FN5420-13-33-E2FXT ✔ ACTIVE

Schaffner | Schaffner FN5420

TE Internal #: 821697-SF

Sine Wave Filter, 500 VAC, 13 A, IP20, PD3 Pollution Degree, Wall Mount, Sinusoidal Current & Voltage <5% Ripple, Schaffner FN5420, Output Filters

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EMI & EMC Solutions > Power Quality > Output Filters > Sine Wave Filter – LC Filter for Motor Drive Efficiency and Protection



Output Filter Type: **Sine Wave Filter**

Operating Voltage (Max): **500 VAC**

Current Rating (Max): **13 A**

Pollution Degree: **PD3**

IP Rating: **IP20**

All Sine Wave Filter – LC Filter for Motor Drive Efficiency and Protection (39)

Features

Product Type Features

Output Filter Type	Sine Wave Filter

Electrical Characteristics

Typical Power Loss	123 W
Short Circuit Current Rating	100 kA
Operating Voltage (Max)	500 VAC
Current Rating (Max)	13 A

Body Features

Product Weight	7.2 kg[15.873 lb]

Mechanical Attachment

Product Mount Type	Wall Mount

Dimensions

Product Width	148 mm[5.82 in]

Product Length	195 mm[7.67 in]
Product Height	160 mm[6.29 in]

Usage Conditions

Motor Cable Length (Max)	1000 m[3280.84 ft]

Operation/Application

Operating Altitude (Max)	2000 m
Level of Output Filtering	Sinusoidal Current & Voltage <5% Ripple
Motor Frequency	200 Hz

Industry Standards

Certified To	EN 60076-6, UL/IEC/EN 61800-5-1
Pollution Degree	PD3
IP Rating	IP20
UL Flammability Rating	UL 94V-2

Other

Frame Size Code	C

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for

substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # CAT-PE4-F5420
Sine Wave Filter – LC Filter for Motor Drive Efficiency and Protection

Also in the Series | Schaffner FN5420



Output Filters(39)



Sine Wave Filters(39)

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_821697-SF_E.2d_dxf.zip
English

Customer View Model
ENG_CVM_CVM_821697-SF_E.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_821697-SF_E.3d_stp.zip
English

3D PDF
3D

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Sine Wave Filters FN5420
English

Agency Approvals

UL

English