

Eaton 169147

Eaton DX Motor choke, three-phase, 750 V + 0% (0 - 400 Hz), V AC, 370 A, 0.12 mH

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| PRODUCT NAME | Eaton DX Motor choke |
| CATALOG NUMBER | 169147 |
| PRODUCT LENGTH/DEPTH | 600 mm |
| PRODUCT HEIGHT | 750 mm |
| PRODUCT WIDTH | 800 mm |
| PRODUCT WEIGHT | 61.7 kg |
| CERTIFICATIONS | UL UL Category Control No.: XPTQ2, XPTQ8 UL File No.: E167225 CE CSA-C22.2 No. 14 UL 508C VDE 0570 Part 2-20/2001-04 UL report applies to both US and Canada CSA IEC/EN61800-5 IEC/EN 61558-2-20-2000 Certified by UL for use in Canada IEC/EN61800-3 |

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| USED WITH | DA1 DG1 |
| PRODUCT CATEGORY | Accessories |
| SUITABLE AS | Output reactance coil |
| 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. |
| 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 |

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| DECLARATIONS OF CONFORMITY | eaton-accessory-declaration-of-conformity-uk251053en.pdf |
| | IL00906003Z |
| | eaton-powerxl-da1-installation-manual-mn04020005z-en-us.pdf |
| | eaton-chokes-dx-motor-choke-dimensions-002.eps |
| | eaton-regulating-equipment-options-dx-main-choke-3d-drawing-004.eps |

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| | 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. |
| FITTED WITH: | PE stud Connection lugs |
| ALTITUDE | Max. 5000 m with current reduction Max. 1000 m |
| AMBIENT OPERATING TEMPERATURE - MAX | 40 °C |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| RATED CURRENT (ITH) AT RATED VOLTAGE DC - MAX | 0 A |
| RATED FREQUENCY - MAX | 400 Hz |
| RATED FREQUENCY - MIN | 0 Hz |
| RATED INDUCTANCE | 0.12 mH |
| AMBIENT STORAGE TEMPERATURE - MAX | 85 °C |
| AMBIENT STORAGE TEMPERATURE - MIN | -25 °C |
| BORE DIAMETER | 14 mm |
| EQUIPMENT HEAT DISSIPATION, CURRENT- | 685 W |

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| DEPENDENT PVID | |
| HEAT DISSIPATION CAPACITY PDISS | 0 W |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID | 0 W |
| NUMBER OF PHASES | 3 |
| MOUNTING POSITION | Free surrounding areas > 50 mm Suspended horizontally Standing vertically |
| CONNECTION LUG | Cu 40 x 5 mm ² |
| DUTY FACTOR | 100 % |
| DEGREE OF PROTECTION | IP00 NEMA Other |
| RELATIVE SHORT-CIRCUIT VOLTAGE | 20.2 % |
| INSULATION CLASS | F |
| RATED OPERATIONAL VOLTAGE (UE) - MAX | 750 V |
| RATED OPERATIONAL CURRENT (IE) - MAX | 370 A |
| RATED OPERATIONAL CURRENT (IE) - MIN | 370 A |
| RESONANCE FREQUENCY | 0 Hz |
| NUMBER OF POLES | Three-pole |
| OPERATING TEMPERATURE DETAILS | -25 - 40 °C (up to 70 °C with current derating) |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 370 A |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS | 0 W |
| VOLTAGE RATING - MAX | 480 V |
| VIBRATION RESISTANCE | 10 - 55 Hz, 0.35 mm 0 - 150 Hz, 1 g |
| PERMISSIBLE CONNECTION VOLTAGE | Max. 550 V AC (0 - 400 Hz) |
| POWER LOSS | 685 W (3 kHz) |
| SHOCK RESISTANCE | Shock duration: 11 ms 3 shocks |
| SUITABLE FOR | Branch circuits, (UL/CSA) |
| SWITCHING FREQUENCY | 3 kHz |
| TIGHTENING TORQUE | 15.5 Nm, Screw terminals |

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| PROJECT NAME: |
| PROJECT NUMBER: |
| PREPARED BY: |
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