

Eaton 269507

Eaton DX Main choke, three-phase, 550 V + 0% (50/60 Hz), V AC, 60 A, 0.31 mH

PRODUCT NAME	Eaton DX Mains choke
CATALOG NUMBER	269507
PRODUCT LENGTH/DEPTH	105 mm
PRODUCT HEIGHT	132 mm
PRODUCT WIDTH	195 mm
PRODUCT WEIGHT	5.9 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	UL 508C CSA Std. C22.2 No. 14 EN 61800-3 IEC 61800-5 VDE CE IEC/EN 61558-2-20-2000 IEC/EN61800-5 UL UL File No.: E167225 Certified by UL for use in Canada CSA-C22.2 No. 14 UL report applies to both US and Canada CSA VDE 0570 Part 2-20/2001-04 IEC/EN61800-3 UL Category Control No.: XPTQ2, XPTQ8

USED WITH	DA1
	DC1
	DM1
PRODUCT CATEGORY	Accessories
SUITABLE AS	Net 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.

DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251055en.pdf
	IL00906003Z
	eaton-powerxl-da1-installation-manual-mn04020005z-en-us.pdf
	eaton-regulating-equipment-options-dx-main-choke-dimensions-007.eps
	eaton-regulating-equipment-options-dx-main-choke-3d-drawing-002.eps

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.
FITTED WITH:	Connection lugs PE stud
FREQUENCY RATING	50-60 Hz
ALTITUDE	Max. 1000 m Max. 5000 m with current reduction
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
RATED CURRENT (ITH) AT RATED VOLTAGE DC - MAX	60 A
RATED FREQUENCY - MAX	60 Hz
RATED FREQUENCY - MIN	50 Hz
RATED INDUCTANCE	0.31 mH
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
BORE DIAMETER	7 mm

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	60 W
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 15 x 2 mm ²
DUTY FACTOR	100 %
DEGREE OF PROTECTION	IP00 NEMA Other
RELATIVE SHORT-CIRCUIT VOLTAGE	2.5 %
INSULATION CLASS	B
RATED OPERATIONAL VOLTAGE (UE) - MAX	550 V
RATED OPERATIONAL CURRENT (IE) - MAX	60 A
RATED OPERATIONAL CURRENT (IE) - MIN	60 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)	60 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
VOLTAGE RATING - MAX	480 V
VOLTAGE SAG UK	2.5 %
VIBRATION RESISTANCE	0 - 150 Hz, 1 g 10 - 55 Hz, 0.35 mm
PERMISSIBLE CONNECTION VOLTAGE	Max. 550 V AC (50/60 Hz)
SHOCK RESISTANCE	Shock duration: 11 ms 3 shocks
SUITABLE FOR	Branch circuits, (UL/CSA)
SWITCHING FREQUENCY	0 kHz

TIGHTENING TORQUE

3 Nm, Screw terminals

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

:

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