FN3042-20-61-C20-R65 ✔ ACTIVE

Schaffner | Schaffner FN3042

TE Internal #: 823558-SF

20 A 3-Phase Filter, Ring Terminal Input, Ring Terminal Output, DELTA (3 wire + ground), 530 VAC, Chassis Mount, Schaffner FN3042

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EMI & EMC Solutions > EMC Filters > Power Line Filters > 3-Phase Filters > 3-Phase Filters, Low Leakage EMC Filter for High Reliability Applications







Current Rating: **20 A**

Input Termination Type: **Ring Terminal**

Output Termination Type: **Ring Terminal**

Wiring Configuration: **DELTA (3 wire + ground)**

Operating Voltage: **530 VAC**

All 3-Phase Filters, Low Leakage EMC Filter for High Reliability Applications (24)

Features

Product Type Features

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

Configuration Features

Wiring Configuration	DELTA (3 wire + ground)

Electrical Characteristics

Leakage Current (Max) (250VAC, 50Hz)	.28 mA
Overvoltage Category	III
Current Rating	20 A
Operating Voltage	530 VAC

Body Features

Product Weight	.5 kg[1.103 lb]

Mechanical Attachment

Product Mount Type	Chassis Mount

Dimensions

Product Width	63 mm[2.48 in]
Product Length	128 mm[5.03 in]
Product Height	50 mm[1.96 in]

Usage Conditions

Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]

Operation/Application

Cooling Method	Natural Convection
Operating Altitude (Max)	2000 m

Industry Standards

IP Rating	IP00
UL Flammability Rating	UL 94V-0
Pollution Degree	PD2
Certified To	CSA 22.2 No. 8-13, UL/IEC 60939-3

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

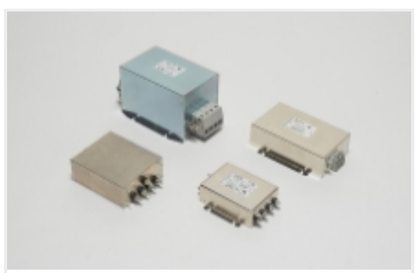
as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight 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 # 802628-SF
FN3026HP-20-71

Also in the Series | Schaffner FN3042



3-Phase Filters(9)

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_823558-SF_F.3d_stp.zip

English

Customer View Model
ENG_CVM_CVM_823558-SF_F.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_823558-SF_F.3d_igs.zip

English

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Datasheets & Catalog Pages

3-Phase Filters FN3040

English

Agency Approvals

CB SE-111921

English