-BR027-2880
174260
EL Number 4110082
(Norway)

| General specifications | | |
|--|--|--|
| Product name | | Eaton DX Braking resistor |
| Part no. | | DX-BR027-2880 |
| EAN | | 4015081707225 |
| Product Length/Depth | | 290 millimetre |
| Product height | | 200 millimetre |
| Product width | | 390 millimetre |
| Product weight | | 13.7 kilogram |
| Certifications | | North America Certification: Single parts approved only |
| Product Tradename | | DX |
| Product Type | | Accessory |
| Product Sub Type | | Braking resistor |
| Catalog Notes | | Resistor combination (size 2) |
| Features & Functions | | |
| Fitted with: | | Connection terminals Temperature monitoring switch |
| General information | | |
| Accessory/spare part type | | Braking resistance |
| Degree of protection | | IP20 |
| Product Category | | Accessories |
| Design verification | | |
| 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)

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|------------------------------|--|--|---------------------|
| Type of accessory/spare part | | | Breaking resistance |
| Accessory | | | Yes |
| Spare part | | | No |