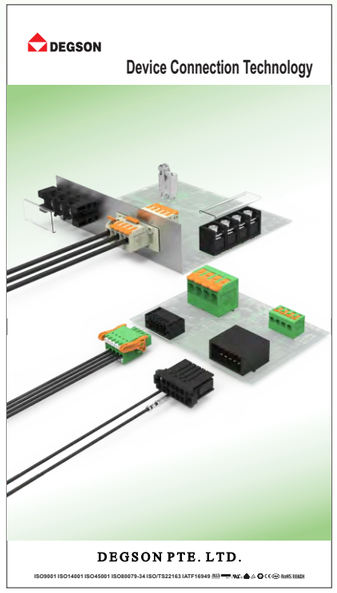
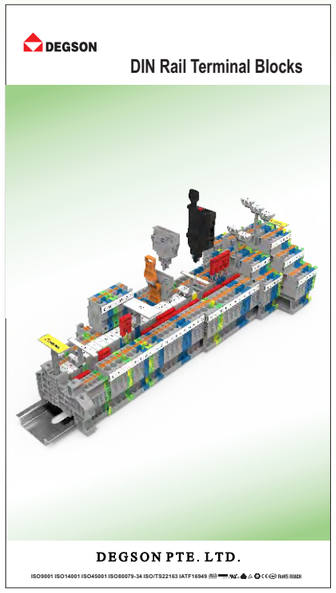
DEGSON-Global Industrial Connector Manufacturer, Providing Customized Solution To All Partners.





DEGSON

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www.degson.com

Tel: +0065-69808477

E-mail: sale@degson.

The catalog is for reference purpose only and details are base on company's specifications

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DFUL 23-E01

DEGSON

EMC/EMI Filters

ISO9001 ISO14001 ISO45001 ISO80079-34 ISO/TS22163 IATF16949 RoHS REACH

BRIEF INTRODUCTION

01

DEGSON was founded in 1990.DEGSON is a world-renowned manufacturer of overall solutions for industrial connectors. DEGSON'S laboratory is UL-CTDP (USA)and VDE-TDAP(Germany) dual accreditation laboratory ,it is also a CNAS laboratory. The company achieved ISO9001, ISO14001, ISO45001, ISO80079-34, ISO/TS22163 and IATF16949 management system certifications.

02

DEGSON is engaged in supplying highly reliable and durable products to serve global customers. The company has a market-leading capability of mould processing, automatic manufacturing and advanced testing. DEGSON has the complete engineering ability to support global customers with the professional customization solution and value-added service.

03

DEGSON products are widely recognized in China, the USA, Germany, the UK, Italy, Spain, Turkey, Japan, South Korea, Singapore, etc. totally hundred countries and regions. DEGSON supply high quality products and provide professional services globally in the industry sectors likely industrial automation, instrument, electric power, railway, marine and offshore, new energy, E-bike industrial elevator, lighting, security, machinery, etc. The company won the recognition from partners among Fortune 500 and industry leading enterprises.

04

Based on the core values of "Clients First, Win-win Strategy, Responsibility Integrity, Excellence Pursuit", DEGSON continuously integrates professional technical resources, R&D innovation, product manufacturing and technology application capabilities. Relying on global sales network, DEGSON aims to supply series of multiple varieties of high-quality products and services. We provide global customers with professional and quick connected application solutions, help customers continue to create value. DEGSON is making contributions to creating a smart and interconnected world.

DEGSON Global Production Base and R&D Center

China site

High-tech zone site

Vietnam site

Nanjing R&D Center

Luoyang R&D Center

DEGSON products are very popular more than 100 countries and areas.

UL-CTDP (USA), VDE-TDAP (Germany) and CNAS labs

Strategic cooperation with UL and VDE

1 | 2

3

① The general manager of UL global energy &technology division visit our company

② Sven Ohrke, President of VDE global services, comes to DEGSON to discuss strategic cooperation

③ VDE Laboratory Accreditation: In July 2010, VDE Issued the "VDE Authorized Laboratory" Certificate to DEGSON′ s laboratory.

UL laboratory accreditation: UL formally issued "UL WTDP" certification to DEGSON in March 2013.
On April, 2016, UL-CTDP.
On December, 2016, VDE-TDAP.
On January, 2017, Pass IRIS system audit.

ISO9001

ISO14001

IATF16949

ISO/TS 22163

UL - CTDP

VDE - TDAP

CNAS certificate

EX certificate

UL Certificates:10,Covering 4000+Products

VDE Certificates:178,Covering 3000+Products

TUV certificate

European invention patent

CONTENTS

AC Single Phase Filters

DFUL-1P-N Series

Introduction

- Rated current: 0.5-50A selectable
- Option for medical equipment specialized type (H-type)
- Various lead-out methods such as leads, solder tabs, bolts, and terminals are selectable
- Customized products available

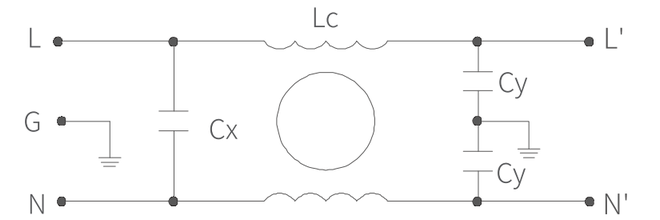
Features

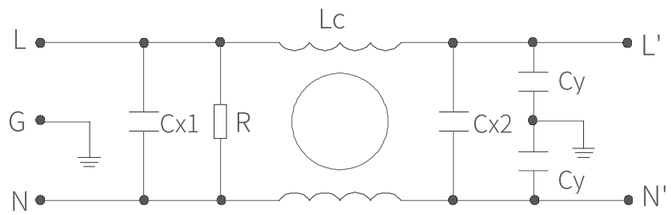
- Standard AC single-phase power line filter, with a good filtering effect, effectively filtering range from 150KHz to 30MHz;
- Compact structure, high cost-effectiveness, safety and convenience, more reliable;
- The DFUL-1P-N series adopts a first-stage common mode filtering circuit design, with both having similar filtering effects, differing only slightly based on current;
- 380VAC and above (including) high operating voltage products can be selected;

Application

- Electronic Electrical Equipment
- Household Appliances
- Data Communication Equipment
- Consumer Electronics
- Medical Equipment
- Office Automation Equipment

Circuit Diagram





DFUL-1P-N Series

Technical Parameters

Rated Voltage VR	110/250VAC
Operating Frequency FR	50/60HZ
Rated Current IR	0.5~50A@40°C
Test Voltage Vtest	1760VDC, 3S (L-L); 2000VAC, 3S (L-G)
Climatic Category (IEC 60068-1)	25/085/21 (-25°C/+85°C humidity test 21 days)

Product List

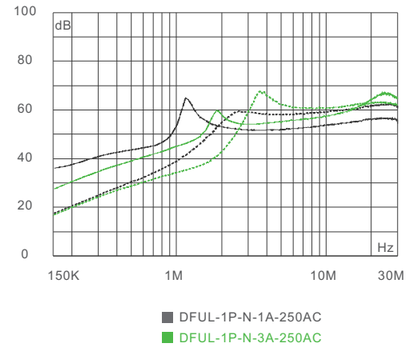
Product Model	Rated Current [A]	Leakage Current [mA] 250VAC/50Hz @20°C	Connection Method -S	Connection Method -L	Connection Method -W	Connection Method	Weight [g]
DFUL-1P-N-1A-250AC	1	<0.6	---	---	○	---	65
DFUL-1P-N-3A-250AC	3	<0.6	---	---	○	---	65
DFUL-1P-N-6A-250AC	6	<1.0	M4	○	---	---	120
DFUL-1P-N-10A-250AC	10	<1.0	M4	○	---	---	170/140
DFUL-1P-N-20A-250AC	20	<1.0	M4	○	---	---	170/140
DFUL-1P-N-30A-250AC	30	<1.0	M6	---	---	○	280/320
DFUL-1P-N-40A-250AC	40	<3.0	M6	---	---	○	550/400
DFUL-1P-N-50A-250AC	50	<3.0	M6	---	---	○	600/550

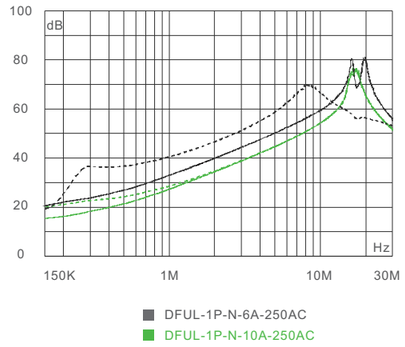
Insertion Loss (dB)

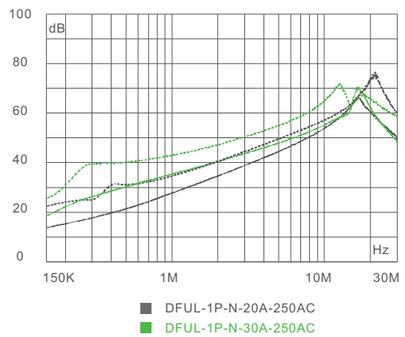
——— Common Mode

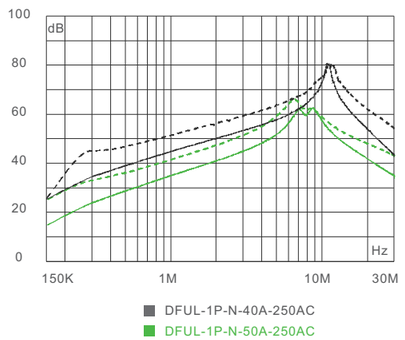
- - - - Differential Mode

Note: Insertion loss is based on UL1283 standard, measured under no-load condition in a 50Ω-50Ω system. Actual performance should be based on data in actual working conditions.

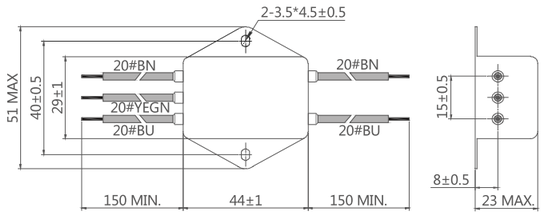




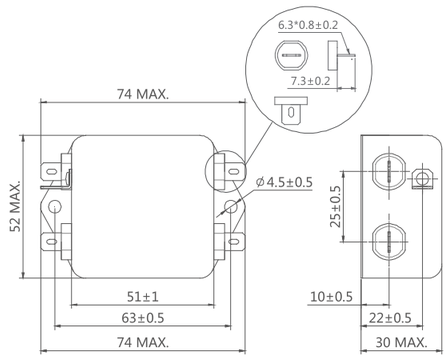




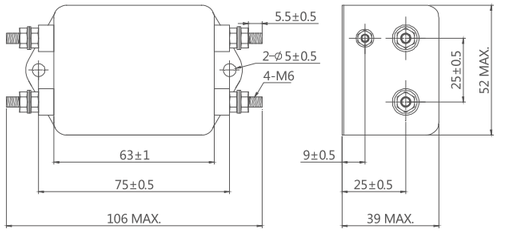
Dimensional Drawing (mm)



DFUL-1P-N-1A-250AC
DFUL-1P-N-3A-250AC



DFUL-1P-N-6A-250AC
DFUL-1P-N-10A-250AC
DFUL-1P-N-20A-250AC



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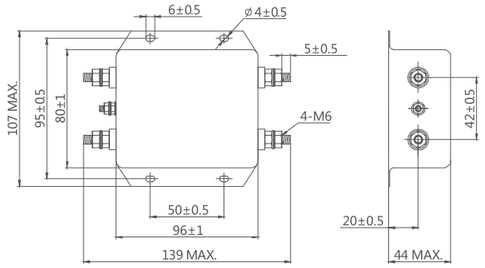
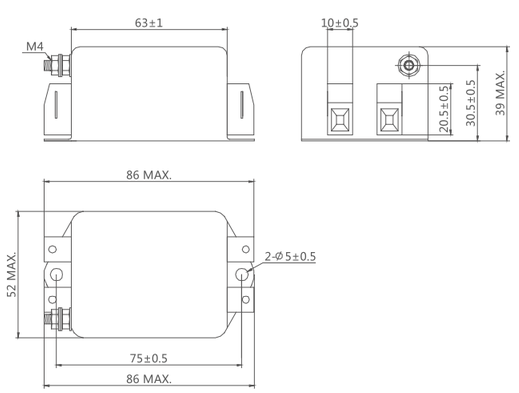


DFUL-1P-N-40A-250AC
DFUL-1P-N-50A-250AC

Dimensional Drawing (mm)

Terminal Series



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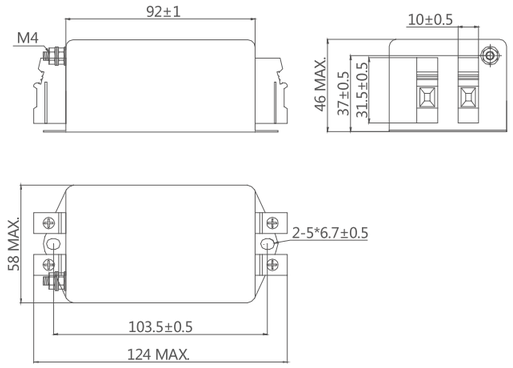

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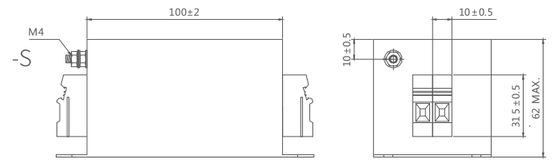
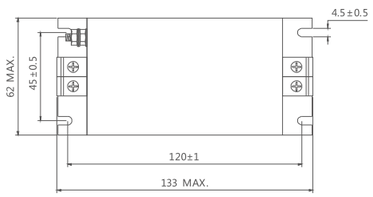




DFUL-1P-N-50A-250AC

AC Three-Phase Three-Wire Filters

DFUL-3P-N Series

Introduction

- Rated current: 5~150A selectable
- Option for medical equipment specialized type (H-type)
- Options for terminals like tabs, bolts, terminal blocks (copper busbars are used for current above 250A)
- Customizable according to customer requirements

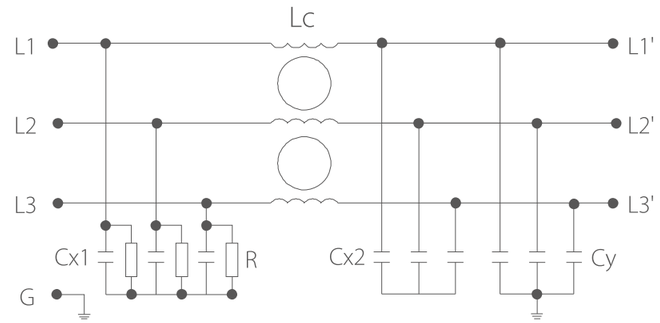
Features

- Applicable to three-phase three-wire power supply system
- Compact size, high cost-effectiveness, easy installation, especially suitable for products with limited space
- DFUL-3P-N series adopts a first-level common-mode filter circuit design, a general type three-phase three-wire system filter
- Good common-mode and differential-mode filtering effects within the range of 150KHz~30MHz
- Selectable for 520VAC, 690VAC, and above high working voltage products

Application

- Widely applicable to various power equipment connected in Δ (delta) configuration
- Used in printing equipment, packaging machine equipment
- Textile machinery, industrial air conditioning
- UPS, medical equipment

Circuit Diagram



DFUL-3P-N Series

Technical Parameters

Rated Voltage VR	250/440VAC
Operating Frequency FR	50/60Hz
Rated Current IR	5~150A@40°C
Test Voltage Vtest	2250VDC, 3S (L-L); 2700VDC, 3S (L-G)
Climatic Category (IEC 60068-1)	25/085/21 (-25°C/+85°C humidity test 21 days)

Product List

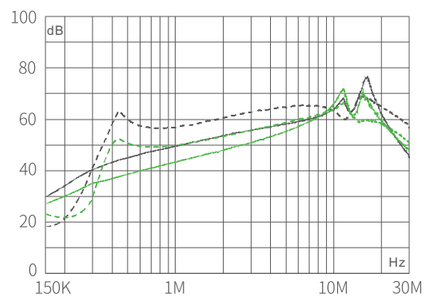
Product Model	Rated Current [A]	Leakage Current [mA] 250VAC/50Hz @20°C	Connection Method		Weight [g]
			-S		
DFUL-3P-N-5A-440AC	6	<1.5	M4	○	340/310
DFUL-3P-N-10A-440AC	10	<1.5	M4	○	350/320
DFUL-3P-N-20A-440AC	20	<1.5	M4	○	380/330
DFUL-3P-N-30A-440AC	30	<1.5	M6	○	590/540
DFUL-3P-N-50A-440AC	50	<1.5	M6	○	740/660
DFUL-3P-N-65A-440AC	65	<4.5	M6	○	1220/1540
DFUL-3P-N-80A-440AC	80	< 7.5	M8	○	3250/3300
DFUL-3P-N-100A-440AC	100	<7.5	M8	○	3150/3110
DFUL-3P-N-150A-440AC	150	< 30.0	M10	○	3900/4000

Insertion Loss (dB)

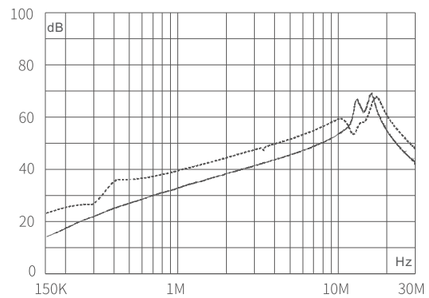
——— Common Mode

- - - - Differential Mode

Note: Insertion loss is based on UL1283 standard, measured under no-load condition in a 50Ω-50Ω system. Actual performance should be based on data in actual working conditions.



■ DFUL-3P-N-5A-440AC
■ DFUL-3P-N-10A-440AC



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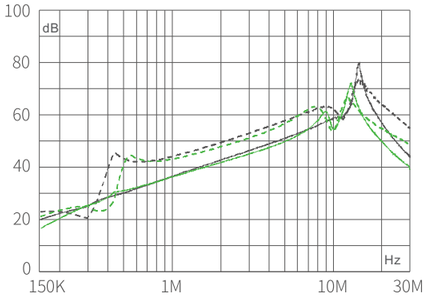

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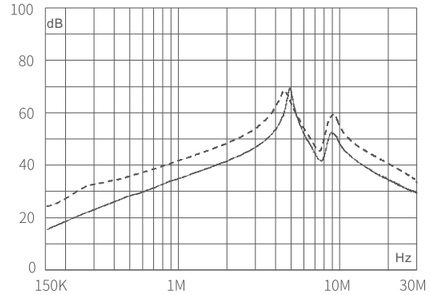
■ DFUL-3P-N-30A-440AC



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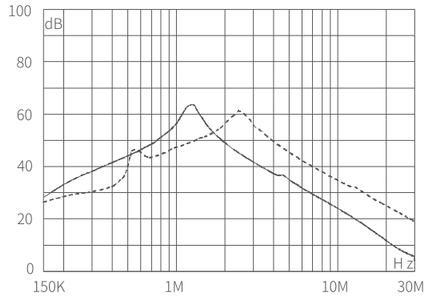

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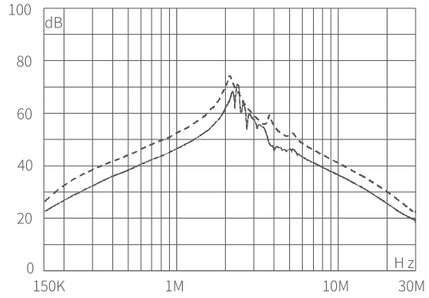

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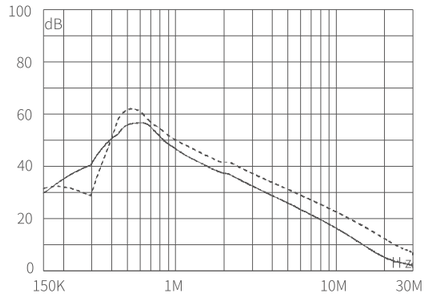
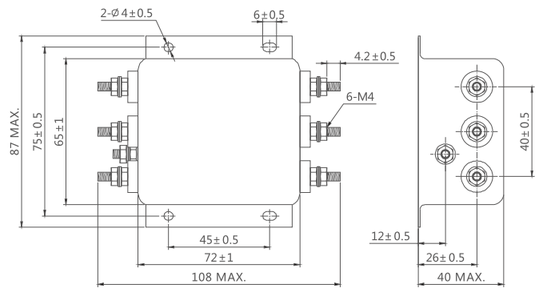
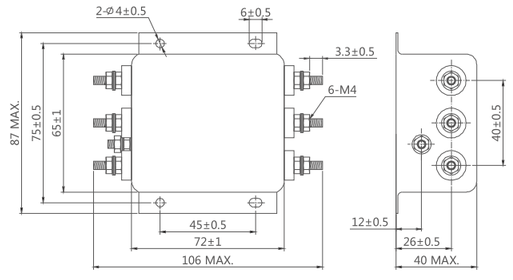


■ DFUL-3P-N-150A-440AC

▢ Dimensional Drawing (mm)



DFUL-3P-N-5A-440AC
DFUL-3P-N-10A-440AC



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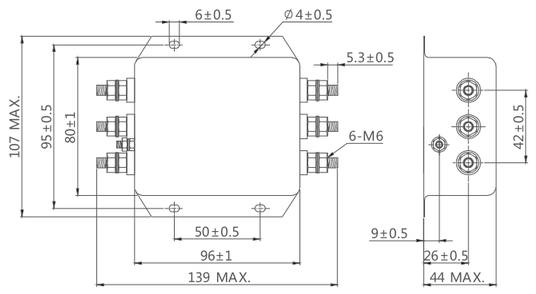

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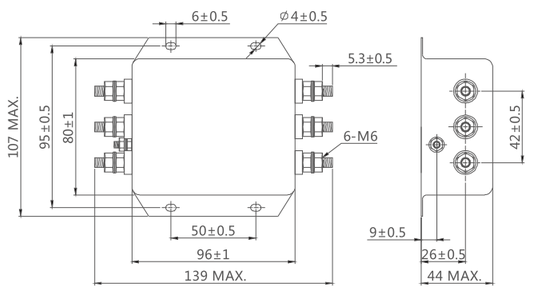

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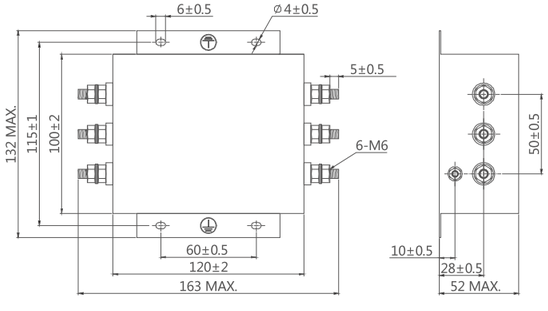
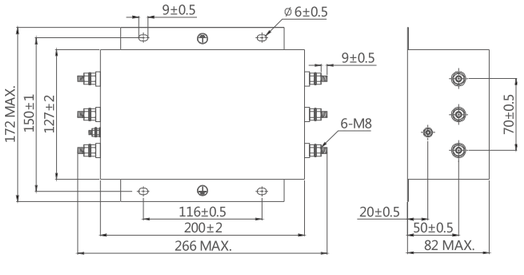
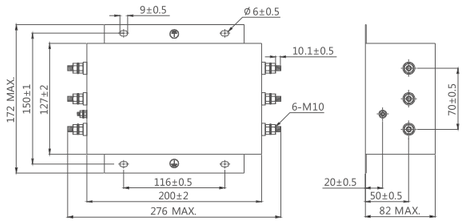


DFUL-3P-N-65A-440AC



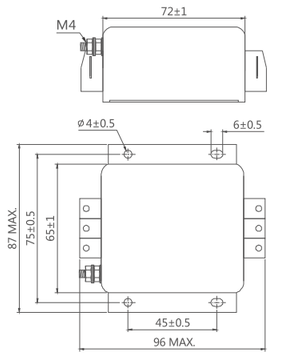
DFUL-3P-N-80A-440AC
DFUL-3P-N-100A-440AC

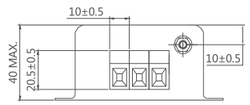


DFUL-3P-N-150A-440AC

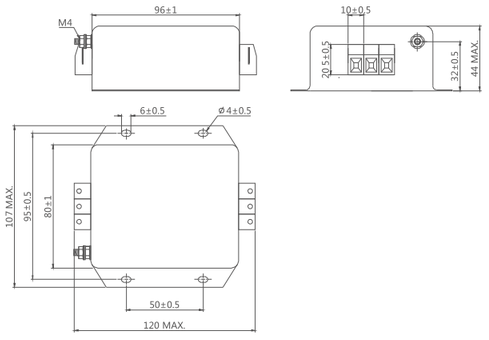
Dimensional Drawing (mm)

Terminal Series





DFUL-3P-N-5A-440AC
DFUL-3P-N-10A-440AC
DFUL-3P-N-20A-440AC



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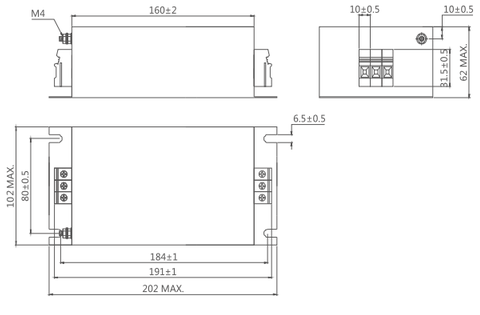

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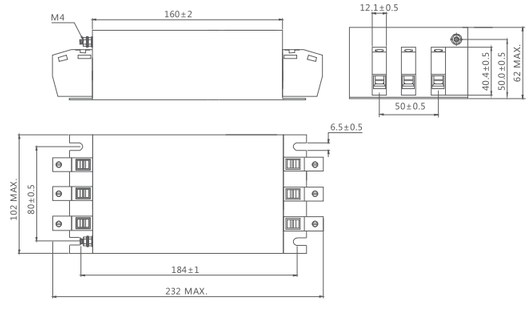

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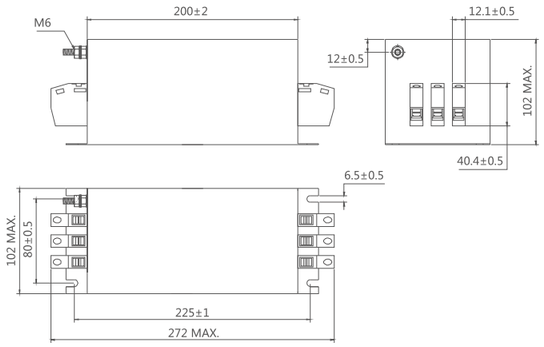

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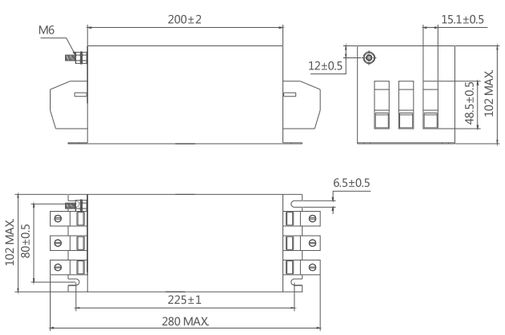

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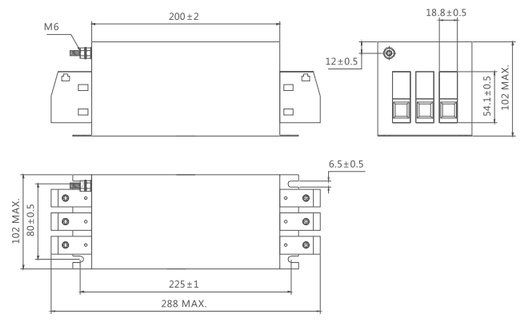


DFUL-3P-N-150A-440AC

AC Three-Phase Four-Wire Filters

DFUL-4P-N Series

Introduction

- Rated current: 5~150A selectable
- Option for medical equipment specialized type (H-type)
- Options for terminals like tabs, bolts, terminal blocks (copper busbars are used for current above 250A)
- Customizable according to customer requirements

Features

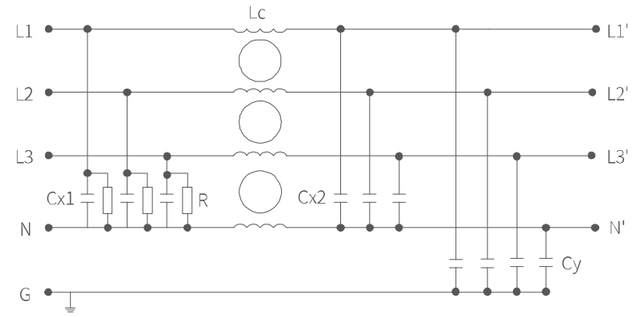
- Applicable to three-phase power supply system with neutral wire
- Compact size, high cost-effectiveness, easy installation, especially suitable for products with limited space
- DFUL-4P-N series adopts a first-level common-mode filter circuit design, a general type three-phase four-wire system filter
- Good common-mode and differential-mode filtering effects within the range of 150KHz~30MHz

Application

- Machine tool equipment
- Frequency conversion equipment
- Automation equipment
- Inverter power supply
- Machinery equipment
- Electronics equipment powered by three-phase four-wire power supply system like medical equipment

DEGSON
AC Three-Phase Four-Wire Filters

Circuit Diagram



DFUL-4P-N Series

Technical Parameters

Rated Voltage VR	440VAC
Operating Frequency FR	50/60Hz
Rated Current IR	5~150A@40°C
Test Voltage Vtest	2250VDC, 3S (L-L); 1760VDC, 3S (L-G)
Climatic Category (IEC 60068-1)	25/085/21 (-25°C/+85°C humidity test 21 days)

Product List

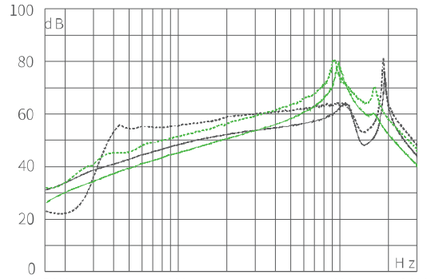
Product Model	Rated Current [A]	Leakage Current [mA] 250VAC/50Hz @20°C	Connection Method			Weight [g]
			-S	-L		
DFUL-4P-N-5A-440AC	5	< 2.0	M4	---	○	550/600
DFUL-4P-N-10A-440AC	10	< 2.0	M4	---	○	560/680
DFUL-4P-N-20A-440AC	20	< 2.0	M4	---	○	550/500
DFUL-4P-N-30A-440AC	30	< 2.0	M6	---	○	700/650
DFUL-4P-N-50A-440AC	50	< 10.0	M6	---	○	1300/1500
DFUL-4P-N-65A-440AC	65	< 10.0	M6	---	○	1700/1900
DFUL-4P-N-80A-440AC	80	< 16.0	M8	---	○	2950/2750
DFUL-4P-N-100A-440AC	100	< 16.0	M8	---	○	3100/3700
DFUL-4P-N-150A-440AC	150	< 40.0	M10	---	○	3800/4400

Insertion Loss (dB)

——— Common Mode

- - - - Differential Mode

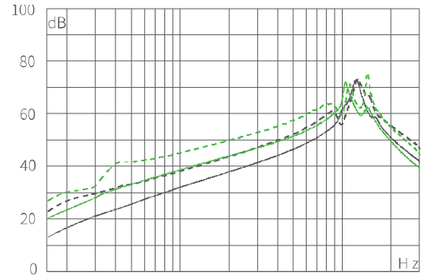
Note: Insertion loss is based on UL1283 standard, measured under no-load condition in a 50Ω-50Ω system. Actual performance should be based on data in actual working conditions.



DFUL-4P-N-5A-440AC
DFUL-4P-N-10A-440AC

DFUL-4P-N-50A-440AC

DFUL-4P-N-100A-440AC

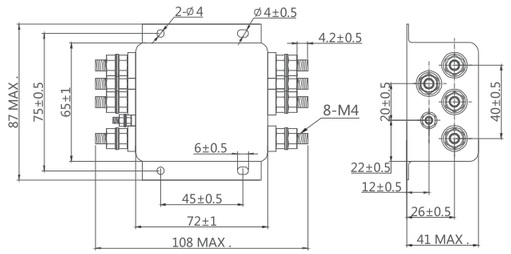


DFUL-4P-N-20A-440AC
DFUL-4P-N-30A-440AC

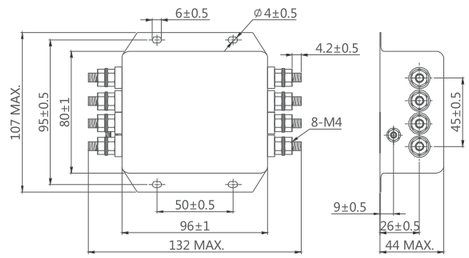
DFUL-4P-N-65A-440AC
DFUL-4P-N-80A-440AC

DFUL-4P-N-150A-440AC

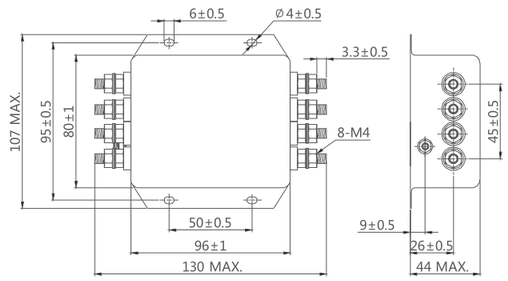
Dimensional Drawing (mm)



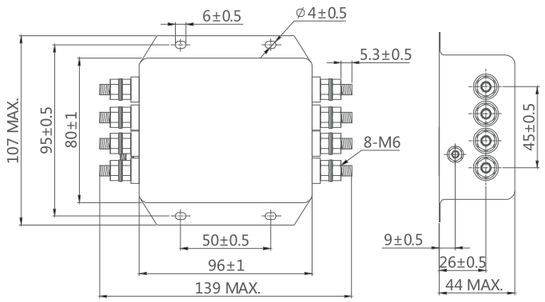
DFUL-4P-N-5A-440AC



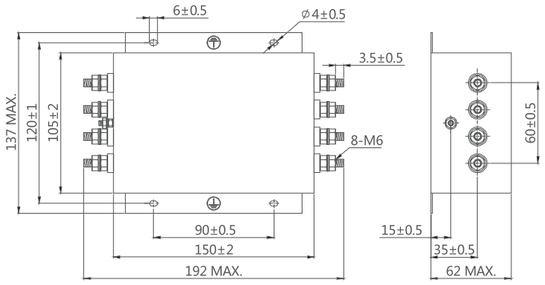
DFUL-4P-N-10A-440AC



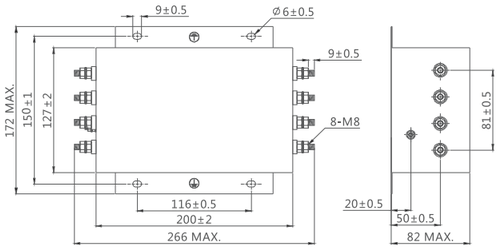
DFUL-4P-N-20A-440AC



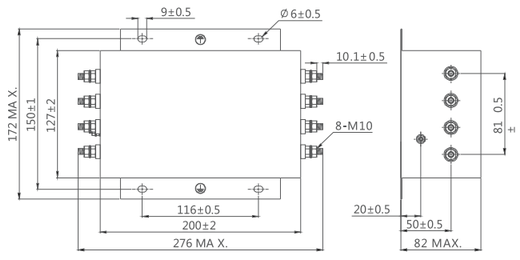
DFUL-4P-N-30A-440AC



DFUL-4P-N-50A-440AC
DFUL-4P-N-65A-440AC



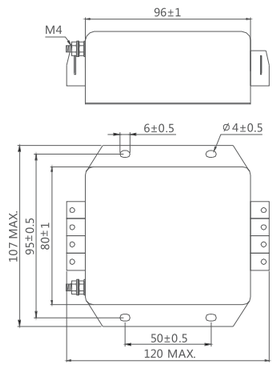
DFUL-4P-N-80A-440AC
DFUL-4P-N-100A-440AC

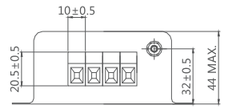


DFUL-4P-N-150A-440AC

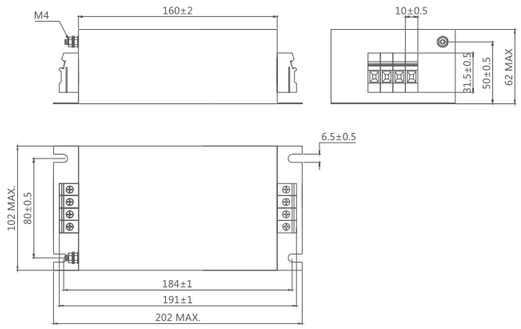
Dimensional Drawing (mm)

Terminal Series

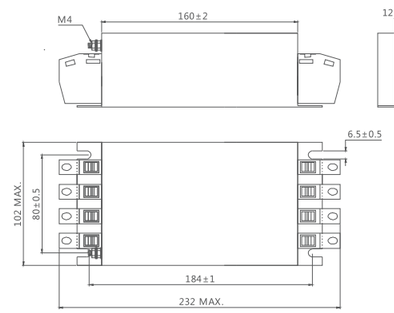




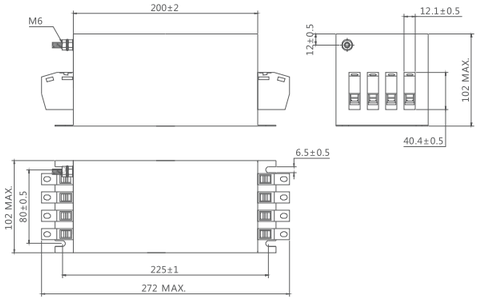
DFUL-4P-N-5A-440AC
DFUL-4P-N-10A-440AC
DFUL-4P-N-20A-440AC
DFUL-4P-N-30A-440AC



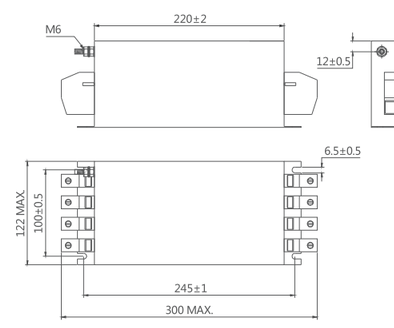
DFUL-4P-N-50A-440AC



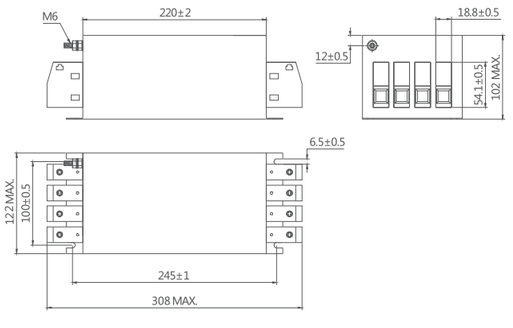
DFUL-4P-N-65A-440AC



DFUL-4P-N-80A-440AC



DFUL-4P-N-100A-440AC



DFUL-4P-N-150A-440AC

AC Single Phase Filters

DFUL-1P-H Series

Introduction

- Rated current: 0.5~50A selectable
- Option for medical equipment specialized type (H-type)
- Various lead-out methods such as leads, solder tabs, bolts, and terminals are selectable
- Customized products available

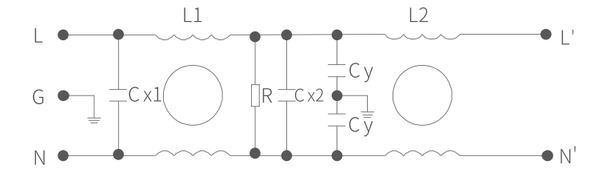
Features

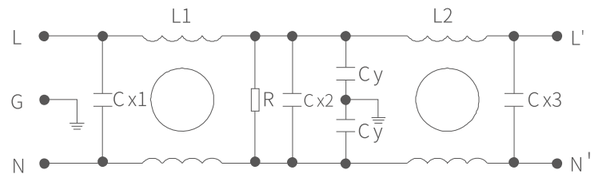
- High-performance AC line filters with excellent common-mode and differential-mode filtering effects within the range of 10KHz~30MHz;
- DFUL-1P-H series adopts a two-stage common-mode filtering design, with similar overall filtering effects, with subtle differences based on current ratings;
- DFUL-1P-H series adopts a two-stage filtering design with a first-level differential mode and a first-level common mode, emphasizing the removal of differential mode interference signals;
- 380VAC and above (including) high operating voltage products can be selected;

Application

- Electronic Electrical Equipment
- Data Communication Equipment
- Electronic devices with higher filtering requirements such as various power supply products
- Consumer Electronics
- Office Automation Equipment

Circuit Diagram





DFUL-1P-H Series

Technical Parameters

Rated Voltage VR	110/250VAC
Operating Frequency FR	50/60Hz
Rated Current IR	0.5~50A@40°C
Test Voltage Vtest	1760VDC, 3S (line-line); 2000VDC, 3S (line-ground)
Climatic Category (IEC 60068-1)	25/085/21 (-25°C/+85°C humidity test 21 days)

Product List

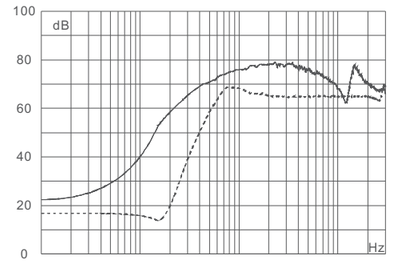
Product Model	Rated Current [A]	Leakage Current [mA] 250VAC/50Hz @20°C	Connection Method -S	Connection Method -L	Connection Method -W	Connection Method	Weight [g]
DFUL-1P-H-1A-250AC	1	<0.6	---	---	○	---	95
DFUL-1P-H-3A-250AC	3	<0.6	---	---	○	---	170
DFUL-1P-H-6A-250AC	6	<1.0	M4	○	---	---	170/140
DFUL-1P-H-10A-250AC	10	<1.0	M4	○	---	---	170/140
DFUL-1P-H-20A-250AC	20	<1.0	M4	○	---	---	320/280
DFUL-1P-H-30A-250AC	30	<1.0	M6	---	---	○	360/350
DFUL-1P-H-40A-250AC	40	<1.0	M6	---	---	○	630/470
DFUL-1P-H-50A-250AC	50	<3.0	M6	---	---	○	900/1300

Insertion Loss (dB)

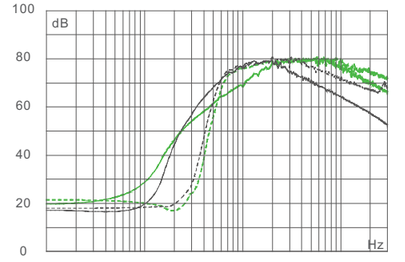
——— Common Mode

- - - - Differential Mode

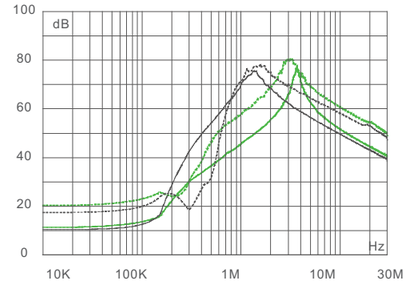
Note: Insertion loss is based on UL1283 standard, measured under no-load condition in a 50Ω-50Ω system. Actual performance should be based on data in actual working conditions.



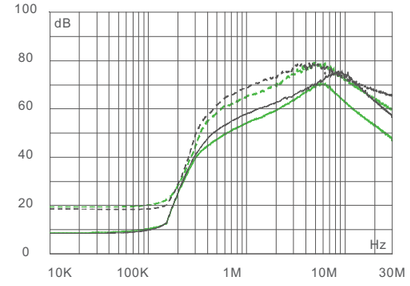
DFUL-1P-H-1A-250AC



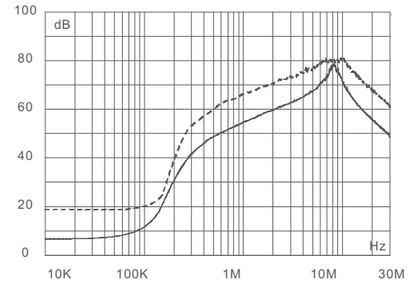
DFUL-1P-H-3A-250AC
DFUL-1P-H-6A-250AC



DFUL-1P-H-10A-250AC
DFUL-1P-H-20A-250AC

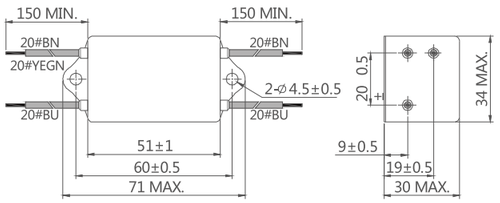


DFUL-1P-H-30A-250AC
DFUL-1P-H-40A-250AC

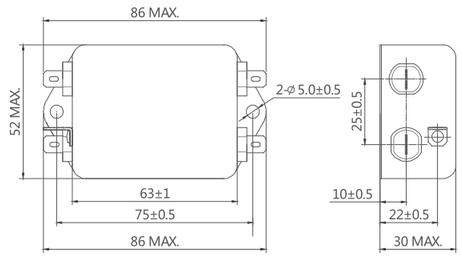


DFUL-1P-H-50A-250AC

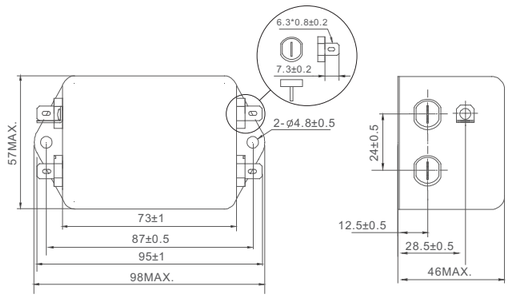
Dimensional Drawing (mm)



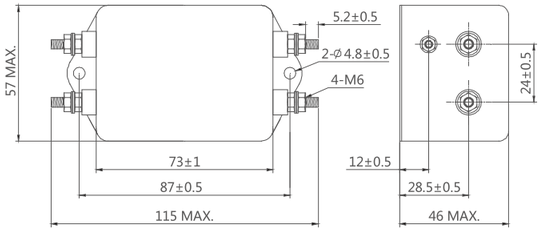
DFUL-1P-H-1A-250AC
DFUL-1P-H-3A-250AC



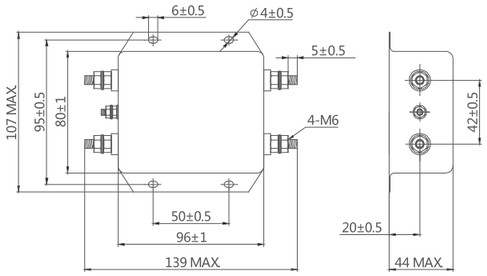
DFUL-1P-H-6A-250AC
DFUL-1P-H-10A-250AC



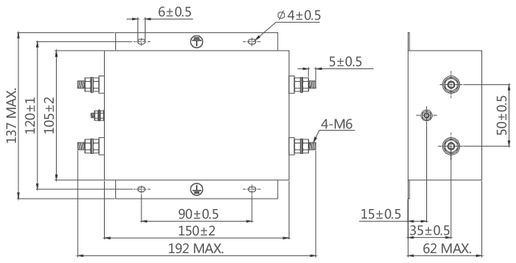
DFUL-1P-H-20A-250AC



DFUL-1P-H-30A-250AC



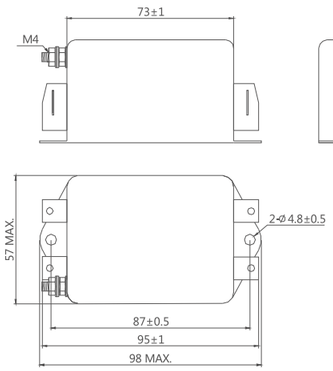
DFUL-1P-H-40A-250AC



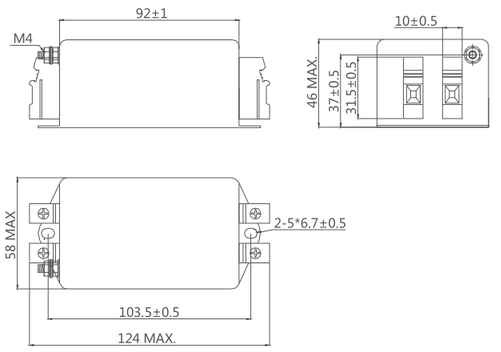
DFUL-1P-H-50A-250AC

Dimensional Drawing (mm)

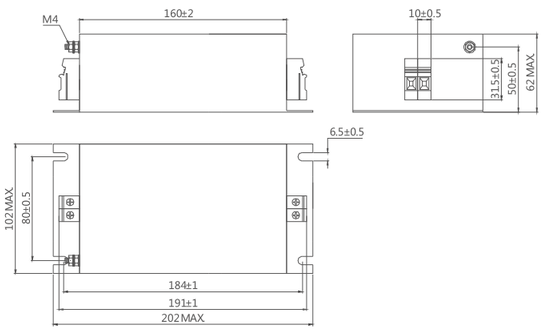
Terminal Series



DFUL-1P-H-20A-250AC
DFUL-1P-H-30A-250AC



DFUL-1P-H-40A-250AC



DFUL-1P-H-50A-250AC

AC Three-Phase Three-Wire Filters

DFUL-3P-H Series

Introduction

- Rated current: 5~150A selectable
- Option for medical equipment specialized type (H-type)
- Options for terminals like tabs, bolts, terminal blocks (copper busbars are used for current above 250A)
- Customizable according to customer requirements

Features

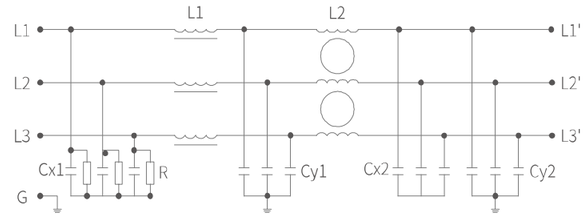
- Apply to three-phase three-wire power supply system;
- DFUL-3P-H series adopts a two-stage common-mode filtering circuit design, a high-performance three-phase three-wire system filter;
- DFUL-3P-H series adopts a two-stage filtering design with a first-level differential mode and a first-level common mode, emphasizing the removal of differential mode interference signals;
- Excellent common-mode and differential-mode filtering effects within the range of 10KHz~30MHz;
- Options for products with working voltages of 520VAC, 690VAC (inclusive) and above;

Application

- Widely applicable to various power equipment connected in Δ (delta) configuration
- Textile machinery, industrial air conditioning
- Used in printing equipment, packaging machine equipment
- UPS, medical equipment

DEGSON
AC Three-Phase Three-Wire Filters

Circuit Diagram



DFUL-3P-H Series

Technical Parameters

Rated Voltage VR	250/400VAC
Operating Frequency FR	50/60Hz
Rated Current IR	5~150A@40°C
Test Voltage Vtest	2250VDC, 3S (L-L); 2700VDC, 3S (L-G)
Climatic Category (IEC 60068-1)	25/085/21 (-25°C/+85°C humidity test 21 days)

Product List

Product Model	Rated Current [A]	Leakage Current [mA] 250VAC/50Hz @20°C	Connection Method		Weight [g]
			-S		
DFUL-3P-H-5A-440AC	5	<1.8	M4	○	650/680
DFUL-3P-H-10A-440AC	10	<4.5	M4	○	1000/1000
DFUL-3P-H-20A-440AC	20	<4.5	M4	○	1200/1200
DFUL-3P-H-30A-440AC	30	<7.5	M6	○	1800/1700
DFUL-3P-H-50A-440AC	50	<7.5	M6	○	1800/1700
DFUL-3P-H-65A-440AC	65	<7.5	M8	○	3200/4100
DFUL-3P-H-80A-440AC	80	< 7.5	M8	○	3200/4100
DFUL-3P-H-100A-440AC	100	<7.5	M8	○	3300/4200
DFUL-3P-H-150A-440AC	150	< 7.5	M10	○	6300/5200

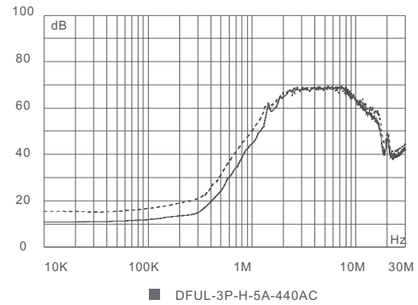
DEGSON
AC Three-Phase Three-Wire Filters

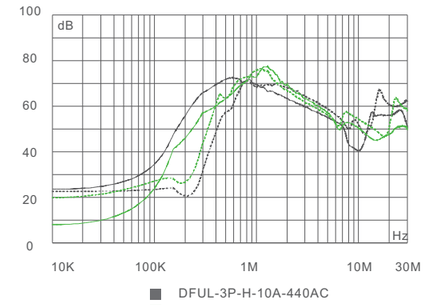
Insertion Loss (dB)

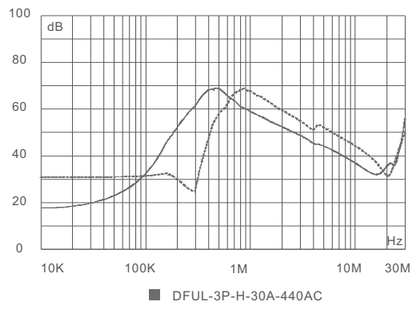
——— Common Mode

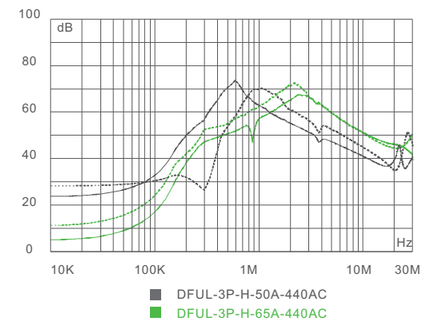
- - - - Differential Mode

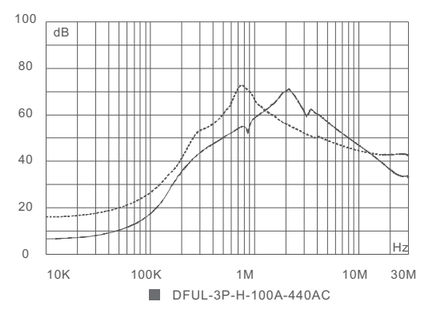
Note: Insertion loss is based on UL1283 standard, measured under no-load condition in a 50Ω-50Ω system. Actual performance should be based on data in actual working conditions.

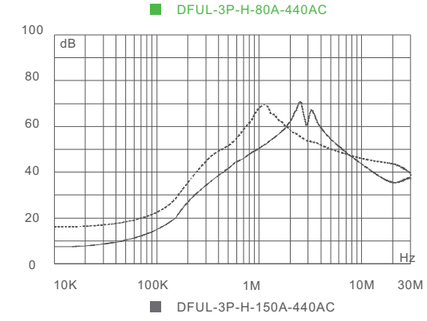




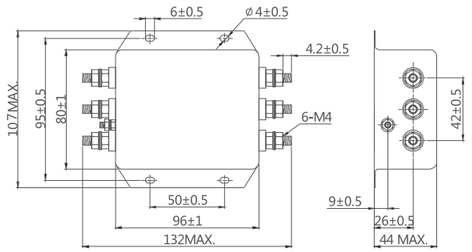




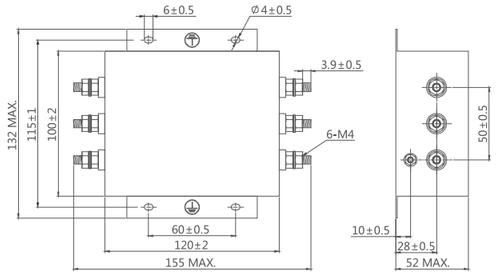




Dimensional Drawing (mm)



DFUL-3P-H-5A-440AC



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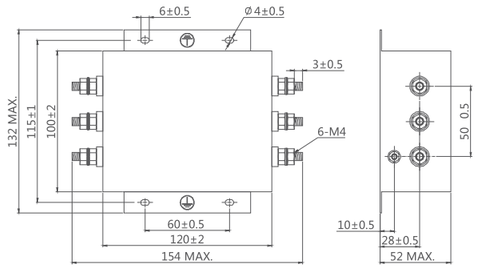

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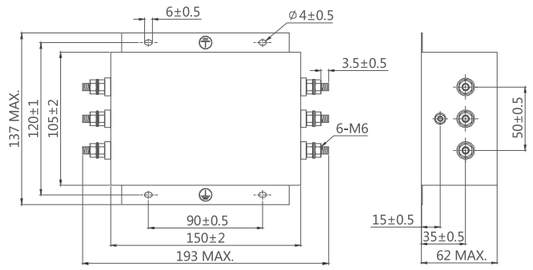

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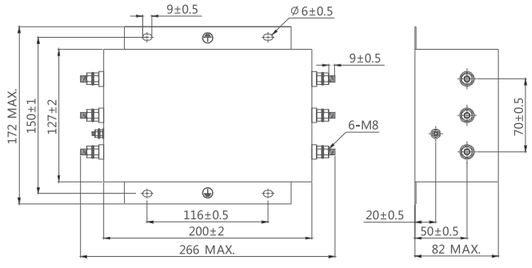
DFUL-3P-H-50A-440AC



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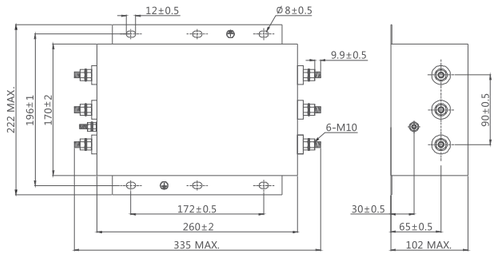
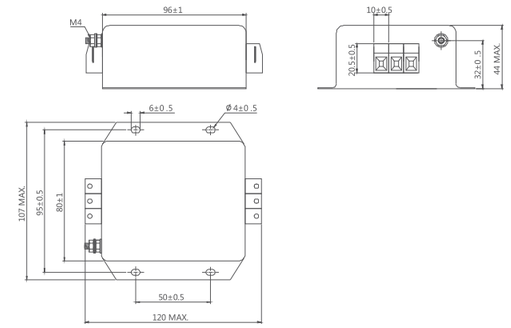
DFUL-3P-H-80A-440AC
DFUL-3P-H-100A-440AC



DFUL-3P-H-150A-440AC

Dimensional Drawing (mm)

Terminal Series



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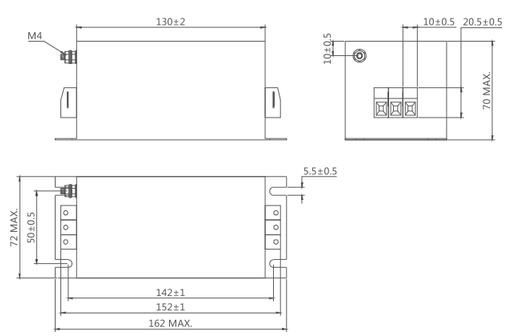

DFUL-3P-H-10A-440AC
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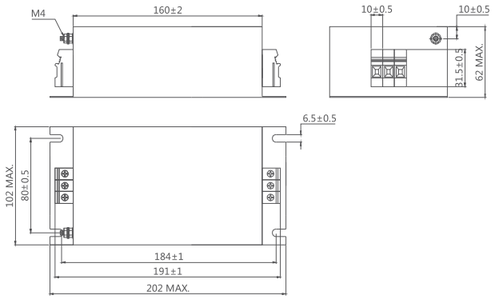

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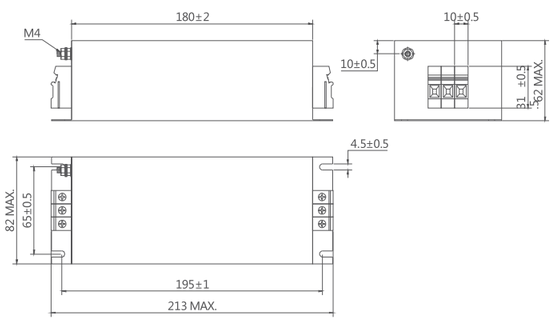
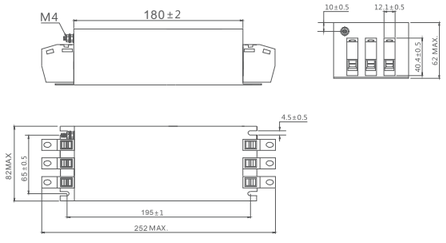


DFUL-3P-H-50A-440AC



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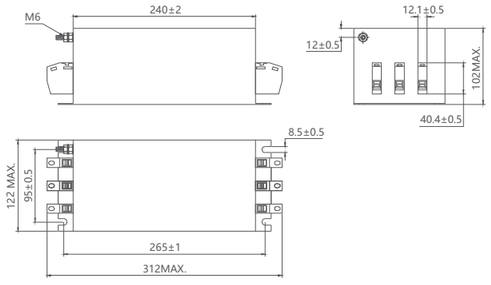
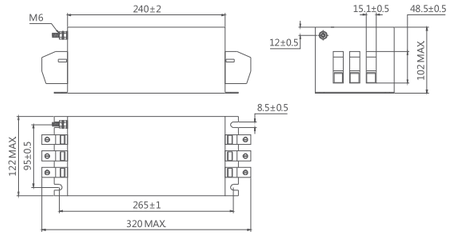


DFUL-3P-H-80A-440AC



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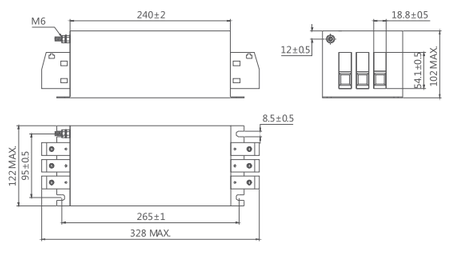


DFUL-3P-H-150A-440AC

AC three Phase 4-Line Filters

DFUL-4P-H Series

Introduction

- Rated current: 5~150A selectable
- Option for medical equipment specialized type (H-type)
- Options for terminals like tabs, bolts, terminal blocks (copper busbars are used for current above 250A)
- Customizable according to customer requirements

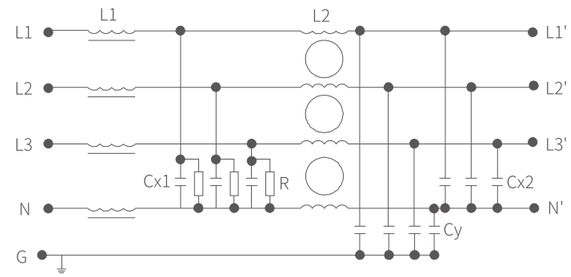
Features

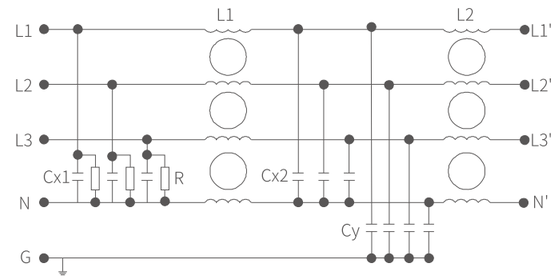
- Applicable to three-phase power supply system with neutral wire
- DFUL-4P-H series adopts a two-stage common-mode filtering circuit design, a high-performance three-phase four-wire system filter;
- DFUL-4P-H series adopts a two-stage filtering design with a first-level differential mode and a first-level common mode, emphasizing the removal of differential mode interference signals;
- Excellent common-mode and differential-mode filtering effects within the range of 10KHz~30MHz;

Application

- Machine tool equipment
- Automation equipment
- Inverter power supply
- Electronics equipment powered by three-phase four-wire power supply system like medical equipment

Circuit Diagram





DFUL-4P-H Series

Technical Parameters

Rated Voltage VR	440VAC
Operating Frequency FR	50/60Hz
Rated Current IR	5~150A@40°C
Test Voltage Vtest	2250VDC, 3S (L-L); 1760VDC, 3S (L-N); 2700VDC, 3S (L-G)
Climatic Category (IEC 60068-1)	25/085/21 (-25°C/+85°C humidity test 21 days)

Product List

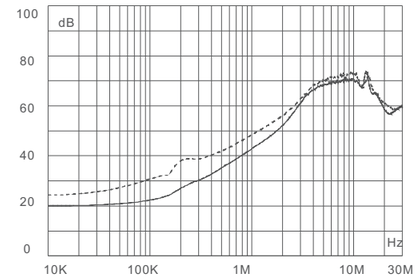
Product Model	Rated Current [A]	Leakage Current [mA] 250VAC/50Hz @20°C	Connection Method		Weight [g]
			-S		
DFUL-4P-H-5A-440AC	5	<2.0	M4	○	600/800
DFUL-4P-H-10A-440AC	10	<2.0	M4	○	1150/1300
DFUL-4P-H-20A-440AC	20	<2.0	M4	○	1200/1400
DFUL-4P-H-30A-440AC	30	<6.0	M6	○	1800/1800
DFUL-4P-H-50A-440AC	50	<6.0	M6	○	3100/3200
DFUL-4P-H-65A-440AC	65	<10.0	M8	○	3200/3700
DFUL-4P-H-80A-440AC	80	< 10.0	M8	○	31 50/5050
DFUL-4P-H-100A-440AC	100	<10.0	M8	○	31 50/5050
DFUL-4P-H-150A-440AC	150	< 10.0	M10	○	7000/8200

Insertion Loss (dB)

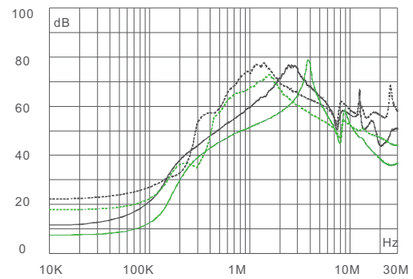
——— Common Mode

- - - - Differential Mode

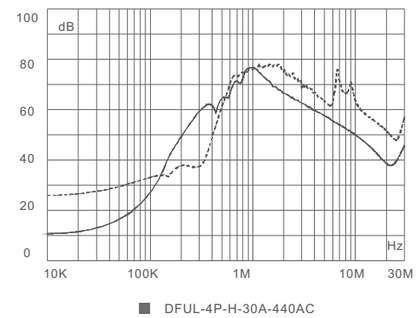
Note: Insertion loss is based on UL1283 standard, measured under no-load condition in a 50Ω-50Ω system. Actual performance should be based on data in actual working conditions.



■ DFUL-4P-H-5A-440AC



■ DFUL-4P-H-10A-440AC
■ DFUL-4P-H-20A-440AC



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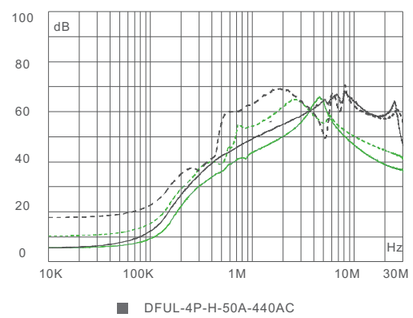
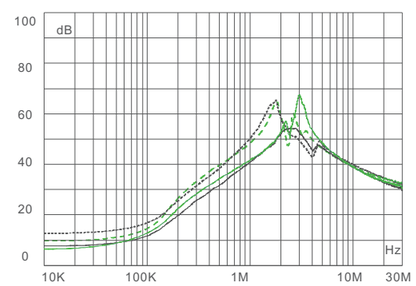
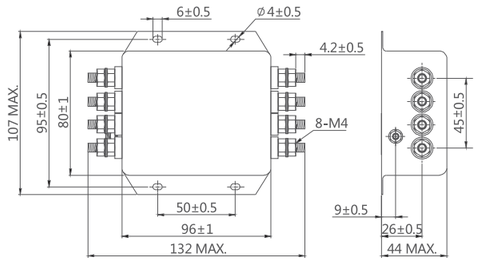


■ DFUL-4P-H-50A-440AC
■ DFUL-4P-H-65A-440AC
■ DFUL-4P-H-80A-440AC



■ DFUL-4P-H-100A-440AC
■ DFUL-4P-H-150A-440AC

Dimensional Drawing (mm)



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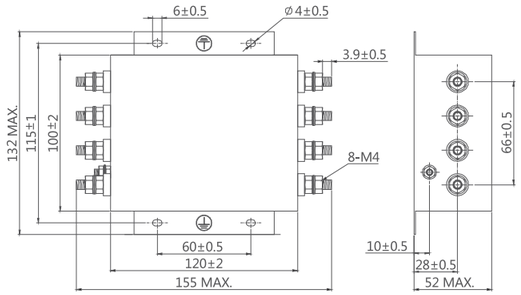

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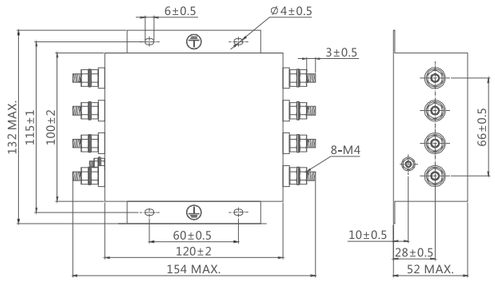

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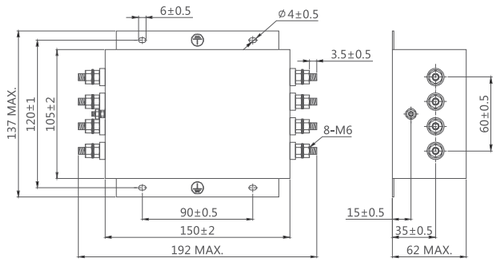

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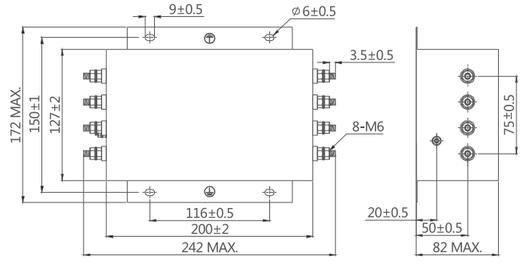

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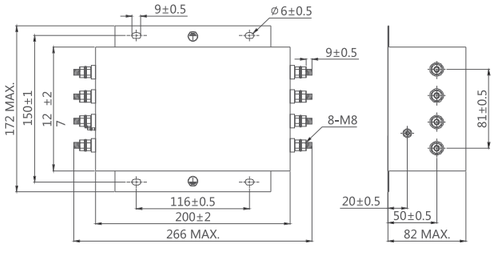
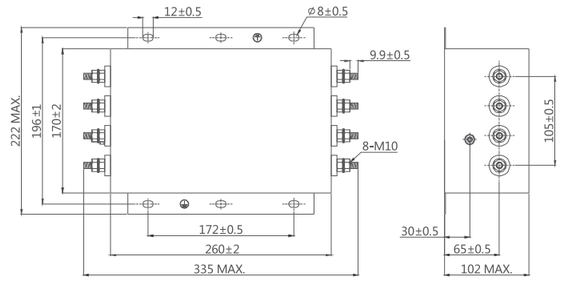


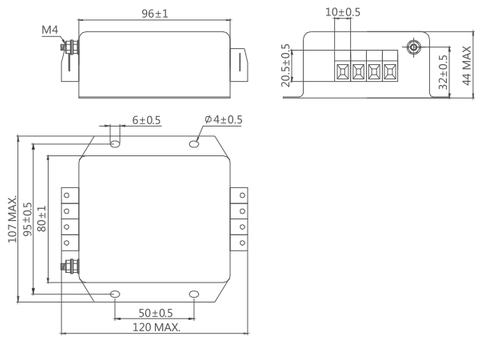
DFUL-4P-H-65A-440AC
DFUL-4P-H-80A-440AC
DFUL-4P-H-100A-440AC



DFUL-4P-H-150A-440AC

Dimensional Drawing (mm)

Terminal Series



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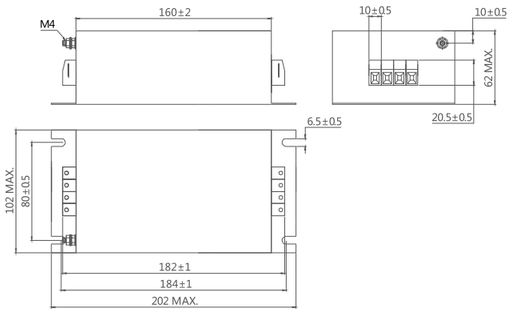
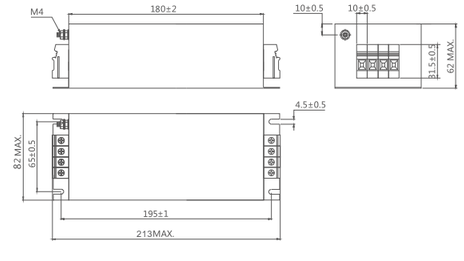


DFUL-4P-H-10A-440AC
DFUL-4P-H-20A-440AC



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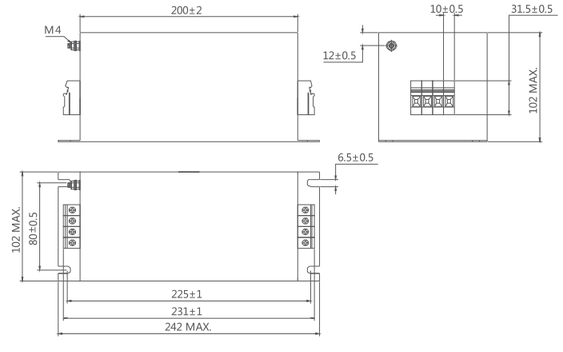
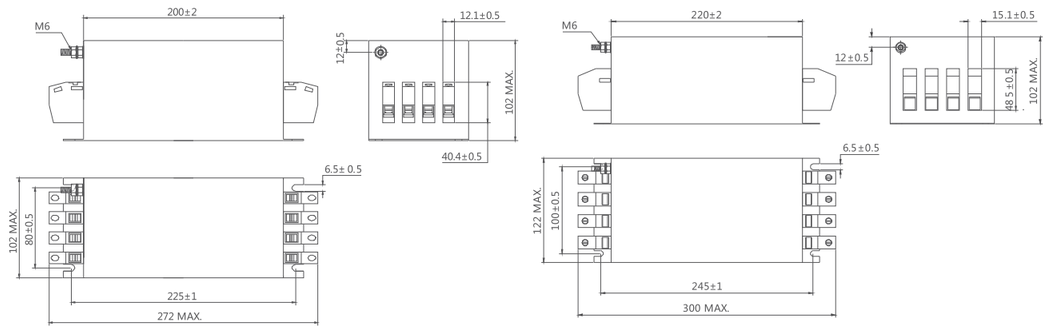
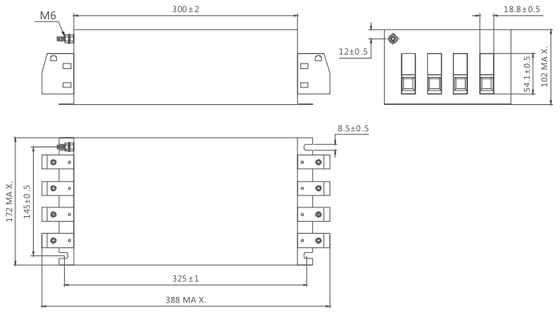


DFUL-4P-H-50A-440AC



DFUL-4P-H-65A-440AC
DFUL-4P-H-80A-440AC

DFUL-4P-H-100A-440AC



DFUL-4P-H-150A-440AC

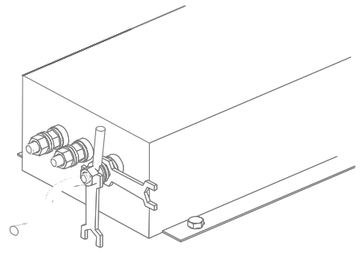
Filter Usage Guidelines

1. Filter Storage and Operating Environment

Power filters should not be exposed to direct sunlight or rain. They should be stored in a warehouse with good air circulation, ambient temperature of -30°C to +65°C, maximum relative humidity not exceeding 90% (at an air temperature of 20°C ± 5°C), and no corrosive liquids or gases.

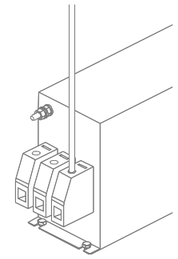
2. Filter Installation

- The filter should be installed at the power inlet to shorten the length of the input line within the chassis and reduce radiated interference.
- The input and output lines of the filter should neither cross nor be bundled with cable ties.
- The filter casing must be grounded over a large area. When connecting to other devices, the grounding wire should be kept as short as possible.
- If the filter's output terminals are bolts, users need to use two wrenches to tighten the nuts when wiring. This prevents internal wire movement caused by bolt rotation, which can lead to sparking, short circuits, breakdowns, and a decrease in the filter's efficiency. When tightening the screws, use wrench 1 to hold the base nut in place first, then use wrench 2 to tighten the nut (as shown in figure 1). Otherwise, it may result in damage to the filter terminals. The same method applies to other phase connections.

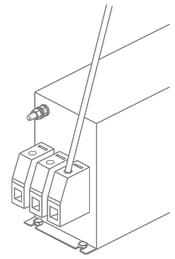


(Figure 1)

- When installing terminal block filter products, it is important to ensure that the tool used to tighten the screws is as perpendicular to the housing as possible (see Figure 2), and avoid tilting (see Figure 3), to prevent damage to the terminal block.



(Figure 2)



(Figure 3)

3. Reminders and Warnings

Please carefully read all safety warning instructions before installing the filter and putting it into operation:

- When transporting the filter, avoid using the filter output terminals as support points. This prevents distortion, loosening, or breakage of the terminals that could affect the normal operation of the filter.
- During the installation of the filter, ensure that the protective grounding is connected first and disconnected last. Since filter products may have leakage current, ensure proper grounding before use. For filters with a current rating greater than 50A, it is recommended to ensure a good ground connection for the filter's grounding terminal, not just relying on the filter's casing grounding.
- Warning: Power filters contain components that can store voltage. Even after power is disconnected, there may still be hazardous voltage present at the filter terminals for up to 5 seconds or longer.
- The operating conditions of the filter should comply with the technical standards indicated by the product's label. Overvoltage or overload can damage the filter, so it's recommended to implement appropriate overcurrent protection measures.
- When the ambient temperature increases, the current carrying capacity of the filter may decrease. Failure to adhere to the current derating requirements could lead to filter overheating. Prolonged usage may also lead to a shortened lifespan or damage of the filter.

ENVIRONMENTAL POLICY

DEGSON realizes system regulation without lead in 2005 and has been granted ISO14001 in 2006. All the products conform to the European ROHS requirement.

DEGSON realizes the importance to protect environment resources, selfconsciously meets environment protection requirements for products and regardsit as the responsibility. Thus, we have made the following environment strategic policy:

1. To meet customers'demands and obey the national and local laws and regulations as well as other environmental protection requirements.
2. Take environmental protection as one criterion for continuing development of our company. Insist on fully development of quality, benefit and environ mental protection.
3. Fully considering the factors which will influence the environment in the processes of product development, manufacturing, material usage and waste processing, establish management system of waste in order to improve the environment of our company.
4. To increase the employees' consciousness of environmental protection through training and to realize the continuing improvement of environment management system and the ability of environmental protection.
5. To make full use of resources and to decrease consumption of material in order to save energy.
6. To promise to our partners and society that we will make contribution to environment protection. There is only one Earth for our humanity.
7. To strive for making conservation-oriented and environment-friendly products through continuous innovation and developing new materials and technology.

RoHS COMPLIANT