



AGENDIS GmbH
 Südstraße 12
 96142 Hollfeld
 E-Mail: info@agendis-otto.de



BLA ETECH PVT. LTD.

EMC, EMI FILTER & POWER SOLUTION



An ISO
 9001: 2008 Company



Manufacturer of EMI/ EMC Filters
 (Duty & Tax Free Factory)

SERIES

BL 2010

BL 2020

BL2030

General Purpose



Approvals: UL, Reach, RoHS

Feature and Benefits

- BL2010 Single-stage filters are designed for easy and fast chassis mounting.
- The BL2010 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide a general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- BL2020 Single-stage filters are designed for easy and fast chassis mounting.
- The BL2020 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide a general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- BL2030 Single-stage filters are designed for easy and fast chassis mounting.
- The BL2030 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an exceptional conducted attenuation performance, based on chokes with high permeable core material and excellent thermal behavior.
- BL2030 Single-stage filters are designed for noisy applications requiring excellent filter performance

ELECTRICAL PARAMETERS

MAX. VOLTAGE	250 VAC	250VAC	250VAC
CURRENT RATING	1,3,6,10,12,16,20,30 & 60A	1,3,6,10,12,16,20,30 & 60A	1,3,4,6,8,10,12,16,20,& 30A
Leakage current Line to Ground @250Vac/50Hz	0.74mA up to 20A 0.87mA for 30 & 60A	0.74mA up to 20A 0.87mA for 30 & 60A	0.74mA up to 20A 0.87mA for 30 & 60A

ELECTRICAL SETUP	SINGLE STAGE	SINGLE STAGE	SINGLE STAGE
------------------	--------------	--------------	--------------

MECHANICAL PARAMETERS

Mounting Type	Screw type	Screw type	Screw type
Input Connection Style	Fast ON,Wire,M4/8-32 bolt up 30A and M6 for 60A	Fast ON,Wire,M4/8-32 bolt up 30A and M6 for 60A	Fast ON,Wire,M4/8-32 bolt upto 30A
Output Connection Style	Fast ON,Wire,M4/8-32 bolt up 30A and M6 for 60A	Fast ON,Wire,M4/8-32 bolt up 30A and M6 for 60A	Fast ON,Wire,M4/8-32 bolt upto 30A

Application and Use

- | | | |
|---|---|---|
| <p>The BL 2010 Filter can be use to cover broad range of uses and they can offer a good size/amperages ratio</p> <ul style="list-style-type: none"> • Electrical and electronic equipment • Consumer goods • Household equipment • Medical equipment • Electronic data processing equipment • Office automation and datacom equipment | <p>The BL 2020 Filter can be use to cover broad range of uses and they can offer a good size/amperages ratio</p> <ul style="list-style-type: none"> • Electrical and electronic equipment • Consumer goods • Household equipment • Medical equipment • Electronic data processing equipment • Office automation and datacom equipment | <p>The higher inductivity versus amperage offers increased attenuation performance with the same form factor compared to BL 2010 and BL 2020 filter series.</p> <ul style="list-style-type: none"> • All BL 2030 filters can be delivered with optional surge pulse protection. • Electrical and electronic equipment • Consumer goods • Household equipment • Building automation • Industrial applications • Machinery • Medical equipment • Electronic data processing equipment • Office automation and datacom equipment • Various noisy applications requiring high filter performance |
|---|---|---|

SERIES

BL 2060

BL 2070

BL2080

Multi Stage Performance EMI Filter



Approvals: UL, Reach, RoHS

Feature and Benefits

- BL2060 two-stage filters are designed for easy and fast chassis mounting.
- The BL2060 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- BL2070 two-stage filters are designed for easy and fast chassis mounting.
- The BL2070 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- BL2080 two-stage filters are designed for easy and fast chassis mounting.
- The BL2080 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.

ELECTRICAL PARAMETERS

MAX. VOLTAGE	250 VAC	250VAC	250VAC
CURRENT RATING	1,3,6,10,12,16,20,30A	1,3,6,10,12,16,25,36A	1,3,4,6,8,10,12,16A
Leakage current Line to Ground @250Vac/50Hz	0.74mA up to 20A 0.87mA for 30A	0.74mA up to 25A 0.87mA for 36A	0.74mA up to 30A

ELECTRICAL SETUP MULTI STAGE MULTI STAGE MULTI STAGE

MECHANICAL PARAMETERS

Mounting Type	Screw type	Screw type	Screw type
Input Connection Style	Fast ON,Wire,M4/8-32 bolt upto 30A	Fast ON,Wire,M4/8-32 bolt upto 36A	Fast ON,Wire,M4/8-32 bolt upto 16A
Output Connection Style	Fast ON,Wire,M4/8-32 bolt upto 30A	Fast ON,Wire,M4/8-32 bolt upto 36A	Fast ON,Wire,M4/8-32 bolt upto 16A

Application and Use

- The BL 2060 Filter can be use to cover broad range of uses and they can offer a good size/amperages ratio
 - Electrical and electronic equipment
 - Consumer goods
 - Household equipment
 - Medical equipment
 - Electronic data processing equipment
 - Office automation and datacom equipment
 - Industrial application
 - Machinery
 - Various noisy application requires good attenuation performance filter
- The BL 2070 Filter can be use to cover broad range of uses and they can offer a good size/amperages ratio
 - Electrical and electronic equipment
 - Consumer goods
 - Household equipment
 - Medical equipment
 - Electronic data processing equipment
 - Office automation and datacom equipment
 - Industrial application
 - Machinery
 - Various noisy application requires good attenuation performance filter
- The BL 2080 Filter are design for good low frequency attenuation
 - Electrical and electronic equipment
 - Consumer goods
 - Household equipment
 - Medical equipment
 - Electronic data processing equipment
 - Office automation and datacom equipment
 - Industrial application
 - Machinery
 - Various noisy application requires good attenuation performance filter

SERIES

BL 2090

BLB80

IWFXX(IP 66)



Multi Stage Performance EMI Filter



IEC INLET Performance EMI Filter



General Performance IEC EMI Filter (water proof)

Approvals: UL, Reach, RoHS

CE, RoHS, REACH

UL, ENEC, CE, ROHS

Feature and Benefits

- BL2090 two-stage filters are designed for easy and fast chassis mounting.
- The BL2090 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an exceptional conducted attenuation performance, based on chokes with high permeable core material and excellent thermal behavior.
- BL2090 two-stage filters are designed for noisy applications requiring excellent filter performance

The BLB80 power entry module combines an IEC inlet, a mains filter with single or dual fuse holder and a 2-pole rocker switch in a small form factor. Choosing BLB80 product line brings you the rapid availability of a standard filter associated with the necessary safety acceptances. Standard IEC connector filters are a practical solution helping you to pass EMI system approval in a short time. A wide selection on amperage ratings, fuse options, mounting possibilities and filters for medical applications are designed to offer you the desired solution.

The IWFXX IEC inlet filter combines an IEC inlet and mains filter with excellent filter attenuation in a small form factor. Choosing the IWFXX product line brings you the rapid availability of a standard filter associated with the necessary safety acceptances. Standard IEC connector filters are a practical solution helping you to pass EMI system approval in a short time. A wide selection on amperage ratings, output connections, mounting possibilities and filters for medical applications are designed to offer you the desired solution.

ELECTRICAL PARAMETERS

MAX. VOLTAGE	250 VAC	250VAC	250VAC
CURRENT RATING	1,3,4,6,8,10,12,16,20,30A	1,2,4,6,10a	1,3,,6,10A
Leakage current Line to Ground @250Vac/50Hz	0.5mA 1 to 4A 0.67mA 6 to 10A 1.02mA 12 to 30A	0.374mA up to 10A	0.52mA up to 10A

ELECTRICAL SETUP

MECHANICAL PARAMETERS

	MULTI STAGE	SINGLE STAGE	SINGLE STAGE
Mounting Type	Screw type	Screw type	Screw type
Input Connection Style	Fast ON, Wire, M4/8-32 bolt upto 30A	IEC INLET C14	IEC INLET C14
Output Connection Style	Fast ON, Wire, M4/8-32 bolt upto 30A	Fast ON	Fast ON

Application and Use

The higher inductivity versus amperage offers increased attenuation performance with the same form factor compared to BL 2060 and BL 2080 filter series.

- All BL 2090 filters can be delivered with optional surge pulse protection.
- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Building automation
- Industrial applications
- Machinery
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- Various noisy applications requiring high filter performance

- Portable electrical and electronic equipment
- Consumer goods
- EDP and office equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment
- Medical equipment

- Washable electrical and electronic equipment
- Small to medium-sized machines and household equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment
- Medical equipment
- Rack mounting equipment

SERIES

BL 2611

BL 2620

BL2630

General Purpose
EMI Filter
(Low price)



Approvals: Reach, RoHS

Feature and Benefits

- BL2611 Single-stage filters are designed for easy and fast chassis mounting.
- The BL2611 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- BL2620 Single stage filters are designed for easy and fast chassis mounting.
- The BL2620 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- BL2630 two-stage filters are designed for easy and fast chassis mounting.
- The BL2630 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.

ELECTRICAL PARAMETERS

MAX. VOLTAGE	250 VAC	250VAC	250VAC
CURRENT RATING	1,3,6,10A	5,10,15,20A	1,3,6,10A
Leakage current Line to Ground @250Vac/50Hz	0.8mA up to 10A	0.8mA up to 20A	0.8mA up to 10A

ELECTRICAL SETUP

MECHANICAL PARAMETERS

	SINGLE STAGE	SINGLE STAGE	MULTI STAGE
Mounting Type	Screw type	Screw type	Screw type
Input Connection Style	Fast ON,M4 bolt upto 10A	Fast ON,M4 bolt upto 20A	Fast ON,M4 bolt upto 10A
Output Connection Style	Fast ON,M4 bolt upto 10A	Fast ON,M4 bolt upto 20A	Fast ON,Wire,M4 bolt upto 10A

Application and Use

- | | | |
|--|--|---|
| <p>The BL 2611 Filter can be use to cover broad range of uses and they can offer a good size/amperages ratio</p> <ul style="list-style-type: none"> • Electrical and electronic equipment • Consumer goods • Household equipment • Medical equipment • Electronic data processing equipment • Office automation and datacom equipment • Industrial application • Machinery • Various noisy application requires good attenuation performance filter • Industrial Application | <p>The BL 2620 Filter can be use to cover broad range of uses and they can offer a good size/amperages ratio</p> <ul style="list-style-type: none"> • Electrical and electronic equipment • Consumer goods • Household equipment • Medical equipment • Electronic data processing equipment • Office automation and datacom equipment • Industrial application • Machinery • Various noisy application requires good attenuation performance filter | <p>The BL 2630 Filter are design for good low frequency attenuation</p> <ul style="list-style-type: none"> • Electrical and electronic equipment • Consumer goods • Household equipment • Medical equipment • Electronic data processing equipment • Office automation and datacom equipment • Industrial application • Machinery • Various noisy application requires good attenuation performance filter |
|--|--|---|

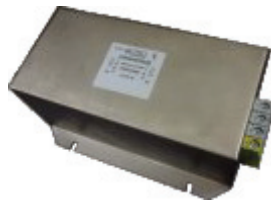
SERIES

BL300XXT

BLC258

BLC100

Three Phase EMI
FILTER For Motor
Drive



Approvals:

CSA,Nemko,RoHS

CE,RoHS,REACH

CE,RoHS,REACH

- BL300XXT two-stage filters are designed for easy and fast chassis mounting.
- All filters provide an exceptional conducted attenuation performance, based on chokes with high permeable core material and excellent thermal behavior.
- BL300XXT two-stage filters are designed for noisy applications requiring excellent filter performance

The extremely compact and slim filter design allows a trouble-free installation even where the available mounting space is minimal. With new additional filter types providing safety terminal blocks, the most preferred connection style can be chosen fast and easy. This helps to stay in line with the electrical connection concept of a given application.

High performance filter for mainly industrial motor drive applications with significant interference levels
Attenuation performance for Class B compliance in applications comprising multiple motor drives (e.g. machine tool with up to 8 driving axes with ~10 to 20 m motor cable each)
Broadband filter performance with low frequency attenuation down to 10 kHz for reliable suppression of conducted interference in applications

Feature and Benefits

ELECTRICAL PARAMETERS

MAX. VOLTAGE	480 VAC	3X480/520VAC	3x520VAC
CURRENT RATING	4,8,16,25,36,50A	7,16,30,42,55,75,100,130,180	35,50,80,110,150,200,230,300A
Leakage current Line to Ground @400Vac/50Hz	0.5mA 4 to 25A 0.75mA 36 to 50A	33.0mA upto180A	71.5mA up to 300A

ELECTRICAL SETUP

MULTI STAGE

SINGLE STAGE

SINGLE STAGE

MECHANICAL PARAMETERS

Mounting Type	Screw type	Screw type	Screw type
Input Connection Style	Solid Feed Through Terminal upto 50A	Solid Feed Through Terminal upto 180A	Solid Feed Through Terminal upto 230A and BUSBAR for 300A
Output Connection Style	Hook up Wire upto 50A	Solid Feed Through Terminal upto 180A	Solid Feed Through Terminal upto 230A and BUSBAR for 300A

Application and Use

- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Building automation
- Industrial applications
- Machinery
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- Various noisy applications requiring high filter performance
- Three-phase variable speed motor drives, servo drives, inverters and converters
- Applications comprising energy conversion devices like machines or process automation equipment
- HVAC equipment, elevators, power supplies, UPS and further three-phase applications
- Conventional motor drives with long motor cables and high interference levels
- Four quadrant motor drives and servo drives with energy regeneration mode (in combination with a suitable line reactor)
- Industrial applications comprising power conversion devices, such as machinery, machine tools and process automation equipment
- Uninterruptible power supplies (UPS)
- Converters for renewable energy generation
- Thyristor drives
- Elevators and cranes

SERIES

BLAF400XXF

BLC56

BLC280

Three Phase+N EMI FILTER



Approvals:

CSA,Nemko,RoHS

CE,RoHS,REACH

CE,RoHS,REACH

- BLAF400XXF Single-stage filters are designed for easy and fast chassis mounting.
- All filters provide an exceptional conducted attenuation performance, based on chokes with high permeable core material and excellent thermal behavior.

BLASC56 represents the industry standard filter solution for EMC compliance on three-phase and neutral conductor, providing high attenuation of both common and differential mode interference. Various type of connection style is offered for an application-specific filter selection.

As a main input filter for the three phase and neutral line,BASC3280 provides enough performance to ensure EMC compliance of machinery in mixed (Class A) or even domestic(Class B) environment. its use will also increase the immunity of the entire installation significantly. BLASC2580 provides the attenuation performance needed to meet the requirements of various machine tools with up to 12 driving axes and 10 to 12 meter of motor cable each. For easy selection and application, the filter current ratings are aligned with common fuse value. Simple and time saving installation with good accessibility for automatic and hand tools.

Feature and Benefits

- BLAF400XXF two-stage filters are designed for noisy applications requiring excellent filter performance

ELECTRICAL PARAMETERS

MAX. VOLTAGE	3x480 VAC	3X440/520VAC	3x520VAC
CURRENT RATING	3,6,10,20A	16,25,36,50,100,150A	8,16,25,36,64,80,120,160 & 200A
Leakage current Line to Ground @400Vac/50Hz	0.5mA 4 to 25A 0.75mA 36 to 50A	0.43mA upto 50A 1.08mA ,100A 8.00mA ,150A	1mA up to 200A

ELECTRICAL SETUP	SINGLE STAGE	SINGLE STAGE	DUAL STAGE
------------------	--------------	--------------	------------

MECHANICAL PARAMETERS

Mounting Type	Screw type	Screw type	Screw type
Input Connection Style	FAST ON Terminal upto 20A	Solid Feed Through Terminal upto 150A	Solid Feed Through Terminal upto 160A and BUSBAR for 200A
Output Connection Style	FAST ON upto 50A	Solid Feed Through Terminal upto 150A	Solid Feed Through Terminal upto 160A and BUSBAR for 200A

Application and Use

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> • Electrical and electronic equipment • Consumer goods • Household equipment • Building automation • Industrial applications • Machinery • Medical equipment • Electronic data processing equipment • Office automation and datacom equipment • Various noisy applications requiring high filter performance | <ul style="list-style-type: none"> • Three-phase variable speed motor drives, servo drives, inverters and converters • Applications comprising energy conversion devices like machines or process automation equipment • HVAC equipment, elevators, power supplies, UPS and further three-phase applications | <ul style="list-style-type: none"> • Conventional motor drives with long motor cables and high interference levels • Four quadrant motor drives and servo drives with energy regeneration mode (in combination with a suitable line reactor) • Industrial applications comprising power conversion devices, such as machinery, machine tools and process automation equipment • Uninterruptible power supplies (UPS) • Converters for renewable energy generation • Thyristor drives • Elevators and cranes |
|---|---|--|

SERIES

BLW010

BL420

BL422

HOME APPLIANCE
(WHITE GOODS)
EMI/EMC FILTER



Approvals:

CE,REACH,RoHS

CE,RoHS,REACH

CE,RoHS,REACH

- BLW010 Single-stage filters are designed for easy and fast chassis mounting.
- All filters provide an exceptional conducted attenuation performance, based on chokes with high permeable core material and excellent thermal behavior.
- BLW010 single-stage filters are designed for noisy applications requiring excellent filter performance

This low-cost filter is supplied in a flat case with rounded edges, making it easy to mount in almost any location - for great versatility and problem solving. Its medium-performance filter design is aimed at general purpose applications

The BL422 range of din rail mounted filters can be used for all AC and DC applications up to line voltage and frequency, and also include voltage spike protection across the line. Suitable for top hat and G-type rails.

The filtering performance has been optimized to provide effective filtering in the frequency range from 150kHz to 30MHz, with a maximum temperature rise of 30°C

Feature and Benefits

ELECTRICAL PARAMETERS

MAX. VOLTAGE	250 VAC	250VAC	250VAC
CURRENT RATING	10,12,16A	0.6,1,2.5,4 & 6.5 A	1,3,6,8 & 10A
Leakage current Line to Ground @250Vac/50Hz	0.89mA up to 16A	0.19mH up to 6.5A	1.46mA up to 10A

ELECTRICAL SETUP	SINGLE STAGE	SINGLE STAGE	SINGLE STAGE
------------------	--------------	--------------	--------------

MECHANICAL PARAMETERS

Mounting Type	Screw type	Screw type/Din Rail	Top Hat & G Profile
Input Connection Style	FAST ON Terminal upto 16A	Mini Fast ON Terminal upto 6.5A	Screw Terminal 12 AWG
Output Connection Style	FAST ON Terminal upto 16A	Mini Fast ON Terminal upto 6.5A	Screw Terminal 12 AWG

Application and Use

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Electrical and electronic equipment • Portable Tools • Household Equipment • Vacuum Cleaner • Blender ,Mixer • Treadmill • Micro oven • Power Supplies • Various noisy applications requiring high filter performance | <ul style="list-style-type: none"> • Electrical and electronic equipment • Portable Tools • Household Equipment • Vacuum Cleaner • Blender ,Mixer • Treadmill • Micro oven • Power Supplies • Various noisy applications requiring high filter performance | <ul style="list-style-type: none"> • Industrial applications comprising power conversion devices, such as machinery, machine tools and process automation equipment • Uninterruptible power supplies (UPS) • Converters for renewable energy generation • Thyristor drives • Elevators and cranes • AC & DC Application |
|---|---|---|

CONTACT US:



BLA ETECH PVT LTD
A-42 Wazirpur Industrial Area
New Delhi
Delhi 110052
India
Tel.: +91-11-47483290
E-Mail: sales@blaetech.com
Web: www.blaetech.com

Contact Germany:



AGENDIS GmbH
Südstraße 12, 96142 Hollfeld
Tel.: +49(0)9274 90991-200
Fax: +49(0)9274 90991-199
E-Mail: info@agendis-otto.de
Web: www.agendis-otto.de

