## **DATASHEET - DX-EMC34-750-L**



Radio interference suppression filter, three-phase, low leakage current, ULN= max. 520 + 10% V, 750 A, For use with: DA1

DX-EMC34-750-L Part no. 177637 Catalog No. Alternate Catalog DX-EMC34-750-L

Powering Business Worldwide

### **Delivery program**

Description			three-phase low leakage current
Mains voltage (50/60Hz)	$U_{LN}$	V	max. 520 + 10%
Rated operational current	l <sub>e</sub>	Α	750
For use with			DA1
Degree of Protection			IP00
Connection type			Flat copper bar, PE stud
Weight	m	kg	15,8
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**

Design verincation as per 126/214 01433			
Technical data for design verification			
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	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.

### **Technical data ETIM 7.0**

Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)

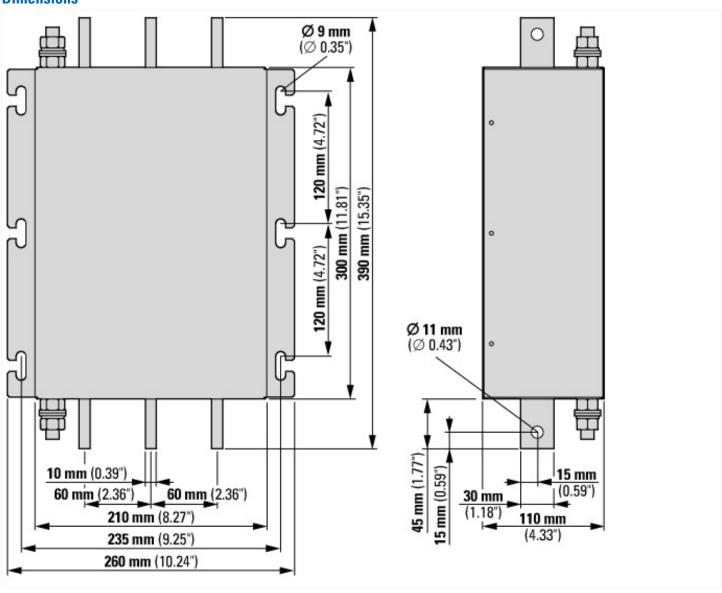
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessory) (ecl@ss10.0.1-27-02-31-92 [AFR303003])

Type of accessory Filter

## **Approvals**

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

### **Dimensions**



# Assets (links)

### **Instruction Leaflets**

IL04012018Z2018\_05

### Manuals

MN04020005Z\_EN (English)

# **Additional product information (links)**

IL04012018Z*.pdf Radio interference suppression filter for PowerXL		
IL04012018Z*.pdf Radio interference suppression filter for PowerXL	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04012018Z2018_05.pdf	
MN04020005Z DA1 variable frequency drives, Installation manual		
MN04020005Z Frequenzumrichter DA1, Installationshandbuch - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_DE.pdf	
MN04020005Z DA1 variable frequency drives, Installation manual - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_EN.pdf	
MN04020005Z Convertitore di frequenza DA1, manuale Installazione - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_IT.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	