FN3453-40-115-E2FAJRX ✔ ACTIVE

Schaffner | Schaffner Ecosine Evo

TE Internal #: 816436-SF

480 VAC, 38.5 A Motor Drive Input, 30 kW Rated Load, PD3 Pollution Degree, Ring Terminal, UL 94V-2, Schaffner Ecosine Evo, Passive Harmonic Filters

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Operating Voltage (Max): **480 VAC**

Input Termination Type: **Ring Terminal**

Output Termination Type: **Ring Terminal**

Pollution Degree: **PD3**

IP Rating: **IP20**

All FN3453 (57)

Features

Product Type Features

Input Termination Type	Ring Terminal
Output Termination Type	Ring Terminal

Electrical Characteristics

Overvoltage Category	III
Short Circuit Current Rating	100 kA
Operating Voltage (Max)	480 VAC
Motor Drive Input Current	38.5 A
Rated Load Power	30 kW

Body Features

Product Weight	43 kg[94.799 lb]

Mechanical Attachment

Product Mount Type	Wall Mount

Dimensions

Product Width	11.4 mm[.44 in]
Product Length	25 mm[.98 in]
Product Height	12.6 mm[.49 in]

Usage Conditions

Rated Voltage & Power Efficiency	>98%
Compatible with Motor Drive Type	6 Pulse Diode Rectifier
Required AC Line Reactor Value (Min)	.53
Required DC Line Inductance (Min)	1.65

Operation/Application

Cooling Method	Active Air Cooling
Target THDi @ Rated Power	<5 %
Operating Altitude (Max)	2000 m

Industry Standards

Certified To	EN 61558-2-20, UL/EN 61800-5-1
Pollution Degree	PD3
IP Rating	IP20
UL Flammability Rating	UL 94V-2

Other

Frame Size Code	E

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (92.5% in Component) TBBPA (.44% in Component) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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-PA8-F3453
FN3453

Also in the Series | Schaffner Ecosine Evo



Passive Harmonic Filters(411)

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_816436-SF_T.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_816436-SF_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_816436-SF_T.3d_stp.zip

English

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

Datasheets & Catalog Pages

Ecosine Evo FN3453

English

Agency Approvals

UL

English