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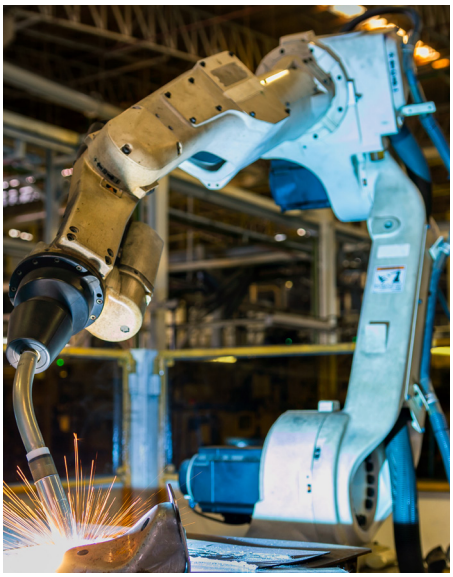
TE connectivity







SELECTOR CHART

How to find the right filter?

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All series are listed in ascending performance from **Good** → **Better** → **Best**

* - medical versions available

E - family name ending with E, (with Earth line choke)

IEC Inlet Filters

Unfiltered Inlets



SR style 15A (C20)
C style with switch 15A (C14)
P style with switch + Fuse 3A-6A (C14)

Filtered - Power Inlet



FN9222/FN9222E * 1A-20A (C14,C16,C20)
FN9226 * 1A-10A (C14,C16)
EBF style 1A-10A (C13)
FN9233/ FN9233E * 1A-15A (C14,C16)
FN9244/FN9244E * 1A-15A (C14,C16)
SRB style 15A/20A (C14,C20)
EEJ / EJH * 1A-20A (C14,C20)
IH style * 1A-15A (C18)
EJT style 1A-20A (C14,C20)
FN9274 * 1A-15A (C18)

Filtered - Power Entry Module



With fuse

GG/HG style 1A-10A (C14)
FN9260/FN261 * 1A-10A (C14)
FN9262 * 1A-10A (C14)



With switch

FN9264 * 1A-10A (C14)
FN9266 * 1A-10A (C14)



With Fuse/ Switch/ Voltage selector

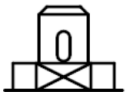
FN280 * 1A-10A (C14)
FN370 * 2A-6A (C14)
FN380 * 2A-6A (C14)
FN390 * 1A-10A (C14)
FN9280 * 1A-10A (C14)
P style * 3A-6A (C14)
FN9290 * 1A-10A (C14)
HP style * 3A-12A (C14)

Specials

FN9246
M Series *
IF13

Standard Termination Type

Quick Connect



Wire Lead



Mating parts – C13, C19 connectors, Power Cords



All series are listed in ascending Ampacity from **Low** → **High**

Common Mode Chokes

Two Line



- **RC Chokes** 0.25A-0.7A
- **RN Chokes** 0.3A-10A
- **RB Chokes** 16A-50A
- **RT Chokes** 6A-85A
- **RD Chokes** 6A-64A
- **RV Chokes (parallel)** 32A-100A
- **RV Chokes (in series)** 1A6-50A

Three Line



- **RT Chokes** 6A-85A
- **RD Chokes** 6A-64A

All series are listed in ascending Ampacity from **Low** ↓ **High**

Four Line



- **RV Chokes** 16A-50A
- **RD Chokes** 6A-64A

Special Chokes



- **ED Series** Dual Choke (Common and differential)
- **EV/EH Series** High leakage inductance
- **RR** Ring core only

Specifications:

- Voltage: Up to 600 VAC, up to 1000 VDC
- Current: 0.2 A – 85 A

Key Benefits:

- Extensive selection of discrete EMC/EMI chokes
- Various inductance and current ratings
- Ferrite and nanocrystalline core types for performance choice
- Designed easily and economically
- Build your own EMI Filter on Printed Circuit Board Assembly (PCBA) with innovative magnetic solution

All series are listed in ascending Performance from **Good** → **Better** → **Best**

* - medical versions available

Single Phase EMI Filters

Standard Performance
Single Stage Filter

FN332 1A-10A
FN2450 1A-10A
H style * 3A-15A
B style 1A-30A
HT style * 6A-15A
FN2010 * 1A-60A
K style 1A-60A (earth line choke)
FN2020 * 1A-60A
SK style 3A-40A (earth line choke)
FN2030 * 1A-30A
FN350 8A-55A
FN2410 / FN2412 8A-100A / 8A-42A (Din rail mount)

High Performance
Double Stage Filter

FN343 1A-10A (earth line choke)
FN2415 6A-20A
MV style * 3A-20A
HT/HQ style * 15A/3A-6A
R style 1A-20A (earth line choke)
FN2060 * 1A-30A
FN2070 * 1A-36A
FC style / S style 6A-50A / 3A-60A
VW Style 3A-20A
EP/VP style 3A-20A
FN2080 * 1A-16A
Q style 3A-20A
T style 3A-20A
FN2090 * 1A-30A

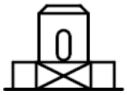
Very High Performance
Triple Stage Filter

FN700Z 6A-20A (2CM + 1DM choke)
FN352Z 6A-30A (1CM + 2DM Choke)

Lighting performance

FB / FBL / FBH style 1A-20A
MRI style (DC filter) 3A

Our single-phase filters are available with various termination options , such as

Quick Connect 

Wire Lead 

Stud 

Terminal Block 

Each families listed will have one or more termination options

Specials

Low Profile – High and Very high performance – Robotics application

FN2500 10A-32A (quick connect)	**FN2640** 10A-20A (IEC connector)
FN2520 10A-32A (quick connect)	**FN2660** 10A-20A (IEC Connector)



Three Phase EMI Filters

Standard Performance Single Stage Filter	High Performance Double Stage Filter	Very High Performance Triple Stage Filter
		

3 wire (or) Delta config.

Standard Performance	High Performance	Very High Performance
FN3030 / FN3040 1A-30A , 520V	**FN3287** 10A-160A, 530V	**FN3271** 150A-1000A, 520V
FN3025/FN3026 10A-50A , 520V	**FN3288 / FN3288HV** 10A-160A, (520V, 760V)	**FN3359 / FN3359HV** 150A-2000A (520V,760V)
FN3311/FN3310 - HV 250A-2300A, 520V , 690V		
FN351H 8A-280A , 520V		
FN3258 / FN3268 * 7A-180A , 520V		
F3270 10A-100A, 520V		
FN3100 35A-300A, 520V		
FN3120H 25A-230A, 520V		

* - FN3258 – compact design
FN3268 – RCD compatible

4 wire (or) Star config.

Standard Performance	High Performance
FN355 3A-20A	**FN354** 4A-25A
FN3256H 8A-160A	**FN3280H** 8A-600A

Specials

FN3840 – Book style for regenerative drive application

Standard Termination Type

Stud



Terminal Block



Bus Bar



Three phase filters – Schaffner product families preferred

DC EMI Filters

PV Application

EV Application



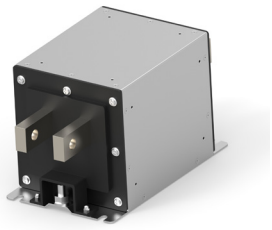
FN200
25 to 2300 A - 1200 VDC - High Performance EMC Filter for PV



FN2211 and FN2210
250 to 2300 A - 1000 VDC - EMC Filters for PV



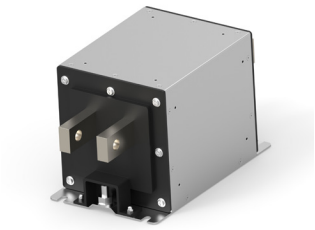
FN2220, FN2230 and FN2240
150 to 600 A - 1000 VDC - Filter for EV charging applications



EVX series
150 A - 1600 A,
500 V, 1000 V, 1500 V



FN2211HV and FN2210HV
250 to 2300 A - 1500 VDC - EMC Filter for PV



EVX series
150 A - 1600 A,
500 V, 1000 V, 1500 V

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