DATASHEET - DX-EMC34-048-FS4

Radio interference suppression filter, three-phase, ULN= max. 520 + 10% V, 48 A, For use with: DA1

Part no.	DX-EMC34-048-FS4
Catalog No.	172283
Alternate Catalog No.	DX-EMC34-048-FS4
EL-Nummer (Norway)	4110044

Delivery program

Description			three-phase
Mains voltage (50/60Hz)	U_{LN}	V	max. 520 + 10%
Rated operational current	I_e	A	48
For use with			DA1
Degree of Protection			IP00 IP20 when connected
Connection type			Connection terminal, PE stud, prefabricated cables
Weight	m	kg	6,3
Notes			Base-mounted filter, side-mounting filter

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 IP20 when connected

Design verification as per IEC/EN 61439

Technical data for design verification		
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.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)	
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessory) (ecl@ss10.0.1-27-02-31-92 [AFR303003])	
Type of accessory	Filter

Dimensions
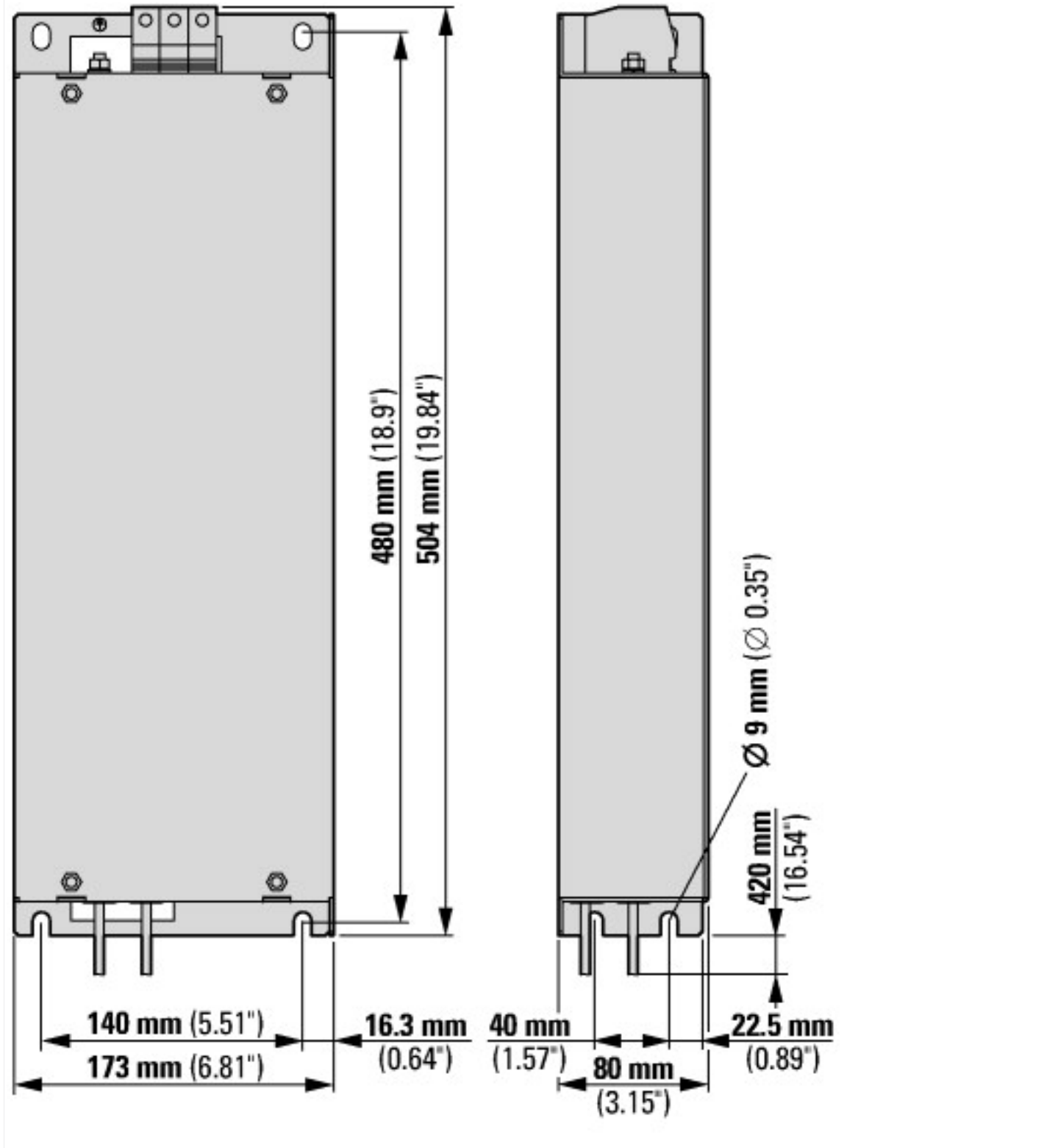
Assets (links)

Instruction Leaflets
IL04012017Z2018_05

Additional product information (links)

IL04012017Z*.pdf EMC filter	
IL04012017Z*.pdf EMC filter	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04012017Z2018_05.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