

# FN2450B-16-61 ✓ ACTIVE

Schaffner | Schaffner FN2450

TE Internal #: 810021-SF

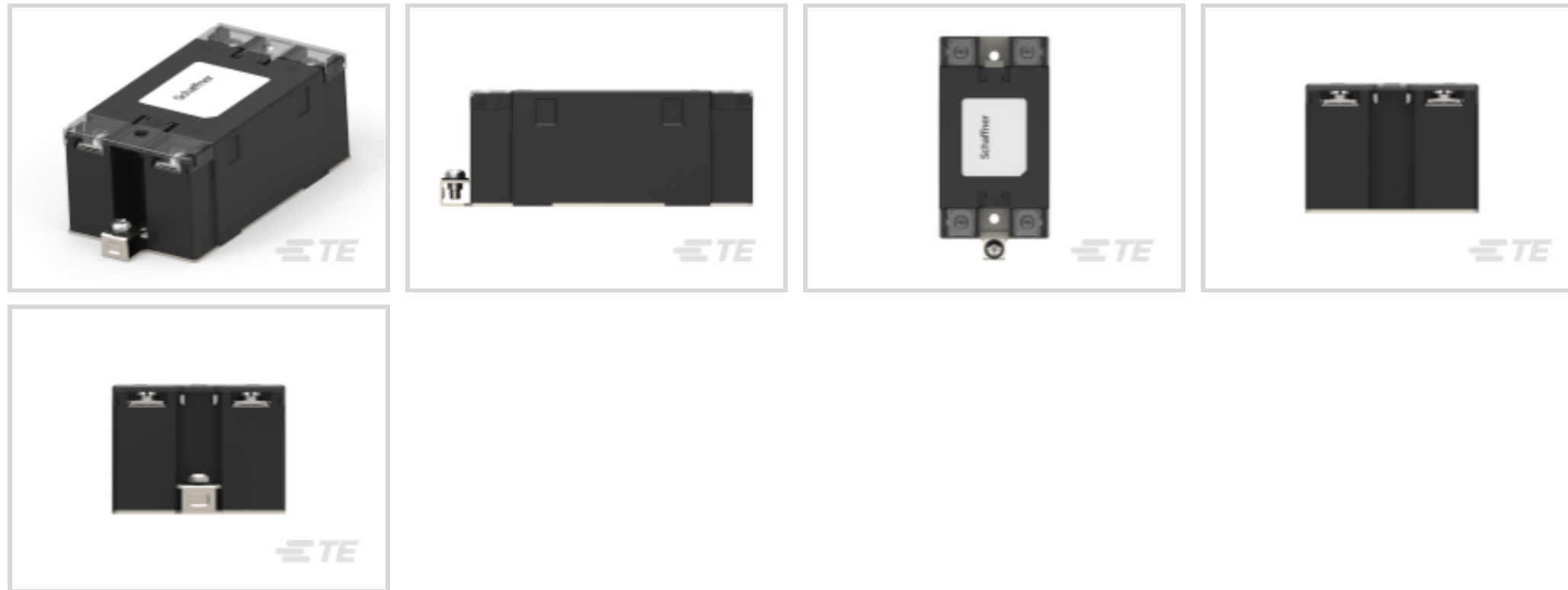
16 A Single Phase Filter, Ring Terminal Input, Ring Terminal Output, 250 VAC, Schaffner FN2450, Single Phase Filters

[View on TE.com >](#)



EMI & EMC Solutions > EMC Filters > Power Line Filters > Single Phase Filters >

Standard Performance Single Phase Filters FN2450, Safe and Ergonomic EMC/RFI Filter with Very Low Leakage Current



Current Rating: 16 A

Input Termination Type: Ring Terminal

Output Termination Type: Ring Terminal

Leakage Current (Max) (120VAC, 60Hz): 0 mA

Leakage Current (Max) (250VAC, 50Hz): 0 mA

[All Standard Performance Single Phase Filters FN2450, Safe and Ergonomic EMC/RFI Filter with Very Low Leakage Current \(12\)](#)

## Features

### Product Type Features

Filtering Requirements	Unfiltered
Input Termination Type	Ring Terminal
Output Termination Type	Ring Terminal

### Electrical Characteristics

Inductance L1	1.84 $\mu$ H
Capacitance Cx1	.47
Overvoltage Category	II
Current Rating	16 A
Leakage Current (Max) (120VAC, 60Hz)	0 mA
Leakage Current (Max) (250VAC, 50Hz)	0 mA
Operating Voltage	250 VAC

### Body Features

Product Weight	.22 kg[.486 lb]
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### Mechanical Attachment

Product Mount Type	Chassis Mount
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### Dimensions

Product Width	51 mm[2 in]
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Product Length	103 mm[4.05 in]
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Product Height	38 mm[1.49 in]
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### Usage Conditions

Operating Temperature Range	-25 – 100 °C[-13 – 212 °F]
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### Operation/Application

Cooling Method	Natural Convection
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### Industry Standards

IP Rating	IP00
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UL Flammability Rating	UL 94V-0
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Pollution Degree	PD2
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Certified To	CSA 22.2 No. 8 1986, IEC/EN 60939, UL 1283
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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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
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Not Yet Reviewed for halogen content
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Solder Process Capability	Not reviewed for solder process capability
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#### 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 # 815733-SF  
FN2410HI-16-44

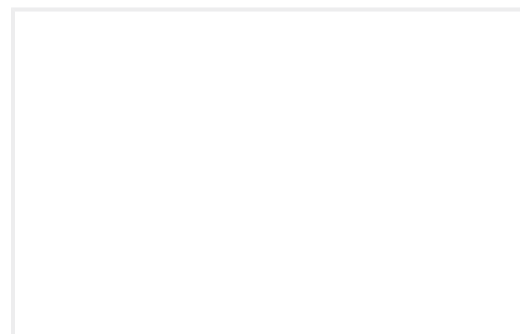


TE Part # CAT-P97-F2450  
Standard Performance Single Phase Filters FN2450, Safe and Ergonomic EMC/RFI Filter with Very Low Leakage Current

## Also in the Series | Schaffner FN2450



Medical Single Phase Filters(12)



Single Phase Filters(12)

## Customers Also Bought



TE Part #800562-SF  
FN2060-20-06



TE Part #CAT-H3930-CH8172  
DEUTSCH HD30 Housings



TE Part #NB14832001  
DWP-125-1/2-0-STK



TE Part #T4112001041-000  
M12,FEMALE,RA,A CODE,4P,PG7, GOLD



TE Part #166051-1  
24-20 AWG HD-20 SOCKET



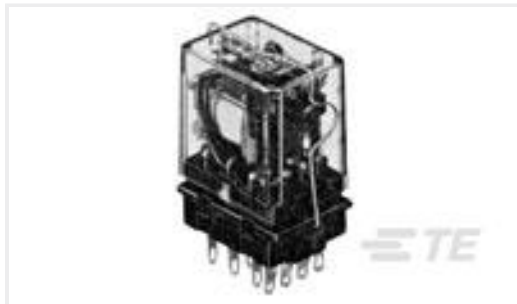
TE Part #166053-1  
COSI PIN CONTACT HD20 DF; 24-20 AWG



TE Part #2-1318118-9  
DYNAMIC D2100 REC HSG 20P Y



TE Part #8-1393113-7  
KUEP-11D15-24=KU-



TE Part #1419111-3  
20C228=SPRING,HOLD-DOWN,KUP,,0

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_810021-SF\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_810021-SF\\_B.3d\\_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_810021-SF\\_B.3d\\_igs.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[Standard Performance Single-Phase Filters FN2450](#)

English

### Agency Approvals

[Intertek SE-ENEC-2400582](#)

English