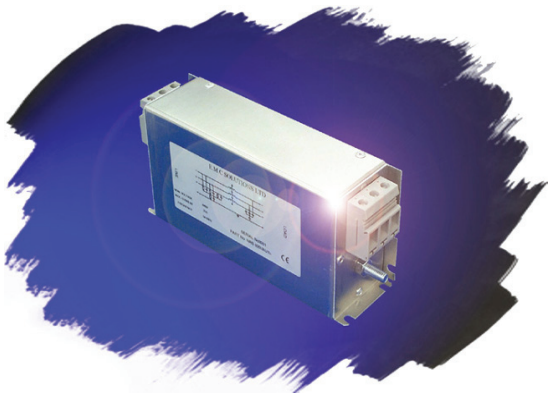
PNE DIN Range

Current Ratings: 6, 10, 16, 32 AMPS.
Operating Voltage: Single Phase, Two Phase & Three Phase. 230V to 440VA.C.

The PNE Din filter Range has been specifically designed to overcome EMC problems inherently caused by system and control panel builders, where devices such as variable speed motor drives, thyristor driven equipment, PLC's, air conditioners, fan controllers and switch mode power supplies are common place. They also benefit in applications especially where size constraints and low earth leakage is an issue.
The PNE Din series is a two-stage design in a 2-line format, with excellent suppression characteristics particularly
at 10K - 200KHz where power supplies tend not to perform and require effective attenuation.
The filter components are housed in compact chassis mounted, aluminum enclosures. Din rail connectors are added to the enclosure for din rail mounting. It is then encapsulated in a polyurethane-potting compound to give excellent protection against shock and vibration.



CE RoHS

TYPICAL APPLICATIONS

- Switched mode power supplies
- Thyristor driven equipment
- Air conditioners/Fan controllers
- Programmable logic controllers
- Variable speed motor drives
- OEM/Machinery applications

TECHNICAL ADVANTAGES

- High current capability
- Micro size
- High common & differential mode insertion loss
- Improved mid frequency performance
- Side or base mounting
- Optional input transient suppression to-
- suit application

COMMERCIAL ADVANTAGES

- Assists compliance with the EMC directive
- State of the art technology ensures superior performance
- Competitively priced
- Micro size - Reduced weight - Cost effective component

Technical Specifications

Current (Amps)	No of Lines	Operating Voltage @ 50-60Hz	Max AC Volt Drop @ Full Load	Earth Leakage uA	Inductance Per Line (Typical) mH	Storage Temp Range	Temp Rise @ Full Load	Termination Type	Dimensions								
									A	B	C	D	E	F	G	H	i
3	2	230V	<1/Line	3	6 + 3 (x2)	-25 to +85 C	<40 C	Screw terminal	120	60	40	109	30	52	24	5.2	M4 x 15mm
6					4 + 3 (x2)				120	60	40	109	30	52	24	5.2	M4 x 15mm
10					3 + 1.5 (x2)				120	60	40	109	30	52	24	5.2	M4 x 10mm
16					3 + 1 (x2)				170	80	50	160	10	30	36	5.2	M6 x 20mm
32					2 + 0.6 (x2)				170	80	50	160	10	30	36	5.2	M6 x 20mm

STANDARDS

The PNE Din range of filters is built in accordance with the relevant BS, VDE, UL, CE & CSA safety standards.
All Total EMC Products filters & power supplies are designed to meet the latest requirements for Health and Safety, Particularly EN 60939-2-2005
The PNE Din range is specifically designed to assist AC input - DC Output industrial frequency converters to meet European Emission standards. E.g. EN55011, EN55014, EN55022, EN50081-2 and EN50081-1.

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REGULATIONS

From the 15th of December 2004 all electrical/electronic apparatus - with few exceptions - sold or taken into service within the European Community must comply with the essential requirements of the EMC directive 2004/108/EC.
Failure to do so is a criminal offence in the U.K.

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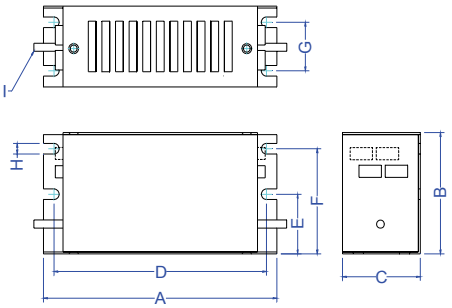
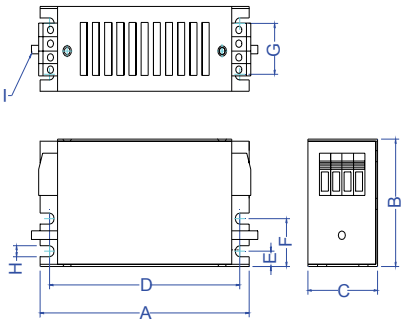
Dimensional Data

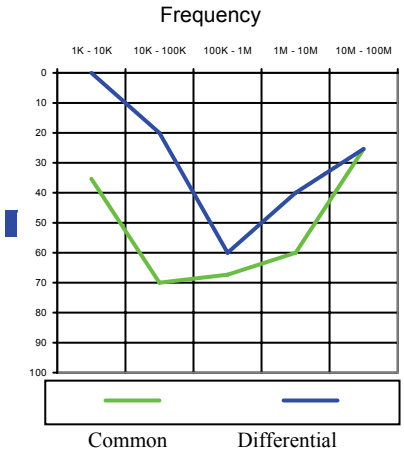
3, 6 & 10A 2 Line

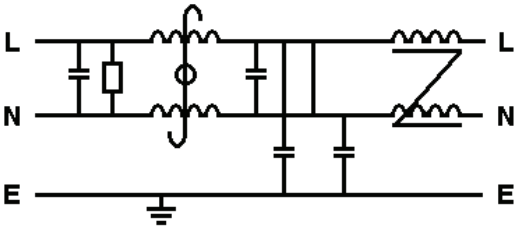


16 & 32A 2 Line



Performance characteristics insertion loss curves & Schematic





Part number / Ordering information

PNE/0**/2/2/*

PNE = Range of filter

*** = Amp Rating of filter

* = No of Lines on filter (2,3,4)

2 = No of Stages on filter

* = Options (listed below)

Options: T = Transient, H = High Performance, M = Medical,
E = Earth Line Choke, - = Neither (no options)

Example: PNE/032/2/2/- (This is a 32A 2 line 2 stage unit with no options.

In addition to the standard range of filters & power supplies, Total EMC Products specialize in the design and manufacture of filters to suit your specific requirements.
Due to continuous development Total EMC Products Ltd reserve the right to amend any information contained within this datasheet without prior notice.

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