Eaton 269547

Eaton DX Motor choke, three-phase, 750 V + 0% (0 - 400 Hz), V AC, 100 A, 0.45 mH

PRODUCT NAME	Eaton DX Motor choke
CATALOG NUMBER	269547
PRODUCT LENGTH/DEPTH	215 mm
PRODUCT HEIGHT	258 mm
PRODUCT WIDTH	384 mm
PRODUCT WEIGHT	31 kg
CERTIFICATIONS	IEC/EN61800-3 IEC/EN61800-5 UL 508C UL File No.: E167225 CE Certified by UL for use in Canada IEC/EN 61558-2-20-2000 VDE 0570 Part 2-20/2001-04 UL report applies to both US and Canada UL CSA-C22.2 No. 14 CSA UL Category Control No.: XPTQ2, XPTQ8

Powering Business Worldwide

USED WITH	DG1 DA1
PRODUCT CATEGORY	Accessories
SUITABLE AS	Ripple filter choke
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

	IL00906003Z
	eaton-powerxl-da1-installation-manual-mn04020005z-en-us.pdf
	eaton-regulating-equipment-options-dx-motor-choke-dimensions-003.eps eaton-regulating-equipment-options-dx-main-choke-3d-drawing-002.eps

	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. 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	100 A
RATED FREQUENCY - MAX	400 Hz
RATED FREQUENCY - MIN	0 Hz
RATED INDUCTANCE	0.45 mH
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
BORE DIAMETER	9 mm
EQUIPMENT HEAT	177 W

DISSIPATION, CURRENT-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 Standing vertically Suspended horizontally
CONNECTION LUG	Cu 20 x 2 mm²
DUTY FACTOR	100 %
DEGREE OF PROTECTION	IP00 NEMA Other
RELATIVE SHORT-CIRCUIT VOLTAGE	0 %
INSULATION CLASS	F
RATED OPERATIONAL VOLTAGE (UE) - MAX	750 V
RATED OPERATIONAL CURRENT (IE) - MAX	100 A
RATED OPERATIONAL CURRENT (IE) - MIN	100 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)	100 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
VOLTAGE RATING - MAX	480 V
VIBRATION RESISTANCE	0 - 150 Hz, 1 g 10 - 55 Hz, 0.35 mm
PERMISSIBLE CONNECTION VOLTAGE	Max. 550 V AC (0 - 400 Hz)
POWER LOSS	177 W (3 kHz) 279 W (5 kHz) 294 W (12 kHz)
SHOCK RESISTANCE	3 shocks Shock duration: 11 ms
SUITABLE FOR	Branch circuits, (UL/CSA)

SWITCHING FREQUENCY	0 kHz
TIGHTENING TORQUE	6 Nm, Screw terminals

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:

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