

EMC filter for frequency converter, 3-phase 520 V, 400 A

Part no. DX-EMC34-400-L
Catalog No. 174615
Alternate Catalog No. DX-EMC34-400-L
EL-Nummer (Norway) 0004110116

Delivery program

Description			three-phase low leakage current
Mains voltage (50/60Hz)	U _{LN}	V	max. 520 + 10%
Rated operational current	I _e	A	400
For use with			DA1
Degree of Protection			IP00
Connection type			Flat copper bar, PE stud
Weight	m	kg	12,9
Notes			Separate mounting

Technical data

General

Standards			EN 50178, IEC 61800-3, EN 61800-3 incl. A11
Environmental conditions			
Altitude		m	Up to 2000 m a.s.l.; observe derating at higher altitudes
Degree of Protection			IP00

Design verification as per IEC/EN 61439

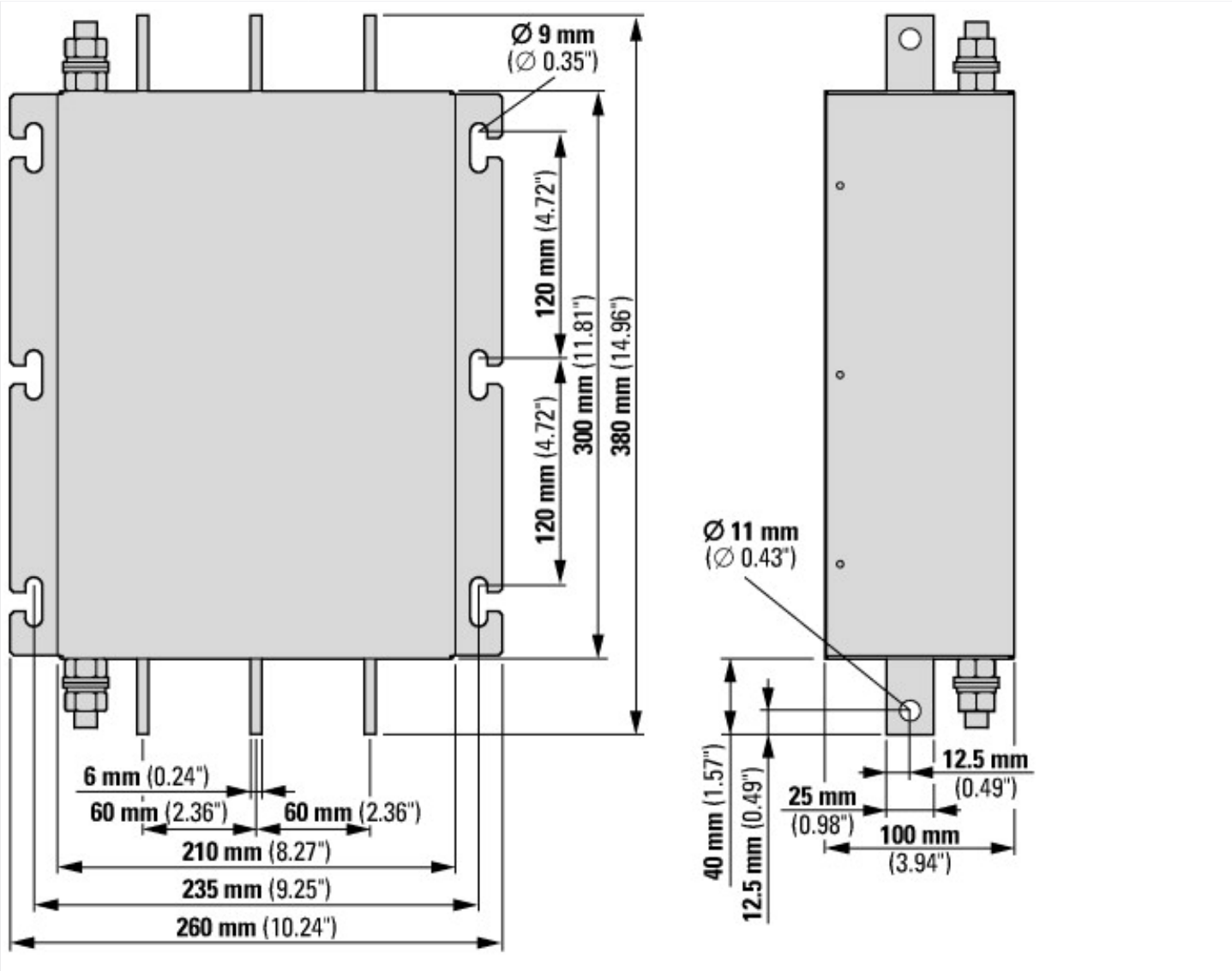
Technical data for design verification			
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	50
Degree of Protection			IP20
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion 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.

Approvals

Product Standards		UL 1283
UL File No.		E192040
North America Certification		UL listed, certified by UL for use in Canada

Dimensions



Additional product information (links)

IL04012018Z*.pdf Radio interference suppression filter for PowerXL	
IL04012018Z*.pdf Radio interference suppression filter for PowerXL	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04012018Z2020_07.pdf
MN04020005Z DA1 variable frequency drives, Installation manual	
MN04020005Z Frequenzumrichter DA1, Installationshandbuch - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04020005Z_DE.pdf
MN04020005Z DA1 variable frequency drives, Installation manual - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04020005Z_EN.pdf
MN04020005Z Convertitore di frequenza DA1, manuale Installazione - italiano	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04020005Z_IT.pdf
MN040002 PowerXL DG1 Series VFD, Installation Manual	
MN040002 PowerXL DG1 Serie VFD, Installationshandbuch - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN040002_DE.pdf

MN040002 PowerXL DG1 Series VFD, Installation Manual - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN040002_EN.pdf
MN040002 EFV PowerXL série DG1, Manuel d'installation - français	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN040002_FR.pdf
MN040002 Serie VFD PowerXL DG1, Manuale di installazione - italiano	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN040002_IT.pdf
MN040002 Napęd VFD PowerXL serii DG1, Podręcznik instalacji - polski	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN040002_PL.pdf
CA04020001Z-EN Product Range Catalog: Efficient Engineering for Starting and Controlling Motors	http://www.eaton.eu/DE/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1095238.pdf