Power Management

Battery Management

BM-Series Main Battery Switches (Imperial Threading)
BP-Series Compact Battery Switches (Metric Threading)
BP-Series Motorized Battery Main Switch
Digital Voltage Sensitive Relay (DVSR) / Automatic Charging Relay
Digital Voltage Sensitive Relay (VSR) with Start Isolation

Circuit Protections

Modular Design Blade (ATO/ATC/ATP) Fuse Blocks
Multi-use Compact Modular Design Blade Fuse Blocks
Compact Design Independent Source Blade Fuse Blocks
CLB / CMB Circuit Breaker Boxes
Modern Design Glass-tube AGC Fuse Blocks Series
Heavy-Duty Modular Design Fuse Block & Bus Bars
Classic Fuse Block & Bus Bars
Fuses (Glass-tube Fuses / Automotive Blade Fuses & Other Fuses)
Circuit Breakers
Fuse Holders

Connectors & Buses

Heavy-Duty Bus Bars (Imperial Threading)
Marine Grade Bus Bars (Metric Threading)
Heavy-Duty Terminal Studs
Terminal Blocks

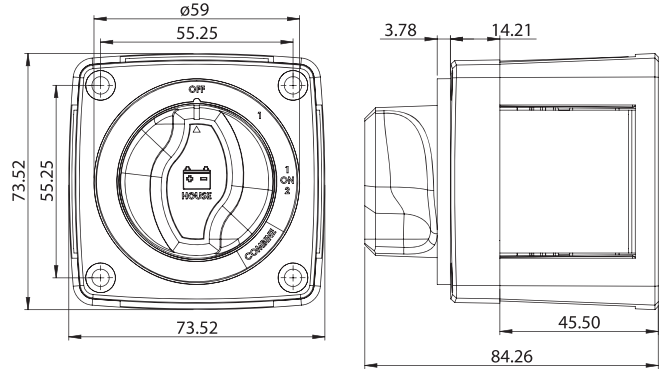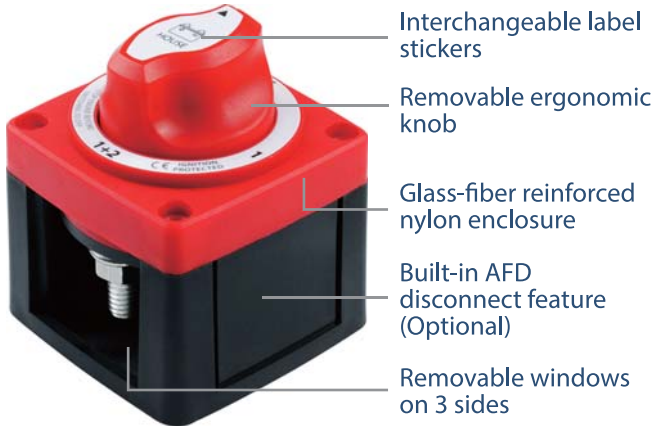# Battery Management

BM-Series Main Battery Switches (Imperial Threading)

IGNITION PROTECTED

BF446/BF446A **Battery Main Switch (A: with AFD) (ON-OFF)**
BF447/BF447A **Battery Selector Switch (A: with AFD) (1-2-Both-OFF)**

Interchangeable label stickers

Removable ergonomic knob

Glass-fiber reinforced nylon enclosure

Built-in AFD disconnect feature (Optional)

Removable windows on 3 sides

ø59
55.25
73.52
55.25
73.52
3.78
14.21
45.50
84.26

[2.35] 59.7
[0.47] 12
[0.13] 3.2
[2.35] 59.7

Features

- Unique ergonomic and aesthetic knob design
- Knobs removable for isolation / safety
- AFD (Alternator Field Disconnect) feature provides extra safety protection
- Dimensions fits popular BlueSea's M-series battery switches
- Robust Glass Fiber reinforced Nylon enclosure
- Removable windows for unobstructed wiring
- 3 mounting options: Surface mount, front panel mount and rear panel mount
- Meet Ignition Protection Standard (ISO8846 / SAE J1171), suitable for use in marine engine room and fuel tank spaces

Surface mounting | Front panel mounting | Rear panel mounting
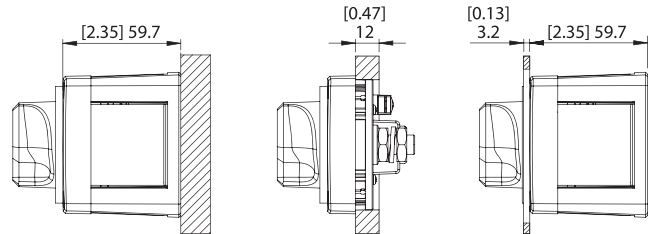
Product Series

BF446 / BF446A

BF446   BF446A(with AFD)

BF447 / BF447A

BF447   BF447A(with AFD)

Product ID	Function	Voltage Rating (Max)	Stud Size	Cranking Rating(30s)	Intermittent Rating (5 mins)	Continuous Rating (1hr)	Note
BF446	ON-OFF	48V	3/8"-16	900A	500A	300A	-
BF446A	ON-OFF	48V	3/8"-16	900A	500A	300A	with AFD
BF447	1-2-Both-OFF	32V	3/8"-16	900A	500A	300A	-
BF447A	1-2-Both-OFF	32V	3/8"-16	900A	500A	300A	with AFD

BP-Series Compact Battery Switches (Metric Threading)
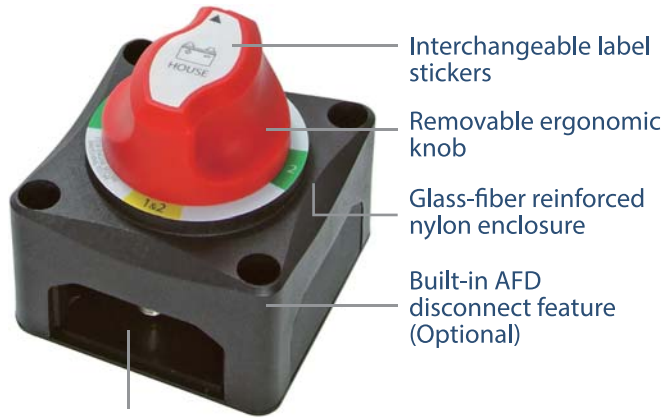
Best Seller | **IGNITION PROTECTED** | **PATENTED TW,CH**

Battery Main Switch (On-Off)
BF441 / BF441A (with AFD)
Battery Selector Switch (1-2-Both-Off)
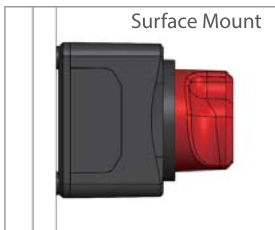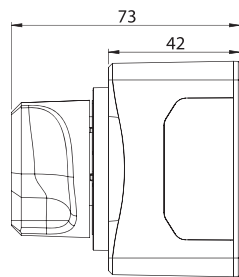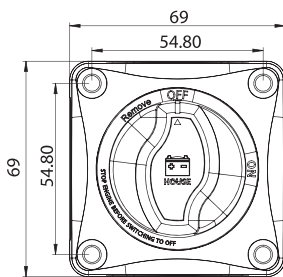BF442 / BF442A (with AFD)

Interchangeable label stickers

Removable ergonomic knob

Glass-fiber reinforced nylon enclosure

Built-in AFD disconnect feature (Optional)

Removable windows on 4 sides

69
54.80
69
54.80

73
42

Surface Mount

Panel Mount

Features

- Unique ergonomic and aesthetic knob design
- Knobs removable for isolation / safety
- Smallest battery switch with AFD (Alternator Field Disconnect) feature in market (BF441A, BF442A)
- Dimensions fits Heavy Duty Modular Fuse Box Series (BF43x)
- Robust Glass Fiber reinforced Nylon enclosure
- Removable windows for unobstructed wiring
- Compact size matching mainstream products in market (BEP style)
- Surface or panel mount options provides flexibility when installing
- Patented in Taiwan(D183413), China(ZL201730358133.0)
- Meet Ignition Protection Standard (ISO8846 / SAE J1171), suitable for use in marine engine room and fuel tank spaces
- IP66 – Protected against powerful water jets from all directions

No AFD

ON   OFF
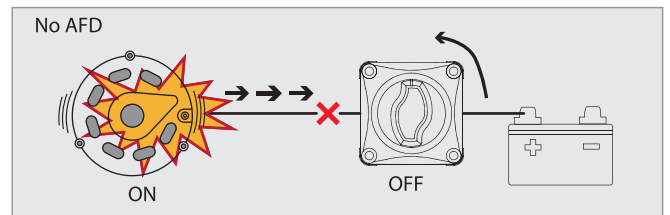
Continuous output blows out the alternator.

With AFD

STOP
No Output

OFF   OFF
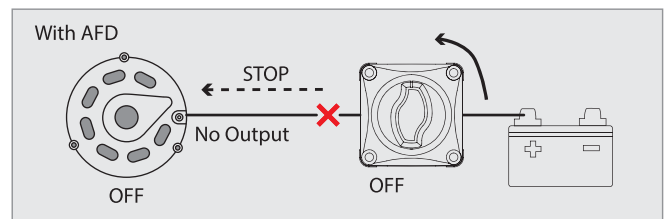
AFD cuts alternator off before battery switch turned off.

Product Series

BF441 / BF441A

BF441

BF441A(with AFD)

BF442 / BF442A

BF442

BF442A(with AFD)

Product ID	Function	Voltage Rating (Max)	Stud Size	Cranking Rating (10Secs)	Intermittent Rating (5 mins)	Continuous Rating (1hr)	Note
BF441	ON-OFF	48V	M10	1250A	455A	275A	-
BF441A	ON-OFF	48V	M10	1250A	455A	275A	with AFD
BF442	1-2-Both-Off	48V	M8	1000A	300A	200A	-
BF442A	1-2-Both-Off	48V	M8	1000A	300A	200A	with AFD

BP-Series Motorized Battery Main Switch

Motorized Battery Main Switch
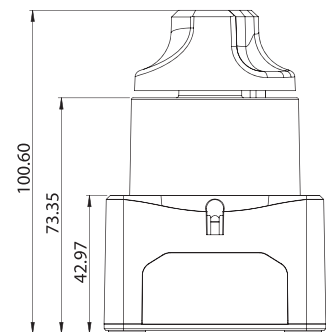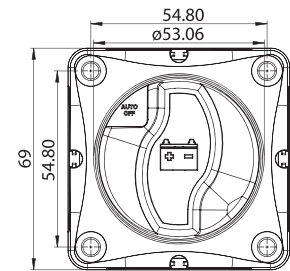BF441-MD
Voltage Sensitive Battery Main Switch
BF441-VS

BF441-MD

BF441-VS

54.80
ø53.06
69
54.80
100.60
73.35
42.97

Features   (BF441-MD)

- Motorized version of our popular BF441 Main Switch
- Remotely controlled Battery switch can be mounted next to battery or heavy load, reducing heavy cable lengths and cost
- Works for both 12V or 24V systems (auto-select)
- LED status identification for remote control switch
- Unique ergonomic and aesthetic knob design
- Knobs removable for isolation / safety
- Removable windows for unobstructed wiring
- Surface or panel mount options provides flexibility when installing
- Robust Glass Fiber reinforced Nylon enclosure

Specifications

- Continuous Rating │ 275A
- Intermittent Rating (5 mins) │ 455A
- Cranking Rating (10 Secs) │ 1250A
- Nominal Voltage │ DC 12V / 24V Auto Detect
- Max. Voltage Rating │ 32V
- Terminal Studs │ M10 (3/8")
- Note │ CE

Features   (BF441-VS)

- Automatically senses battery bank voltages and provides efficient charging of the second bank
- Allows for independent battery banks to be combined or isolated based on the presence of a charging source (such as an engine alternator or battery charger)
- Sensing Voltage from either battery bank
- Offers remotely activated, high current, emergency parallel connection
- Robust Glass Fiber reinforced Nylon enclosure
- Surface or panel mount options provides flexibility when installing
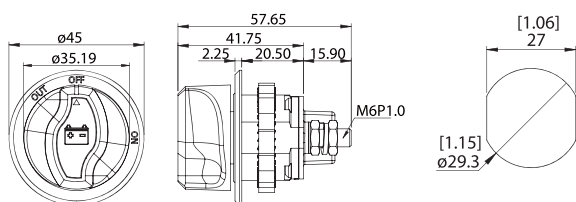- Removable windows for unobstructed wiring

Specifications

- Continuous Rating │ 275A
- Intermittent Rating (5 mins) │ 455A
- Cranking Rating (10 Secs) │ 1250A
- Nominal Voltage │ DC 12V / 24V Auto Detect
- Max. Voltage Rating │ 32V
- Terminal Studs │ M10 (3/8")
- Combine / Open Voltage │ DC 13.3V / 12.7V @ 12V
                            DC 26.6V / 25.4V @ 24V
- Note │ CE

Mini Size 150A Battery Switch
BF449

Watch Intro Video on Youtube

Features

- Unique ergonomic and aesthetic knob design
- Knobs removeable for isolation / safety
- Robust Glass Fiber reinforced Nylon enclosure
- Ultra compact size fits 1-1/8" mounting holes
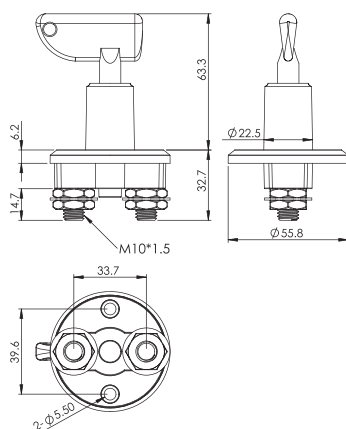- ISO8846 Ignition Protected

Specifications

- Cranking Rating (30 Secs) │ 500A
- Intermittent Rating (5 mins) │ 200A
- Continuous Rating │ 150A
- Voltage Rating │ 32V
- Terminal Studs │ M6
- Note │ C E

300A Battery Isolation Switch with removable key
BF501 /BF501C (With Cocver)

BF501C

Features

- SPST ON-OFF
- Copper Studs and Contacts
- Keys Removable at OFF position

Specifications

- Rating │ 12Volts DC
- Continuous Rating │ 300Amps
- Intermittent Rating │ 800Amps
- Note │ C E

300A Battery Isolation Switch with removable key
BF502 /BF502C (With Cocver)

BF502C

Features

- SPST ON-OFF
- Copper Studs and Contacts
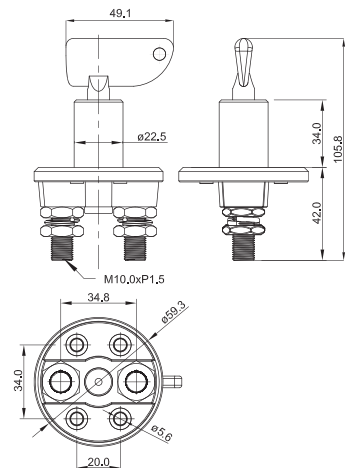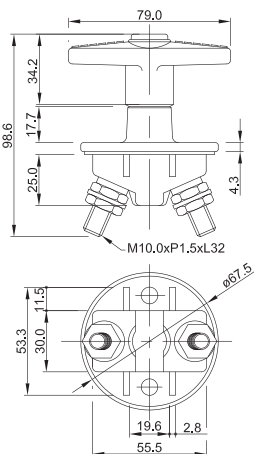- Keys Removable at OFF position
- 4 mounting screw holes version

Specifications

- Rating │ 12Volts DC
- Continuous Rating │ 300Amps
- Intermittent Rating │ 800Amps
- Note │ C E

Battery Isolation Switch
BF503

79.0
34.2
17.7
98.6
25.0
4.3
M10.0xP1.5xL32
ø67.5
11.5
53.3
30.0
19.6 2.8
55.5

Features

■ SPST ON-OFF
■ Copper Studs and Contacts
■ Heavy Duty T Handle Bar (not Removable)
■ Zinc housing with coated white painting

Specifications

■ Rating | 12Volts DC
■ Continuous Rating | 300Amps
■ Intermittent Rating | 800Amps
■ Note | CE

Master Disconnect Switch replacing Caterpillar Cat 7N0718
BF504

15.0
113.7
35.5
24.7
3/4"x16G (19.0m/m)
ø6.2
ø8.0
ø58.6
3/8"x24G (9.5m/m)
ø67.0
35.0
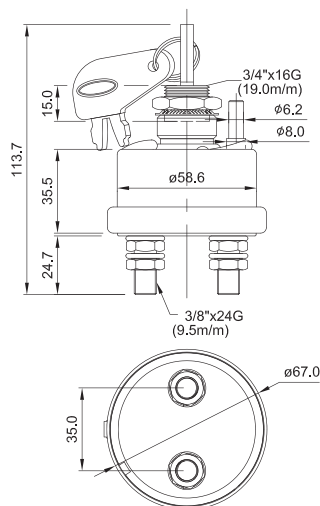
Features

■ SPST ON-OFF
■ Copper Studs and Contacts
■ Indexing pins align switch and prevent housing from rotating
■ Key is removable in the OFF position
■ Two keys included
■ OEM Parts for Catepillar 7N-0718

Specifications

■ Rating | 12Volts DC
■ Momentary Rating | 450Amps
■ Continual Rating | 250Amps
■ Note | CE

Battery Isolation Switch
BF505 / BF506 (with AFD)

48.2
21.0
22.2
106.6
11.21
35.5
24.7
3/4"x16G
ø58.6
3/8"x24G
ø67.0
35.0

BF505   BF506
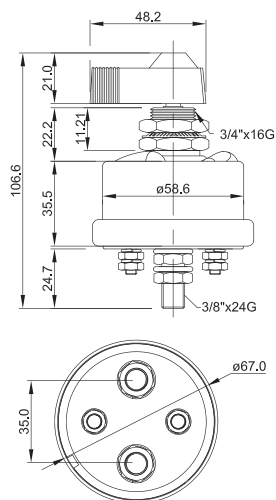
Features

■ 2 Position Off-On
■ Imperial stud terminals (3/8"-24G)
■ Copper Contacts
■ Die-casting molded housing
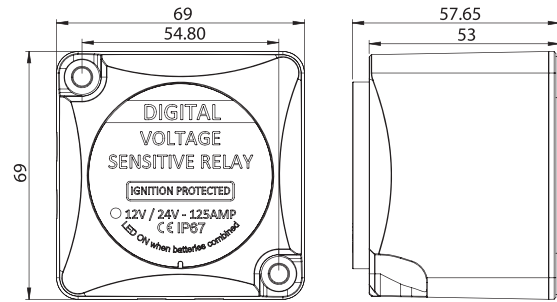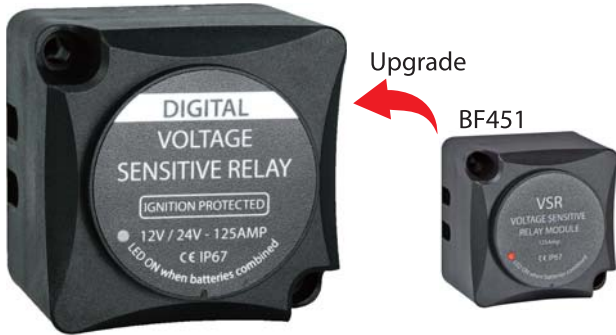■ AFD features prevents accidental cut-off (BF506)

Specifications

■ Rating | 6-12Volts DC
■ Continual Rating | 250Amps
■ Momentary Rating | 450Amps
■ Mounting Stem | 3/4"(19.05mm) Diameter
■ Note | CE

Digital Voltage Sensitive Relay (DVSR) / Automatic Charging Relay
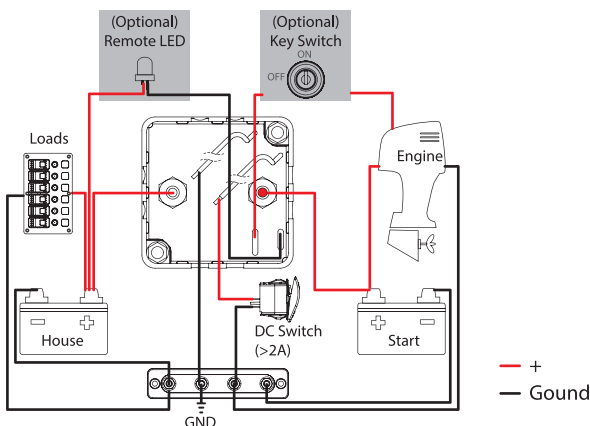
IGNITION PROTECTED

BF452

Upgrade

BF451

VSR (Voltage Sensitive Relay) or ACR (Automatic Charging Relay) are automatically controlled switches that allow two batteries to be combined when charging, and to be isolated when not charging and current is draining from one of the batteries. When used with battery switches, VSR helps to reserve a fully charged battery at all time, avoid the dead battery and possibility of towing on the sea. D-VSR is an upgraded Digital version of VSR with enhanced features like 12/24V system support, dual-port sensing, much lower standby power consumption and better reliability.

Wiring Example for BF452 D-VSR

(Optional) Remote LED

(Optional) Key Switch
ON
OFF

Loads

Engine

House

DC Switch (>2A)

Start

— +
— Gound

GND

※ Wiring Diagrams are for reference only, consult professionals for wiring suits your needs.

Wiring Example for D-VSR with Battery Charger
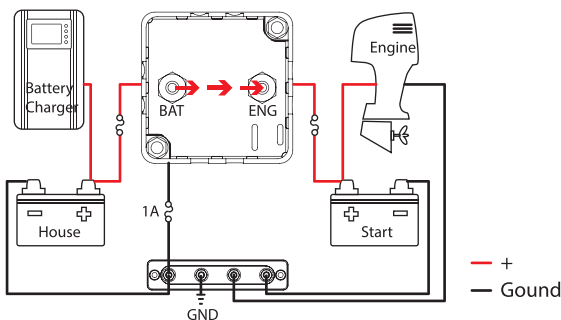
Battery Charger

BAT → ENG

Engine

House

1A

Start

— +
— Gound

GND

Dual Port Sensing allows Battery Charger charging to Start Battery when engine is off.

69
54.80
69

57.65
53

DIGITAL VOLTAGE SENSITIVE RELAY
IGNITION PROTECTED
12V / 24V - 125AMP
CE IP87
LED ON when batteries combined

Features

- Automatically combines two batteries when charging and isolates the two batteries when not charging
- DC 12/24V input auto ranging
- Sensing voltage from either battery bank
- No voltage drops comparing to battery isolator diodes (0.6V)
- Dimensions fits BF43x Fuse Box Series and Battery Switch, matching mainstream products in market (BEP style)
- Robust Glass Fiber reinforced Nylon enclosure
- Built-in LED indication (ON when VSR engages)
- Port for remote LED indicating VSR status (LED not included)
- Surface or panel mount options provides flexibility when installing
- Optional Storage Mode allows zero power consumption when engine is off

Specifications

- Nominal Voltage │ DC 12V / 24V Auto Detect
- Combine / Open Voltage │ DC 13.3V / 12.8V @ 12V
  DC 26.6V / 25.6V @ 24V
- Continuous Current Rating │ 125A
- Intermittent Current Rating │ 140A
- Power Consumption │ 3mA (Standby) / 270mA (Engage) / 0mA (Storage Mode)
- Note │ CE IP67
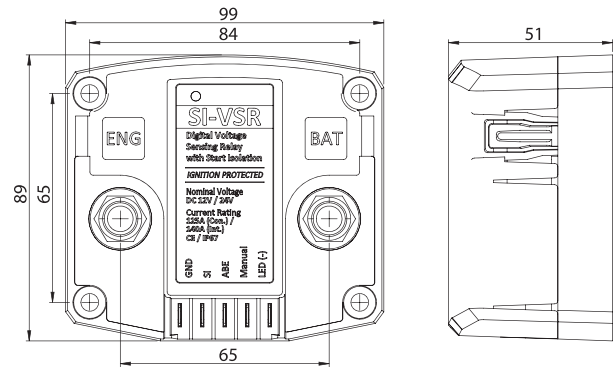
D-VSR with Cable Kit for 2ⁿᵈ Battery
BF452KIT

This Kit provides all the necessary cables, accessories and D-VSR that you need to install the secondary battery. Customer installing this for the first time will find it convenient to have the cables ready in single package.

# Digital Voltage Sensitive Relay (VSR) with Start Isolation

IGNITION PROTECTED

BF453 SI-VSR

BF453 is a higher end Voltage Sensing Relay (VSR) or Automatic Charging Relay (ACR) with more advanced features such as Start Isolation (SI), Auxiliary Battery Charging Extension (ABE) and Manual Override (ON & OFF) in additional to Dual Port Sensing and 12V / 24V Compatibility. This would allow BF453 to better protect the electronics loads in the house battery side and suits more dedicated needs. The upward studs (M10) and configuration terminals design also allows it to be more easily installed than traditional VSR.

Wiring Example for BF453 SI-VSR
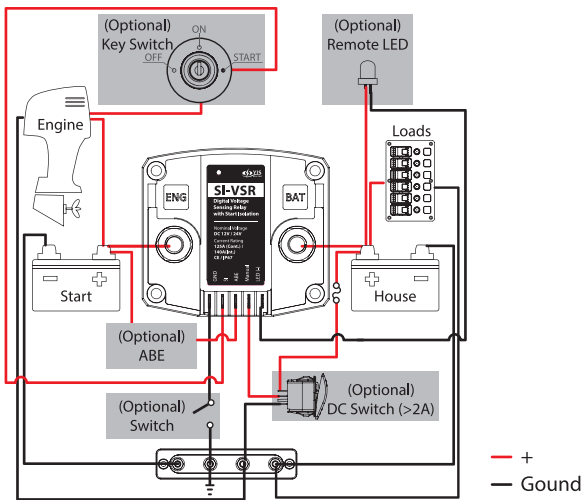
※ Wiring Diagrams are for reference only, consult professionals for wiring suits your needs.

Wiring Example for SI-VSR with Battery Charger
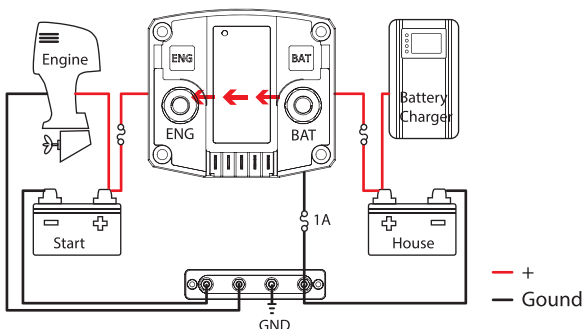
Dual Port Sensing allows Battery Charger charging to Start Battery when engine is off.

Features

■ Automatically combines two batteries when charging and isolates the two batteries when not charging
■ DC 12/24V input auto ranging
■ Sensing voltage from either battery bank
■ Upward studs (M10) and configuration pins allows easier installation
■ Robust Glass Fiber reinforced Nylon enclosure
■ Built-in LED indication (ON when VSR engages)
■ Port for remote LED indicating VSR status (LED not included)
■ Optional Storage Mode allows zero power consumption when engine is off
■ Optional Start Isolation forces to temporary isolate the connection during engine cranking to protect sensitive electronics in the house loads
■ Optional Aux Battery Charging Extension (ABE) allows extra time charging 2nd battery when engine idling by dropping the open voltage to lower 12.25V
■ Over and Under Voltage Lockup protects unintentional grounding of the battery positive

Specifications

■ Nominal Voltage │ DC 12V / 24V Auto Detect
■ Combine / Open Voltage │

	DC 12V		DC 24V	
Combine	13.6V	30 sec.	27.2V	30 sec.
	13.0V	90 sec.	26.0V	90 sec.
Open	12.8V	30 sec.	25.5V	30 sec.
Open(ABE)	12.2V	30 sec.	24.5V	30 sec.

■ Continuous Current Rating │ 125A
■ Intermittent Current Rating │ 140A
■ Power Consumption │ 5mA (Standby) / 300mA (Engage) / 0mA (Storage Mode)
■ Note │ CE IP67 ISO8846/SAE J1171 (Ignition Protected)

Circuit Protections

Modular Design Blade (ATO/ATC/ATP) Fuse Blocks
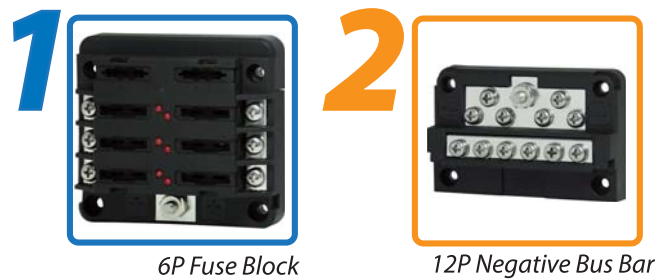
Best Seller | **PATENTED** TW,CH

The BF27x series are compact and solid blade fuse blocks designed for 24-hour circuits. The fuse blocks come with blown fuse indication LEDs, clear cover with recessed areas for label stickers and are available in two versions with different terminals (screw or quick terminals).
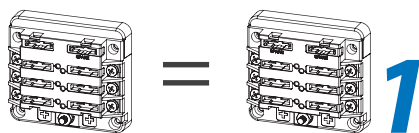
Transparent cover for clear view of fuses

Recessed area for label stickers

M5(#10) Studs

M4(#8) Terminal screws with lock washers

Storage for spare fuses

Screw Terminals
Quick Terminals
Available in Screw or Quick Terminals
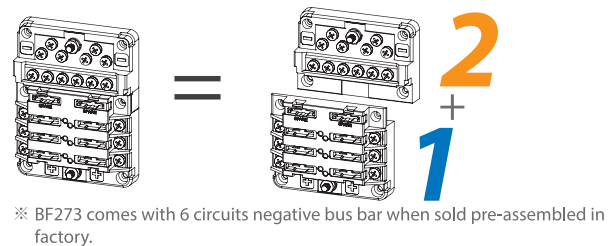
LED indication of blown fuses

Two Modules for all

YIS Marine exclusive modular design – two basic modules can be combined into 4 popular fuse blocks (and more depending on specific needs). The assembly is very simple and can be done by consumers alone (instruction manual included). This not only gives consumers flexibility to expand their current fuse block, but also allows retailers to save precious shelf space in the store.

1 *6P Fuse Block* **2** *12P Negative Bus Bar*

BF271 6P Fuse Block

= **1**

BF273 6P Fuse Block with Negative Bus Bar

= **2** + **1**

※ BF273 comes with 6 circuits negative bus bar when sold pre-assembled in factory.

BF274 12P Fuse Block

= **1** + **1** **1**
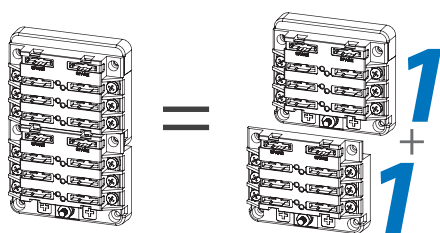
BF275 12P Fuse Block with Negative Bus Bar

= **2** + **1** + **1** **1**
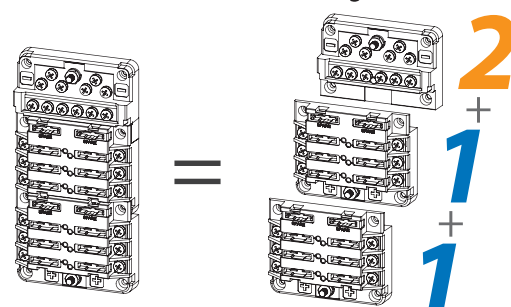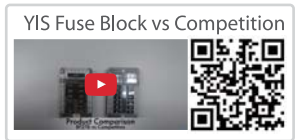
New Compact 2 in 1 model

BF276 2-in-1 Fuse Block in one piece

BF273A=BF271+BF272 (Modular Design)

■ More compact and cost-effective model when you need negative bus bar pre-combined
■ Size reduced by 19%, significant cost reduction
■ Same design language with all same great features

Series Features

■ Accepts Automotive Blade Fuses (ATC/ATO/ATP)
■ Modular Design saves shelf space (2 items can be combined into 4 models)
■ Transparent cover with recessed area for label stickers
■ 60 pieces assorted label stickers set included
■ Storage for 2 spare fuses (for each 6P block)
■ LED indication of blown fuses

Specifications

■ Voltage Rating │ DC 32V Max
■ Amp Rating per Branch │ 30A (Screw Terminals) / 20A (Quick Terminals)
■ Max Cumulative Amp │ 100A per block
■ Terminal Stud Size │ M5 (3/16")
■ Screw Size │ M4 (5/32") (BF27x Only)
■ Note │ Patented in Taiwan(M490103) & China(ZL201420495842.4)

Product Series

Basic modules
The two basic module that can be combined into 4 models at end user's end

BF271 / BF281 (6P Fuse Blocks)

BF272 /BF282 (12P Negative Bus Bar)

Combined Models
Cost-effective combined Fuse Blocks with Negative Bus bar

BF276 / BF286 (6P fuse block + Neg. bus bar)   BF277 / BF287 (12P fuse block + Neg. bus bar)   BF278 / BF288 (12P fuse blocks)

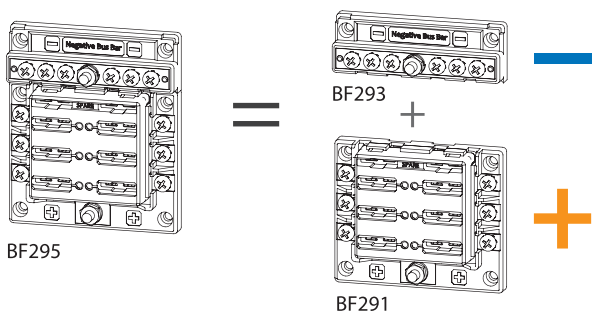| Product ID	Terminals	Circuits	Negative Bus Bar	Product Dimensions (W x L x H)	Note
BF271	Screws (M4)	6	-	86 x 78 x 41 mm	6P Fuse block module
BF281	Quick (0.250")	6	-	86 x 78 x 41 mm	6P Fuse block module
BF272	Screws (M4)	-	12 Circuits	86 x 57 x 41 mm	12P Neg. bus bar module
BF282	Quick (0.250")	-	12 Circuits	86 x 57 x 41 mm	12P Neg. bus bar module
BF276	Screws (M4)	6	6 Circuits	85 x 93 x 36 mm	One-piece fuse block + neg. bus bar
BF286	Quick (0.250")	6	6 Circuits	85 x 93 x 36 mm	One-piece fuse block + neg. bus bar
BF277	Screws (M4)	12	12 Circuits	85 x 132 x 36 mm	One-piece fuse block + neg. bus bar
BF287	Quick (0.250")	12	12 Circuits	85 x 132 x 36 mm	One-piece fuse block + neg. bus bar
BF278	Screws (M4)	12	-	85 x 132 x 36 mm	One-piece fuse block
BF288	Quick (0.250")	12	-	85 x 132 x 36 mm	One-piece fuse block

※ All models can also be sold without covers or without blown fuse indicating LEDs.

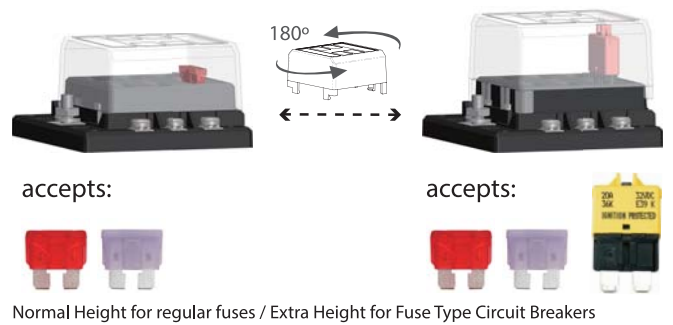# Multi-use Compact Modular Design Blade Fuse Blocks

PATENTED TW,CH

The BF29x series is more compact and economical version of the popular BF27x series. It not only keeps BF27x series signature positive / negative modular design and LED fuse blown indication, but also equipped with new features like circuit breaker type fuse support (with patent pending cover design). The patent pending cover design allows shipping and packaging in compact size while expending the cover height when required by reversing the cover 180 detgrees. BF29x is suitable not only in marine but also in the car/caravan market as a lower-cost alternative to BF27 series.

Transparent cover for clear view of fuses

Recessed area for label stickers

DC SUB PANEL

RADIO | AUTO PILOT
FAN | VHF
LIGHTS | WATER PUMP

M5(#10) Studs

M4(#8) Terminal screws with lock washers

Storage for spare fuses

Screw Terminals
Quick Terminals

Available in Screw or Quick Terminals

LED indication of blown fuses

Signature Positive / Negative Modular Design

BF295

=

BF293

+

BF291

+

Patented dual-use cover design:

180°

accepts:

accepts:

Normal Height for regular fuses / Extra Height for Fuse Type Circuit Breakers

Features

- Accepts standard (ATC/ATO/ATP) blade fuses
- Modular positive and negative bus bar design
- Transparent cover with recessed area for label stickers
- 60 pieces assorted label stickers set included
- Storage for 2 spare fuses
- LED indication of blown fuses

Specifications

- Voltage Rating | DC 32V Max
- Amp Rating per Branch | 30A (Screw Terminals) / 20A (Quick Terminals)
- Max Cumulative Amp | 100A per block
- Terminal Stud Size | M5 (3/16")
- Screw Size | M4 (5/32") (BF29x Only)
- Note | CE Patented in Taiwan(M591252) & China(ZL 2020 2 0206415.5)

Product Series

BF291 / BF291Q

BF293

BF295 / BF295Q

BF292 / BF292Q

BF294 / BF294Q

BF296 BF296Q

Product ID	Terminals	Circuits	Negative Bus Bar	Product Dimensions (W x L x H)	Note
BF291	Screws (M4)	6	–	85 x 72 x 40 mm	–
BF292	Screws (M4)	12	–	85 x 117 x 40 mm	–
BF293	Screws (M4)	–	6 Circuits	85 x 29.75 x 30.9 mm	Negative Bus Bar Module (6P)
BF294	Screws (M4)	–	12 Circuits	85 x 29.75 x 30.9 mm	Negative Bus Bar Module (12P)
BF295	Screws (M4)	6	6 Circuits	85 x 100 x 40 mm	Pre-assembled fuse block w/ bus bar
BF296	Screws (M4)	12	12 Circuits	85 x 145 x 40 mm	Pre-assembled fuse block w/ bus bar
BF291Q	Quick (0.250")	6	–	85 x 72 x 40 mm	–
BF292Q	Quick (0.250")	12	–	85 x 117 x 40 mm	–
BF294Q	Quick (0.250")	–	12 Circuits	85 x 29.75 x 25.2 mm	Negative Bus Bar Module (12P)*
BF295Q	Quick (0.250")	6	12 Circuits	85 x 100 x 40 mm	Pre-assembled fuse block w/ bus bar
BF296Q	Quick (0.250")	12	12 Circuits	85 x 145 x 40 mm	Pre-assembled fuse block w/ bus bar

*Quick terminal negative bus bar (BF294Q) comes without cover due to its upward terminal design; use screw terminal version (BF294) if cover is required.

Watch Video for More

How is YIS Marine BF29X series different from cheap products from Chinese Competitors?

YIS Marine	Other Brand

YIS Marine	Other Brand
AF=9.5mm	AF=8mm
Better connection	Bad connection

YIS Marine	Other Brand
Tooth washer for better grip	Flat washer
	Large holes reduces conductivity
Width: 17.5mm Tin-plated	Width: 15.0mm Nickel-plated

Compact Design Independent Source Blade Fuse Blocks

PATENTED
TW

BF279 / BF289

Patented Dual-height cover

M4 Screws with lock washer

Screw Terminals

Quick Terminals

Available in Screw of Quick terminals

Recessed area for label stickers

LED indication of blown fuses

Patented dual-use cover design
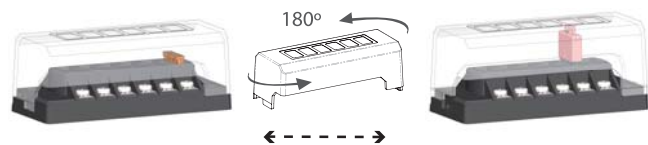
180º

accepts:

accepts:

Normal Height for regular fuses

Extra Height for Fuse Type Circuit Breakers

Features

- ■ Ultra compact size 6 way independent source fuse block
- ■ Can be used for switched circuits and 24-hour circuits in the same block
- ■ Accepts standard (ATC/ATO/ATP) blade fuses
- ■ Patented cover design supports circuit breaker type fuses with extra height
- ■ Transparent cover with recessed area for label stickers
- ■ 60 pieces assorted label stickers set included
- ■ LED indication of blown fuses

Specifications

- ■ Voltage Rating │ DC 32V Max
- ■ Amp Rating per Branch │ 30A (BF279) / 20A (BF289)
- ■ Max Cumulative Amp │ 40A per jumper circuit group
- ■ Screw Size │ M4 (5/32") (BF279)
- ■ Note │ C€ Patented in Taiwan(D214940)

BF279/BF289 Independent Source Fuse Block

24-Hour Circuits
Alarm
Bilge Pump
Clock

Lights
GPS
Stereo
Switched circuits
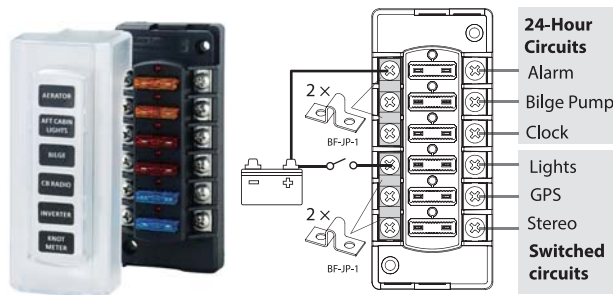
2 × BF-JP-1

2 × BF-JP-1

Can be flexibly divided into 24 hour circuits and switched circuits
* Jumpers are only available for Screw Terminals version (BF279)
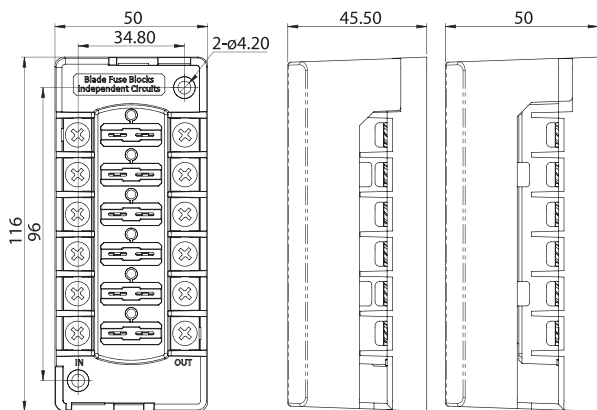
Product Series

BF279 6P Screw Terminals

BF289 6P Quick Terminals

BF-JP-1 Jumper for BF279

50
34.80
2-ø4.20
45.50
50
116
96

CLB / CMB Circuit Breaker Boxes

BF221I(B) 6P Independent Source (B: with PVC Boot)
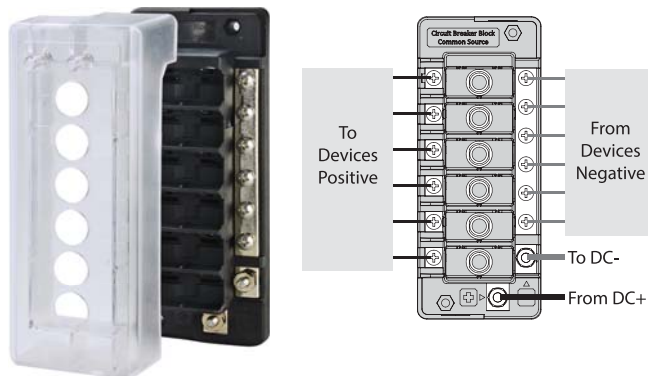BF221C(B) 6P Common Source with Neg. Bus Bar (B: with PVC Boot)

Recessed area for label stickers

M4 Screws with lock washers

Accepts both CLB & CMB style circuit breakers

M5(#10) Studs

Optional PVC Boot for dust and humidity protection

Features

- Install circuit breakers as easy as blade fuses
- Accepts both CLB & CMB circuit breakers
- 100A Positive Bus Bar with M5 (#10) Studs
- M4 (#8) screw terminals accepts ring terminals
- Transparent cover with recessed area for label stickers
- 60 pieces assorted label stickers set included
- Optional push button waterproof boots can be installed on cover

Specifications

- Voltage Rating | DC 32V Max
- Amp Rating per Branch | 30A
- Max Cumulative Amp | 100A per block
- Terminal Stud Size | M5 (3/16")
- Screw Size | M4 (5/32")
- Dimensions | 65.5 x 160 x 56 mm
  65.5 x 160 x 73 mm (with PVC Boot)
- Note | CE

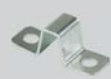### BF221C(B) 6P Common Source with Neg. Bus Bar (B: with PVC Boot)

To Devices Positive

From Devices Negative

To DC-
From DC+

Circuit Breaker Block Common Source

One positive feed in, six protected output to devices

BF221I(B) 6P Independent Source (B: with PVC Boot)

2 × BF-JP-2

2 × BF-JP-2

24-Hour Circuits
Alarm
Bilge Pump
Clock
Lights
GPS
Stereo
Switched circuits
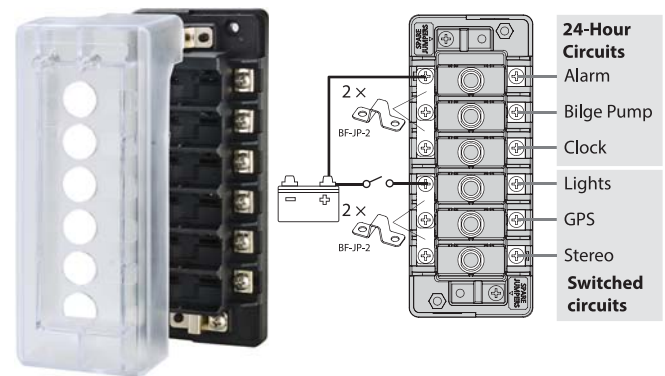
Can be flexibly divided into 24 hour circuits and switched circuits

Related Products

CB-P100	CB-P200	BF-JP-2
Push Reset Circuit Breaker	Mini Size Push Reset Circuit Breaker	Fuse Block Jumpers
DC 12V/24V 3-50A	DC 12V/24V 3-50A	Tin-Plated Brass for use with BF221X

Modern Design Glass-tube AGC Fuse Blocks Series

**PATENTED TW,CH**

BF210 / BF211 / BF212
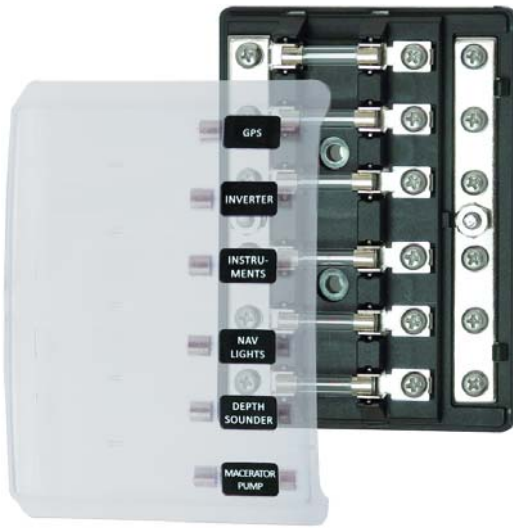
Features

- LED indication of blown fuses
- Redesigned fuse clips hold fuses firmly and steadily
- Transparent cover with recessed area for label stickers and storage for 6 spare fuses
- 60 pieces label stickers included

Specifications

- Base Material ｜ PBT, glass fiber reinforced
- Max Operating Voltage ｜ 32V
- Amp Rating per Branch ｜ 30A
- Max Cumulative Amp ｜ 100A per block
- Screw Size ｜ M4 (5/32")
- Terminal Stud Size ｜ M5 (3/16")
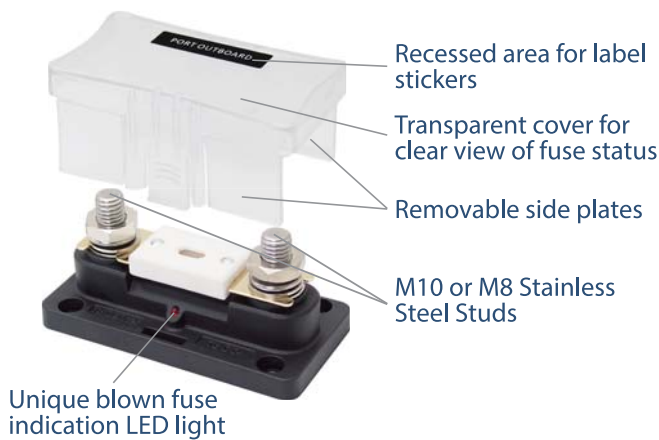- Note | Patented in Taiwan(D182308) & China(ZL201630425859.7)

* M4 screw is comparable to #8-32 screws and M5 stud is comparable to #10-32 Studs.

BF210-6   BF211-6   BF212-6

Storage for spare fuses   LED indication of blown fuses
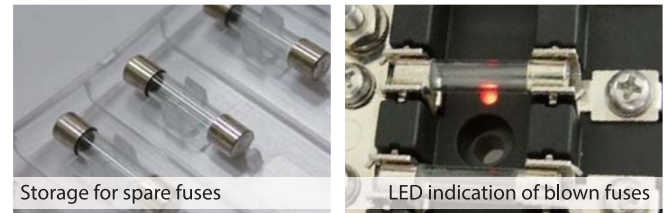
Product ID	Circuits	Positive Source	Negative Bus Bar	Product Dimensions	Note
BF210-6	6	Common Source	6 Circuits	129 x 91 mm	Common Source Fuse Block with Negative Bus Bar
BF211-6	6	Common Source	-	129 x 91 mm	Common Source Fuse Block
BF212-6	6	Independent Source	-	129 x 91 mm	Independent Source Fuse Block

Compact ANL Fuse Holder
BF461 / BF461-M8

Recessed area for label stickers

Transparent cover for clear view of fuse status

Removable side plates

M10 or M8 Stainless Steel Studs
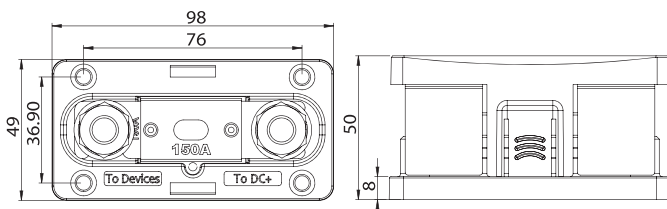
Unique blown fuse indication LED light

Features

- Accepts 35-300A ANL Fuses (not included)
- Compact size 49 x 98 x 50 (W x L x H) mm (including cover)
- Transparent cover for clear view of fuse status
- Cover with recessed area for label stickers (5 pcs assorted label stickers included)
- Bendable / removable side plates for flexible wiring
- Unique blown fuse indication LED light

Specifications

- Max Operation Voltage ｜ DC 32V
- Max Continuous Current ｜ 35-300A (fuse dependent)
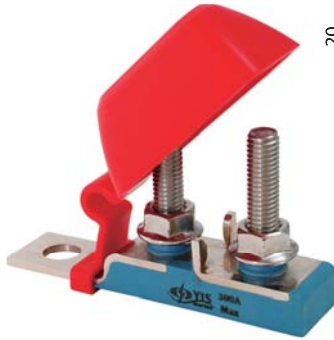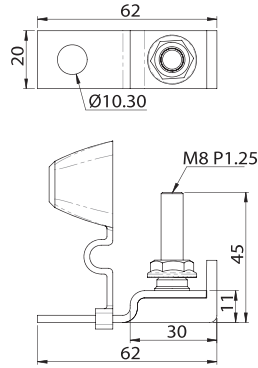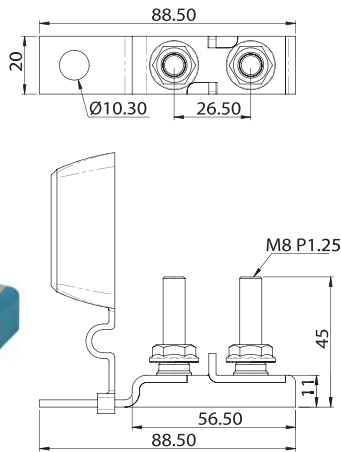- Terminal Stud Size ｜ 2 x M10(3/8") (BF461)
  2 x M8(5/16") (BF461-M8)

98
76
49
36.90
150A
To Devices   To DC+
50
8

MRBF Terminal Fuse Block
BF462 / BF463

BF462

62
20
Ø10.30

M8 P1.25
45
11
30
62

BF463

88.50
20
Ø10.30   26.50

M8 P1.25
45
11
56.50
88.50

Features

- Accepts high-amp MRBF fuse—appropriate for inverter, windlass, bow thruster and DC main circuit protection
- Convenient and compact installation directly on battery studs
- Isolated stud design allowing stacking of M8 (5/16") ring terminals
- TPV Insulating cap preventing accidental shorts circuits
- Accepts M8 (5/16") ring terminals
- Mounts on M10 (3/8") terminal studs – M8 customized version also available.
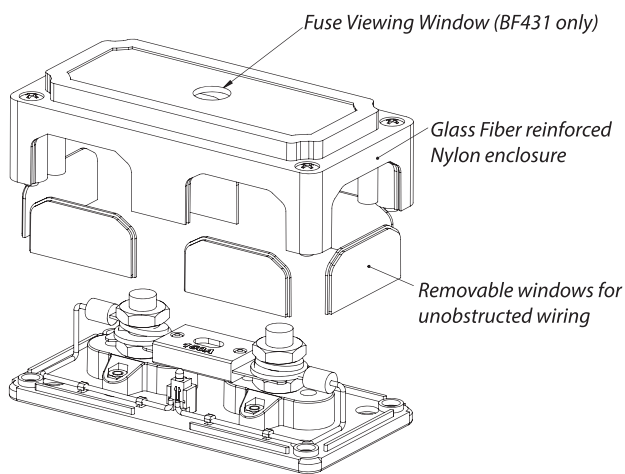- MRBF fuses not included

Other Brand   YIS Marine

Extended Cap neck for easier cover and removal

Other Brand   YIS Marine
Cheap PVC   Ultra Soft TPV

Ultra soft durable TPV Material

Specifications

- Max Operation Voltage | DC 58V
- Max Continuous Current | 30-300A (fuse dependent)
- Terminal Stud Size | M8(5/16")

Heavy-Duty Modular Design Fuse Block & Bus Bars

Module box design for clean, neat and easy wiring configurations

138
123
55
69
45
4×Ø5.2
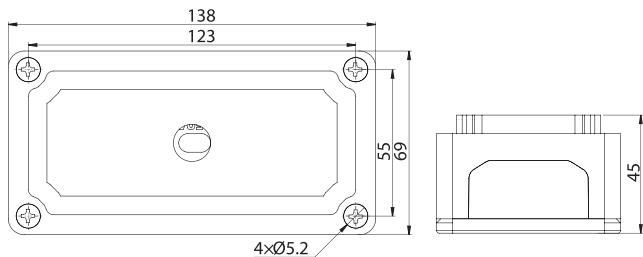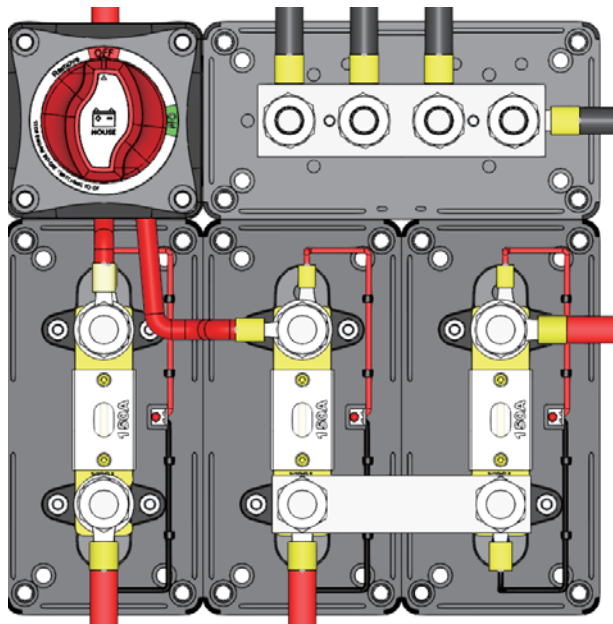
Features

- Module box design for easy wiring configurations
- Robust Glass Fiber reinforced Nylon enclosure
- All models are of the same dimensions (see below)
- 6 removable windows at 4 directions
- Blank write-on space on the top allows easy labeling
- Complete product line including fuse blocks, bus bars and terminal studs

Fuse Viewing Window (BF431 only)

Glass Fiber reinforced Nylon enclosure

Removable windows for unobstructed wiring

Module Design ANL Fuse Box
BF431 Heavy-Duty Modular Design ANL Fuse Box
BF431S Heavy-Duty ANL Fuse Box with Additional Cable Connection Studs

BF431

- Withstands high currents between 100-300A ANL Fuses (not included)
- Open window on the top for clear vision of blown fuse
- LED indication of blown fuse condition (turns on when fuse blows)

Specifications

- Max Operating Voltage | DC 32V
- Max Continuous Amp | 35-300A (determined by fuse)
- Terminal Stud Size | 2 x M10 (3/8")

BF431S

- Additional studs with heavy duty oxygen-free copper bus bar
- Withstands high currents up to 750A ANL Fuses (not included)
- Open window on the top for clear vision of blown fuse
- LED indication of blown fuse condition (turns on when fuse blows)

Specifications

- Bus Materia | Oxygen-free Copper, Nickel plated
- Max Operating Voltage | DC 32V
- Max Continuous Amp | 35-750A (determined by fuse)
- Terminal Stud Size | 4 x M10 (3/8")

Specifications may subject to change, Go to YISMarine.com for the latest product information

Heavy Duty Bus Bar Box
BF432 / BF432-M8 Heavy-Duty Module Design Bus Bar Box with 4 Terminal Studs

- Highest amperage rated bus bar (300A) with M10 terminal studs (also available in M8)
- Blank write-on space on the top allows easy labeling for each branch

Specifications
- Bus Material | Brass, Nickel plated
- Max Operating Voltage | DC 48V
- Max Continuous Amp | 300A
- Terminal Stud Size | 4 x M10 (3/8") (BF432) / 4x M8 (5/16") (BF432-M8)

Heavy Duty Bus Bar Box
BF433 Heavy-Duty Module Design Bus Bar Box with 2 x M10 Terminal Studs & 6 x M5 Screws

- Highest amperage rated bus bar (300A) with M10 terminal studs
- Blank write-on space on the top allows easy labeling for each branch

Specifications
- Bus Material | Brass, Nickel plated
- Max Operating Voltage | DC 48V
- Max Continuous Amp | 300A
- Terminal Stud Size | 2 x M10 (3/8")
- Screw Size | 6 x M5 (3/16")

Heavy Duty Dual Bus Bar Box
BF434 Heavy-Duty Modular Design Dual Bus Bars with Connecting Link

- Dual Bus Bar with removable connecting link
- Nickel plated brass bus bar allowing current up to 100A
- Blank write-on space on the top allows easy labeling for each branch

Specifications
- Bus Material | Brass, Nickel plated
- Max Operating Voltage | DC 48V
- Max Continuous Amp | 100A
- Terminal Stud Size | 4 x M6 (1/4")
- Screw Size | 12 x M4 (5/32")

4 Way Heavy-Duty Terminal Studs Box
BF435 Heavy-Duty Modular Design Terminal Studs with Insulation Partition

- Allow terminating of heavy-duty cables for one or more connections (each terminal)
- Removable insulation partition included
- Heavy duty terminal studs (up to M10), allowing current up to 200A (rating determined by wires connected)
- Terminal Studs available in M8 or M10 (Default: M10)
- Blank write-on space on the top allows easy labeling for each branch

Specifications
- Max Operating Voltage | DC 48V
- Max Amp per circuit | Determined by wires connected
- Terminal Stud Size | 4 x M10 (3/8")

Classic Fuse Block & Bus Bars

Common Source AGC Fuse Blocks
BF201(2P-12P)

Dimensions	
Product ID	Dimensions (H x W)
BF201-2P	57 x 31 mm
BF201-4P	57 x 62 mm
BF201-6P	57 x 93 mm
BF201-8P	57 x 126 mm
BF201-10P	57 x 157 mm
BF201-12P	57 x 188 mm

Specifications

- Base Material | ABS + Glass Fiber
- Clip Material | Brass
- Max Operating Voltage | DC 32V
- Max Amp per circuit | 20A
- Max Cumulative Amp | 60A
- Screw Size | M5 x P0.8 x 6

Reinforced Nylon Base Glass-tube AGC Fuse Blocks
BF202 / BF205 / BF206 (4P, 6P, 8P)

Specifications

- Base Material | Nylon, Glass Fiber reinforced
- Clip Material | Brass
- Max Operating Voltage | DC 32V
- Max Amp per circuit | 20A
- Max Cumulative Amp | See each model
- Screw Size | No.8-32 x 1/4

Product ID	BF202	BF206	BF205
Description	Common Source Fuse Block with Negative Bus	Common Source Fuse Block	Independent Source Fuse Block
Positive Source	Common Source	Common Source	Independent Source
Negative Bus Bar	Yes	None	None
Max Cumulative Amp	80A	50A	-
Dimensions (L x W)			
4P	84 x 76 mm	62 x 76 mm	62 x 76 mm
6P	84 x 114 mm	62 x 114 mm	62 x 114 mm
8P	84 x 152 mm	62 x 152 mm	62 x 152 mm

Bus Bars

Dual Bus Bars
BF204(4P-8P)

Dimensions	
Product ID	Dimensions (H x W)
BF204-4P	38 x 76 mm
BF204-6P	38 x 114 mm
BF204-8P	38 x 152 mm

Specifications

- Base Material | Nylon, Glass Fiber reinforced
- Bus Material | Brass
- Max Operating Voltage | DC 32V
- Max Cumulative Amp | 60A for each bus
- Screw Size | No.8-32x1/4

Large Current Bus Bar
BF207 (10P)

Specifications

- Base Material | PBT, Glass Fiber reinforced
- Bus Material | Copper, Brass-plated
- Max Operating Voltage | DC 48V
- Max Cumulative Amp | 150A
- Screw Size | No.8-32 x 1/4
- Terminal Stud Size | M6 x 25mm
- Dimensions (L x W) | 146 x 31.5mm

Fuses (Glass-tube Fuses / Automotive Blade Fuses & Other Fuses)

JMC / JTG Fuses | Japanese standard size 6.3 x 30mm glass-tube fuses

JMC Fuses
Fast-acting
glass-tube fuses

Specifications	
Dimension	Φ6.3 x 30.0mm
Cap Material	Nickel-plated Brass
Max. Voltage	DC 32V, AC 250V
Amps	0.1A-30A
Note	RoHS Compliant

GMA / GTE Fuses | Mini size glass-tube fuses (5 x 20mm)

GMA Fuses
Mini-size fast-acting
glass-tube fuses

Specifications	
Dimension	Φ5.0 x 20.0mm
Cap Material	Nickel-plated Brass
Max. Voltage	AC 250V
Amps	0.1A-20A
Note	RoHS Compliant UL, CSA for 10A and less

ATO/ATC/ATP – Standard Blade Fuses
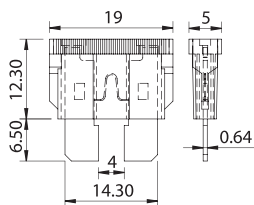
Product ID	Amps	Color Coding
F-ATP-1A	1 A	Black
F-ATP-2A	2 A	Gray
F-ATP-3A	3 A	Violet
F-ATP-4A	4 A	Pink
F-ATP-5A	5 A	Tan
F-ATP-7.5A	7.5 A	Brown
F-ATP-10A	10 A	Red
F-ATP-15A	15 A	Lt. Blue
F-ATP-20A	20 A	Yellow
F-ATP-25A	25 A	Natural
F-ATP-30A	30 A	Lt. Green

- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse

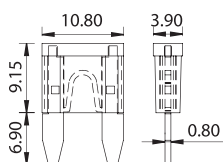## ATO/ATC/ATP Fuses – Standard Blade Fuses with Blown Indication Lamp
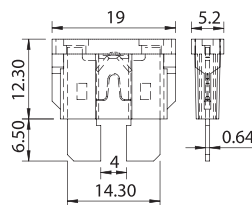
Product ID	Amps	Color Coding
F-ATPL-3A	3 A	Violet
F-ATPL-4A	4 A	Pink
F-ATPL-5A	5 A	Tan
F-ATPL-7.5A	7.5 A	Brown
F-ATPL-10A	10 A	Red
F-ATPL-15A	15 A	Lt. Blue
F-ATPL-20A	20 A	Yellow
F-ATPL-25A	25 A	Natural
F-ATPL-30A	30 A	Lt. Green

- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse
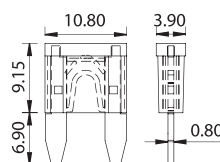- Indicating lamp lights up when fuse is blown

ASP/ATM/Mini – Mini Blade Fuses

Product ID	Amps	Color Coding
F-ATM-2A	2 A	Gray
F-ATM-3A	3 A	Violet
F-ATM-4A	4 A	Pink
F-ATM-5A	5 A	Tan
F-ATM-7.5A	7.5 A	Brown
F-ATM-10A	10 A	Red
F-ATM-15A	15 A	Lt. Blue
F-ATM-20A	20 A	Yellow
F-ATM-25A	25 A	Natural
F-ATM-30A	30 A	Lt. Green

- Compact size
- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse

## ASP/ATM/Mini – Mini Blade Fuses with Blown Indication Lamp

Product ID	Amps	Color Coding
F-ATML-3A	3 A	Violet
F-ATML-4A	4 A	Pink
F-ATML-5A	5 A	Tan
F-ATML-7.5A	7.5 A	Brown
F-ATML-10A	10 A	Red
F-ATML-15A	15 A	Lt. Blue
F-ATML-20A	20 A	Yellow
F-ATML-25A	25 A	Natural
F-ATML-30A	30 A	Lt. Green

- Compact size
- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse
- Indicating lamp lights up when fuse is blown

MAXI / ATX – Heavy-duty Blade Fuses
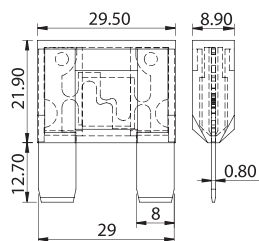
- Heavy-duty blade fuse protects circuits up to 80A
- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse
- Optional gold plated terminals available

Product ID	Amps	Color Coding
F-ATX-20A	20 A	Yellow
F-ATX-30A	30 A	Green
F-ATX-40A	40 A	Orange
F-ATX-50A	50 A	Red
F-ATX-60A	60 A	Blue
F-ATX-70A	70 A	Tan
F-ATX-80A	80 A	Natural

Dual-Purpose Fuse Tester/Puller
F-FT-1

- Indicating Green LED for easy identification of blown fuse in fuse box
- Adjustable probe pitch allowing test on fuses of different sizes: MAXI, ATO/ATC, ATM
- Fuse puller for easy removal of blown fuse

Watch Intro Video on Youtube

How to Replace the Battery

Other Fuses

ANL Fuses– Fuses for high amperage applications

IGNITION PROTECTED
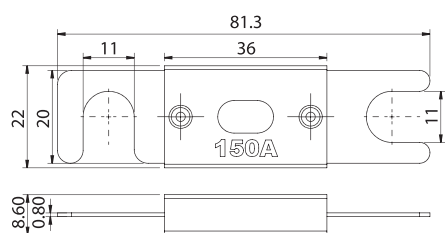
- Body Material: See Below
- Metal Element: Brass, Gold Plated
- Voltage: 32V DC
- Ignition Protected (ISO8846) model available at extra cost

Electrical characteristics	
% of Amp. Rating	Blowtime
100% Rating	4 Hours,Minimum
150% Rating	60 Sec.,Minimum
200% Rating	15 Sec.,Minimum

| Product ID	Amps	Body Material
F-ANL-35A	35A	Nylon + Glass Fiber
F-ANL-50A	50 A	Nylon + Glass Fiber
F-ANL-70A	70 A	Nylon + Glass Fiber
F-ANL-100A	100 A	Ceramic
F-ANL-150A	150 A	Ceramic
F-ANL-200A	200 A	Ceramic
F-ANL-250A	250 A	Ceramic
F-ANL-300A	300 A	Ceramic
F-ANL-350A	350 A	Ceramic
F-ANL-400A	400 A	Ceramic

Standard Version

ISO8846 Certified Version (Fully Potted)

Circuit Breakers

Single Pole Thermal Circuit Breaker
CB-E95/E98 Manual Reset
CB-E96/E99 Switchable Reset (Manual ON-OFF)
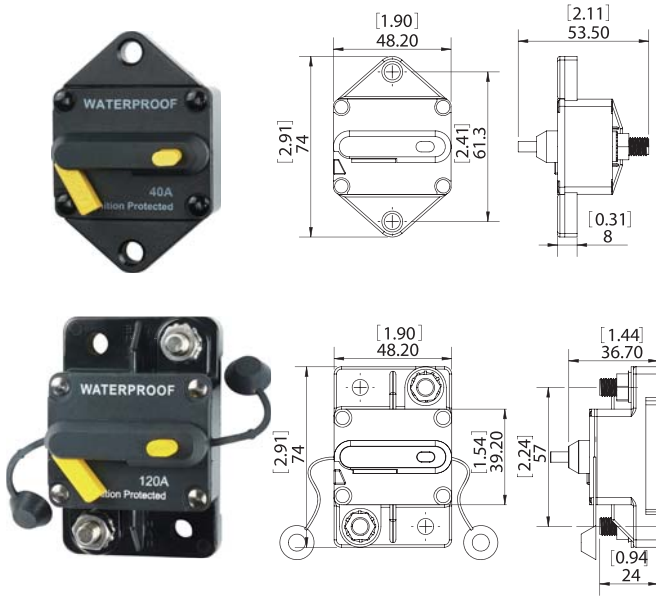
Features

■ Trip-free safety design – cannot be closed after trip
■ IP67 – Protection even under temporary water immersion
■ Visible reset lever indicating open condition
■ Manual OPEN button to manually isolate the circuit (CB-E96 / E99 Only)
■ Available in surface mount or panel mount models
■ Ignition protected – safe for use in engine compartment

Specifications

■ Interrupting Capacity (AIC) │ 3,000A @ DC 48V
■ Voltage Rating │ DC 48V Max
■ Current Rating │ DC 25 – 150A
■ Terminal Studs │ 1/4" – 28
■ Note │ CE SAE J1625 / ABYC E-11 / SAE J1171 / UL 1500 / IP67

Product ID	CB-E95	CB-E96	CB-E98	CB-E99
Mounting	Panel Mount	Panel Mount	Surface Mount	Surface Mount
Function Type	Manual Reset	Switchable Reset	Manual Reset	Switchable Reset

---

ATC Fuse Type Circuit Breaker
CB-E39

IGNITION PROTECTED
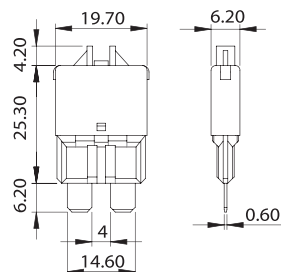
Features

■ Low profile design
■ Thermal Type Circuit breaker with Manual Reset button
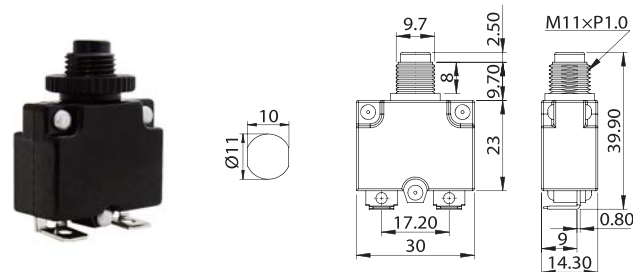■ Compatible with ATC fuse blocks

Specifications

■ Interrupting Capacity (AIC) │ 2,000A @ DC 28V
■ Voltage Rating │ DC 28V Max
■ Current Rating │ DC 5 – 30A
■ Note │ SAEJ 553 / SAEJ 1171 / UL1500 / ISO8846
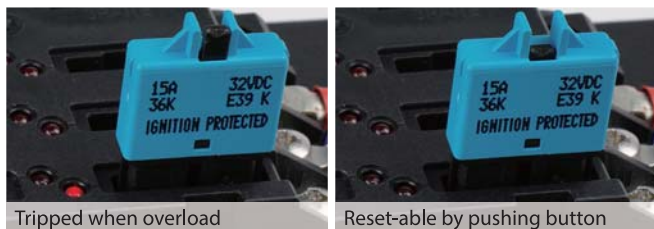
Tripped when overload   Reset-able by pushing button

Push Reset Circuit Breaker
CB-P100

10.50 M12×P1.0
8 12 3
11
Ø12
31
57.10
21.30
35
0.80
9
14.30

Mini Size Push Reset Circuit Breaker
CB-P200
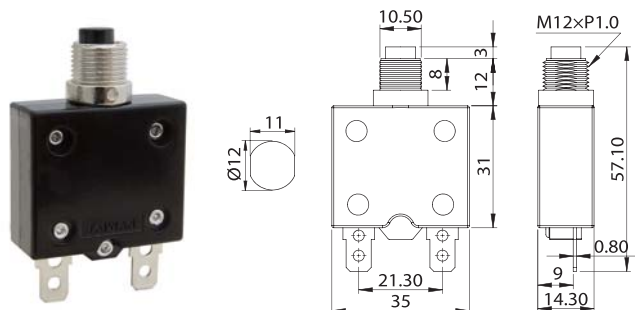
9.7 2.50 M11×P1.0
8 9.70
10
Ø11
23
17.20
30
39.90
0.80
9
14.30

Specifications

■ Voltage Rating │ DC 50V, AC 125V/250V
■ Amps │ 3A-50A
■ Dielectric Strength │ AC 1500V/1 Minute
■ Interrupting Capacity │ 1000A @125VAC , 2000A @250VAC
■ Insulation Resistance │ > 100 MΩ
■ Note │ 🆁🆄 Approval : 3-30A 125/250V AC

Specifications

■ Voltage Rating │ DC 50V, AC 125V/250V
■ Amps │ 3A-20A
■ Dielectric Strength │ AC 1500V/1 Minute
■ Interrupting Capacity │ 1000A @125VAC,1000A @250VAC
■ Insulation Resistance │ > 100 MΩ
■ Note │ 🆁🆄 Approval: 3-15A 125/250V AC

Coding Guide for Circuit Breakers with Accessories

CB-P100□□□□ - □□A - □□
　　　(1)　　(2) (3) (4) (5)　　(6)　　　(7)

(1) Model #	(2) Bushing	(3) Nuts	(4) Nameplate	(5) Terminal	(6) Current Rating
P100　Standard	H　Metal M11x1.0	H　Hex Nut	None	180°	□□ A　□□ Amp
P200　Mini-sized	L　Metal M12x1.0 (CB-P100 only)	P　Plastic Nut (CB-P200 only)	W　with nameplate	F　90°	
	P　Plastic M11x1.0 (CB-P200 only)				

(7) Rubber Boot

Shape	Color
None	B　Black
3　Type 1	C　Clear
4　Type 2	

Nuts

14
M12×P1.0

Ø18.20
M11×P1.0

Hex Nut　　Plastic Nut

Nameplate

CIRCUIT-BREAKER
PRESS TO RESET
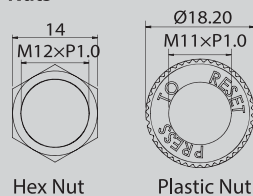
Terminal Specification

180°　　90°

Rubber Boots

Ø18.50
16.50

CB-RB3B (M12)　　CB-RB3C (M12)
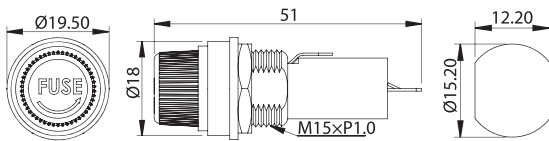
Ø15
13

CB-RB4B (M11)　　CB-RB4C (M11)
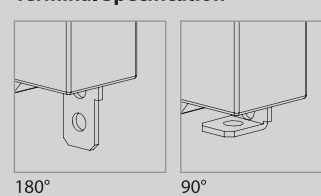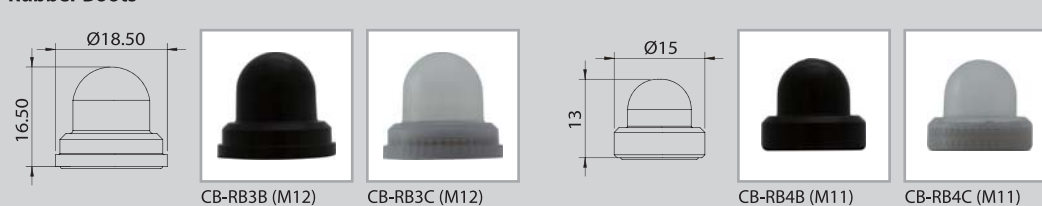
Fuse Holders

Panel Mount Fuse Holder with Screw Cap
BF101

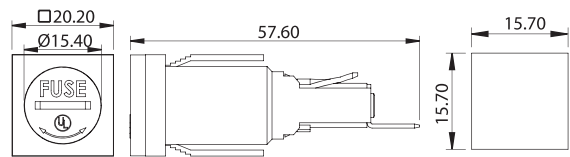- For 6.3 x 32mm (AGC or ATE) or 6.3 x 30mm (JMC or JTG) fuses
- Bakelite body
- Water-resistant screw cap
- Solder terminal

Ø19.50　Ø18　51　M15×P1.0　12.20　Ø15.20
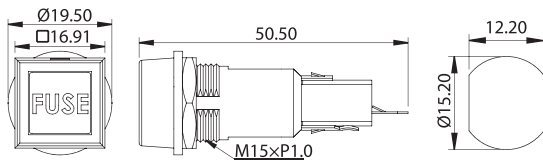
Square Panel Mount Fuse Holder with Slotted Bayonet Cap
BF105

- For 6.3 x 32mm (AGC or ATE) or 6.3 x 30mm (JMC or JTG) fuses
- Bakelite body
- Slotted bayonet cap
- 0.250" Quick Connect Terminal

□20.20　Ø15.40　57.60　15.70　15.70

Square Panel Mount Fuse Holder with Push-in Cap
BF103

- For 6.3x 32mm (AGC or ATE) or 6.3 x 30mm (JMC or JTG) fuses
- Bakelite body
- Push-in cap available in red or white
- Solder terminal

Ø19.50　□16.91　50.50　M15×P1.0　12.20　Ø15.20

Panel Mount Fuse Holder with Screw Cap
BF110
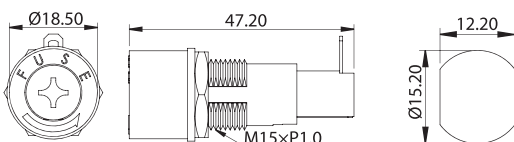
- For 6.3 x 32mm (AGC or ATE) or 6.3 x 30mm (JMC or JTG) fuses
- Bakelite body
- Water-resistant screw cap
- 0.250" Quick Connect Terminal

Ø19.50　Ø18　59　M15×P1.0　12.20　Ø15.20
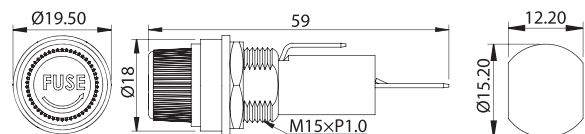
Panel Mount Fuse Holder with Screw Cap
BF104

- For 6.3 x 32mm (AGC or ATE) or 6.3 x 30mm (JMC or JTG) fuses
- Bakelite body
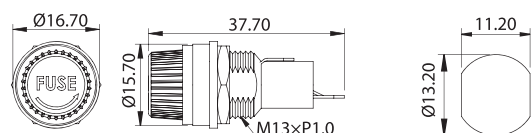- Screw cap with Phillips drive
- Solder terminal

Ø18.50　47.20　M15×P1.0　12.20　Ø15.20

Panel Mount Fuse Holder with Screw Cap
BF102

- For 5 x 20mm (GMA or GTE) fuses
- Bakelite body
- Water-resistant screw cap
- Solder terminal

Ø16.70　Ø15.70　37.70　M13×P1.0　11.20　Ø13.20

Coding Guide for pre-wired in-line fuse holders

BF-301 - □ - □ □□ # - □□"
(1)   (2)   (3)   (4)

(1) Wire Leads	(2) Wire Spec	(3) Wire Gauge	(4) Wire Length
- Unwired	A UL1007	22# AWG	XX" length in inches
L Loop Lead	B UL1015		
C Cut			
S Semi-stripped			
T Tinned (stripped)			

---

for AGC/JMC fuses

In-Line Fuse Holder for AGC/JMC Fuses
BF309

- For 6.3 x 32mm (AGC/ATE) or 6.3 x 30mm (JMC/JTG) fuses
- Amperage rating: Max 30A
- Wire Gauge: #14-#18 AWG

Water-resistant In-Line Fuse Holder for AGC/JMC Fuses
BF308

- For 6.3 x 32mm (AGC/ATE) or 6.3 x 30mm (JMC/JTG) fuses
- Wire Gauge: #16-#18
- Water-resistant (for #16-#18 AWG wires only)

In-Line Fuse Holder for AGC/JMC Fuses
BF302

- For 6.3 x 32mm (AGC/ATE) or 6.3 x 30mm (JMC/JTG) fuses
- Bakelite body
- Wire Gauge: #10-#22 AWG

In-Line Fuse Holder for AGC/JMC Fuses
BF310

- For 6.3 x 32mm (AGC/ATE) or 6.3 x 30mm (JMC/JTG) fuses
- Wire Gauge: #14-#20 AWG

In-Line Fuse Holder for AGC/JMC Fuses
BF301

- For 6.3 x 32mm (AGC or ATE) or 6.3 x 30mm (JMC or JTG) fuses
- Wire Gauge : #16-#22 AWG

In-Line Fuse Holder with 3-pin connector (pre-wired)
BF304

BF301 with 3-pin connector (pre-wired)

In-Line Fuse Holder with 2-pin connector (pre-wired)
BF305

BF301 with 2-pin connector (pre-wired)
- BF305A : Standard Type
- BF305B : Mini Type

for GMA fuses

In-Line Fuse Holder for GMA/GTE Fuses
BF303

- For 5 x 20mm (GMA/GTE) fuses
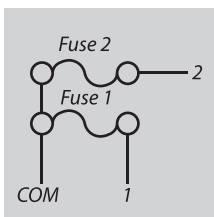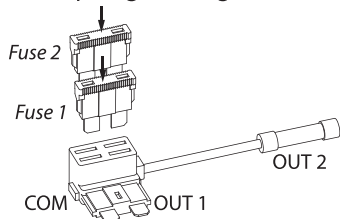- Wire Gauge: #16-#22 AWG

Add-A-Circuit In-line Fuse Holders
BF357 - for ATC/ATO/ATP Fuses
BF357S - for ATM Fuses

- Add a second protected circuit easily
- 2P fuse holder (1 common source input, 2 outputs)
- Wire Gauge: #14 - #18 (Default: #16/ 127mm long)
- Amperage Rating: Max 30A

Fuse 2
Fuse 1

Fuse 2
Fuse 1
2
COM   1

Wiring Diagram

OUT 2
COM   OUT 1

Watch Intro Video on Youtube

Water-resistant In-Line Fuse Holder for Automotive Fuses
BF353

- Water-resistant with cap
- Molded wiring for better sealing
- Available in 3 different sizes

Product Series			
Product ID	Compatible Fuses	Wire Gauge	Amp Rating
BF353S	ATM/ASP	#12-#16	30A
BF353	ATC/ATO/ATP	#10-#18	30A
BF353L	MAXI/ATX	#6 - #8	80A

In-Line Fuse Holder for ATC/ATO/ATP and ATM Fuses
BF356

- Concave shape allowing clear view of blown fuses
- Molded wiring for better sealing

Product Series			
Product ID	Compatible Fuses	Wire Gauge	Amp Rating
BF356S	ATM/ASP	#12-#20	30A
BF356	ATC/ATO/ATP	#10-#18	30A

Water-resistant In-Line Fuse Holder for ATC/ATO/ATP Fuses
BF351

- For ATC/ATO/ATP automotive fuses
- Amperage rating: Max 30A
- Wire Gauge: #10-#18 AWG
- Molded wiring for better sealing
- Water-resistant

Water-resistant In-Line Fuse Holder for ATC/ATO/ATP Fuses
BF354

- For ATC/ATO/ATPautomotive fuses
- Available in blue or red
- Amperage rating: Max 20A
- Wire Gauge: #14-#18 AWG

In-Line Fuse Holder for ATC/ATO/ATP Fuses
BF352

- For ATC/ATO/ATP automotive fuses
- Amperage rating: Max 20A
- Wire Gauge: #10-#18 AWG
- Cap with see-thru window for clear view of blown fuses
- Holder for spare fuse or for mounting of multiple fuse holders

In-Line Fuse Holder for ATC/ATO/ATP Fuses
BF355

- For ATC/ATO/ATP automotive fuses
- Low cost model
- Amperage rating: Max 20A
- Wire Gauge: #14-#18 AWG

Connectors & Buses

Heavy-Duty Bus Bars (Imperial Threading - Upgraded 2020)

- Imperial threading screws and studs for US market
- Optional insulation cover
- Tin-plated copper bus allowing large current (100A up)
- Stainless steel screws and studs provide great anti-corrosion ability on board
- Upgraded design with Serrated Flange Nuts encourages correct installation of ring terminals
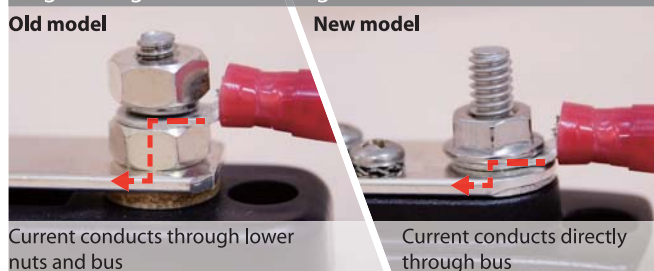- Can be customized in Metric Threading with MOQ

Specifications

- Voltage Rating │ DC 48V Max
- Studs and Screws │ Stainless Steel
- Bus Bar │ Tin-Plated Copper

Product ID	Studs	Screws	Rating
BF471	2 x 3/16"-24	5 x #8-32	100A
BF472	4 x 3/16"-24	-	100A
BF473	2 x 1/4"-20	10 x #8-32	150A
BF474	4 x 1/4"-20	-	150A
BF475	2 x 1/4"-20	20 x #8-32	150A
BF476	6 x 1/4"-20	-	150A
BF477	2 x 1/4"-20	12 x #8-32	150A
BF478	4 x 5/16"-18	-	250A
BF479	6 x 5/16"-18	-	250A
BF480	2 x 5/16"-18	12 x #10-24	250A
BF481	4 x 3/8"-16	-	600A
BF482	8 x 3/8"-16	-	600A

Upgrades from old models

Single Flanged Nut encourages correct installations

Old model | New model

Current conducts through lower nuts and bus | Current conducts directly through bus

Rounded bus edge allows more flexible wiring

Old model | New model

Cable connected in 3 directions only | Cable can be connected in all directions with rounded edges
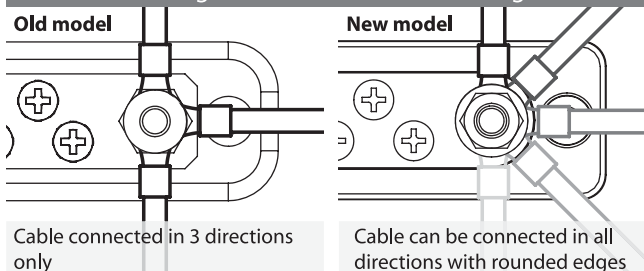
Mini Bus Bars (100A)

BF471 / BF471C (with cover)

[0.902] 22.90
90.50 [3.563]
106.70 [4.201]
[1.260] 32
[0.551] 14

BF472 / BF472C (with cover)

22 [0.866]
[0.902] 22.90
90.50 [3.563]
106.70 [4.201]
[1.260] 32
[0.551] 14
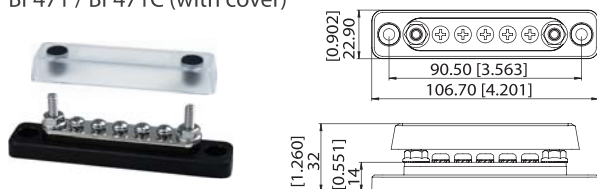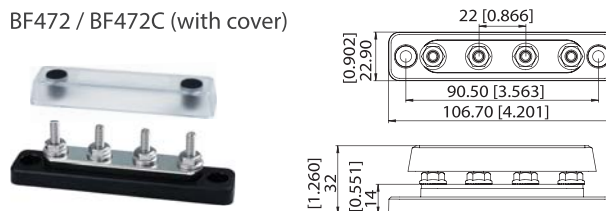
Common Bus Bars (150A)
Standard 150A bus bar with sturdy design

BF473 / BF473C (with cover)

[1.252] 31.80
133.35 [5.250]
149 [5.866]
[1.299] 33
[0.571] 14.50

BF474 / BF474C (with cover)

34.40 [1.354]
[1.252] 31.80
133.35 [5.250]
149 [5.866]
[1.299] 33
[0.571] 14.50

BF477 / BF477C (with cover)

[1.252] 31.80
133.35 [5.250]
149 [5.866]
[1.299] 33
[0.571] 14.50
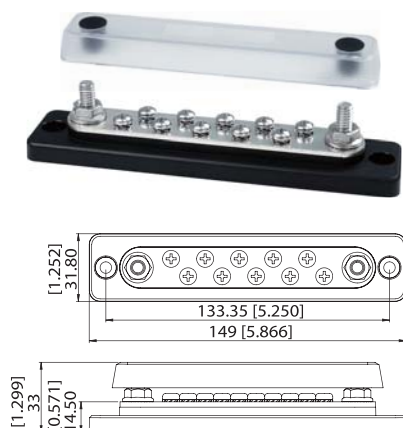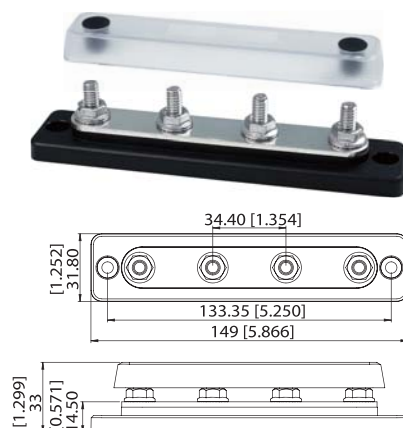
BF475 / BF475C (with cover)

BF476 / BF476C (with cover)

[1.252] 31.80
215.90 [8.500]
231.78 [9.125]

[1.299] 33
[0.571] 14.50

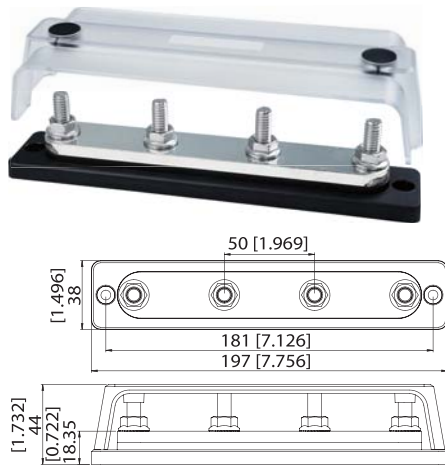36.60 [1.441]
[1.252] 31.80
215.90 [8.500]
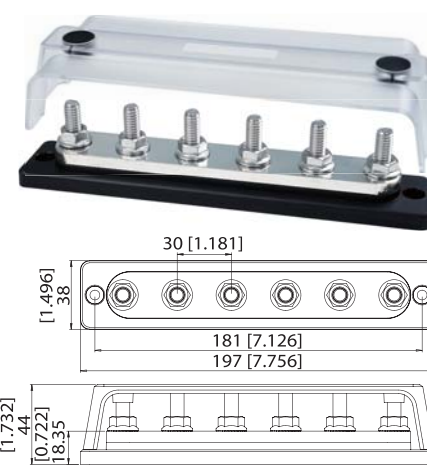231.78 [9.125]

[1.299] 33
[0.571] 14.50
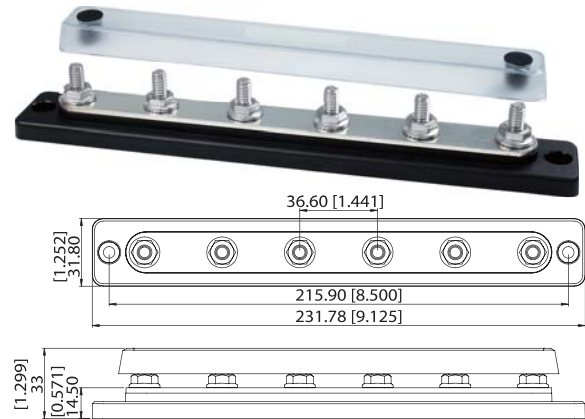
MaxiPower Bus Bar (250A)
Heavy Duty copper bus bars carry current up to 250A
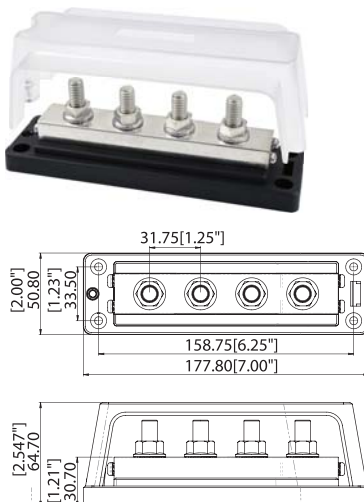
BF478 / BF478C (with Cover)

BF479 / BF479C (with Cover)

BF480 / BF480C (with Cover)

50 [1.969]
[1.496] 38
181 [7.126]
197 [7.756]

[1.732] 44
[0.722] 18.35

30 [1.181]
[1.496] 38
181 [7.126]
197 [7.756]

[1.732] 44
[0.722] 18.35

[1.496] 38
181 [7.126]
197 [7.756]

[1.732] 44
[0.722] 18.35
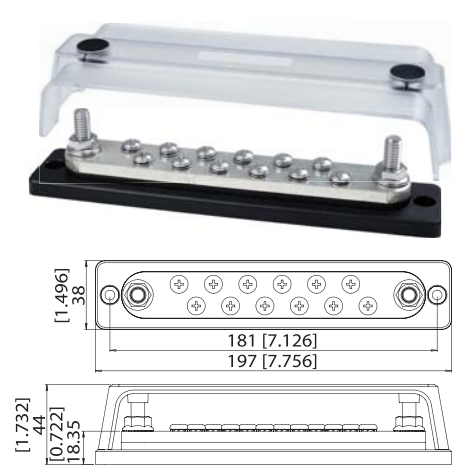
Ultra Power Bus Bar (600A)
Bus bars with very large current up to 600A

BF481 / BF481C (with Cover) New

BF482 / BF482C (with Cover)

New Hybrid Locking Mechanism

31.75[1.25"]
[2.00"] 50.80
[1.23"] 33.50
158.75[6.25"]
177.80[7.00"]

[2.547"] 64.70
[1.21"] 30.70

31.75[1.25"]
[2.01"] 51
[1.13"] 28.60
263.50[10.37"]
288.90[11.37"]

[2.01"] 51
[1.25"] 31.70
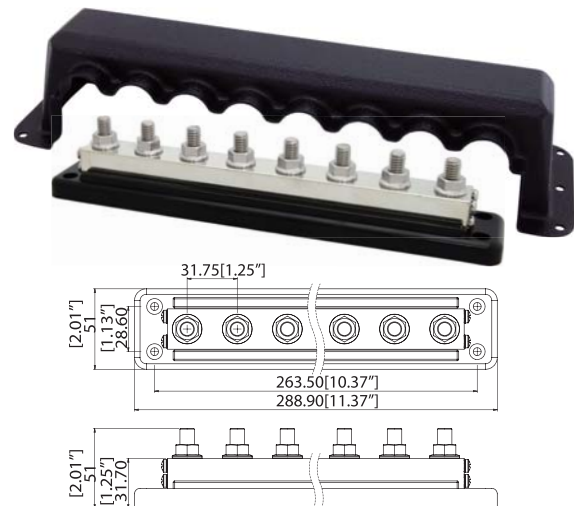
Marine Grade Bus Bars (Metric Threading)

- Metric threading screws and studs
- Glass fiber reinforced Nylon base ensures great mechanical strength and durability
- Optional transparent insulating cover with recessed area for label stickers
- Tin-plated copper bus allowing current up to 150A
- Stainless steel studs and screws provide great anti-corrosion ability on board
- Insulated base ensures no leakage to metal hulls

Upgrades from old models

Transparent cover for all models

Insulated base ensures no leakage to metal hulls

New compact base for single bus bars

Old

New

43mm

19mm

Bus height differentials allow cable output from the same side (BF427)

Single Bus Bars
Compact size bus bars with ample 150A capacity

BF421-6P / BF425-6P
BF421C-6P / BF425C-6P (with cover)

BF421-12P/ BF425-12P
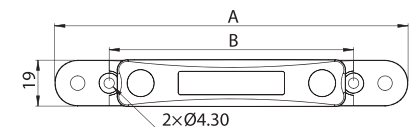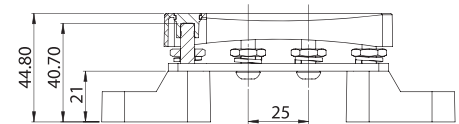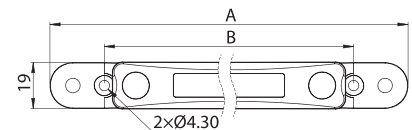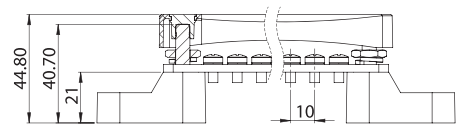BF421C-12P / BF425C-12P (with cover)

44.80 40.70 21 10

A B 19 2×Ø4.30

BF423-4P
BF423C-4P (with cover)

BF423-6P
BF423C-6P (with cover)

44.80 40.70 21 25

A B 19 2×Ø4.30

Product ID	Studs	Screws	A. Length (mm)	B. Mounting Centers (mm)	Rating	Bus Material
BF421-6P	2 x M6 (1/4")	6 x M4 (5/32")	146	101	100A	Brass
BF421-12P	2 x M6 (1/4")	12 x M4 (5/32")	206	161	100A	Brass
BF425-6P	2 x M6 (1/4")	6 x M4 (5/32")	146	101	150A	Copper
BF425-12P	2 x M6 (1/4")	12 x M4 (5/32")	206	161	150A	Copper
BF423-4P	4 x M6 (1/4")	-	146	101	100A	Brass
BF423-6P	6 x M6 (1/4")	-	206	161	100A	Brass

Common Bus Bars
Standard common bus bars with 10 or 22 terminals

BF424-10P   BF424-22P
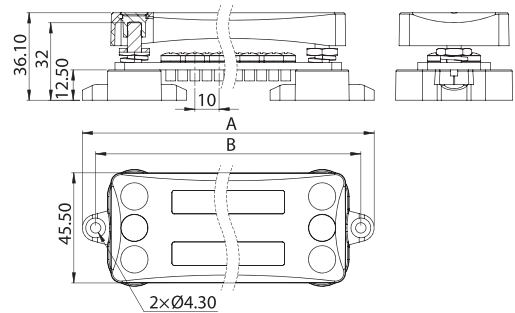BF424C-10P (with cover)   BF424C-22P (with cover)

Product ID	Studs	Screws	A. Length (mm)	B. Mounting Centers (mm)	Rating
BF424-10P	2 x M6 (1/4")	10 x M4 (5/32")	118	107	150A
BF424-22P	2 x M6 (1/4")	22 x M4 (5/32")	178	167	150A

Dual Bus Bars
Dual bus bars with removable connecting link

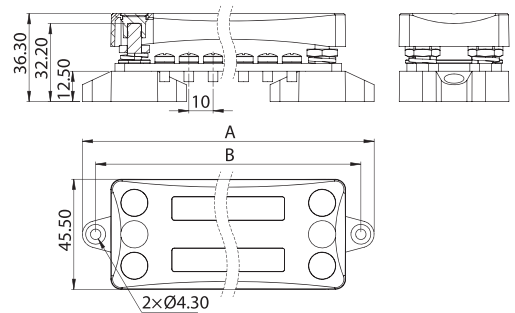BF422-6P / BF426-6P   BF422-12P / BF426-12P
BF422C-6P / BF426C-6P (with cover) BF422C-12P / BF426C-12P (with cover)

Product ID	Studs	Screws	A. Length (mm)	B. Mounting Centers (mm)	Rating per bus	Bus Material
BF422-6P	Dual 2 x M6 (1/4")	Dual 6 x M4 (5/32")	118	107	100A	Brass
BF422-12P	Dual 2 x M6 (1/4")	Dual 12 x M4 (5/32")	178	167	100A	Brass
BF426-6P	Dual 2 x M6 (1/4")	Dual 6 x M4 (5/32")	118	107	150A	Copper
BF426-12P	Dual 2 x M6 (1/4")	Dual 12 x M4 (5/32")	178	167	150A	Copper

"2-Steps" Dual Bus Bar
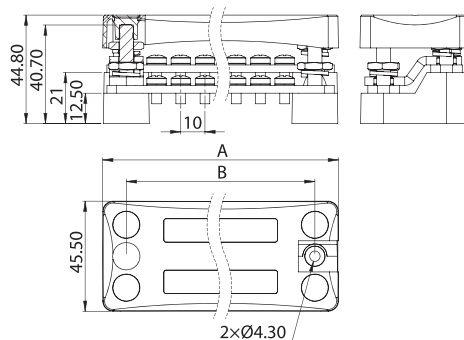Bus bars with different heights allowing more flexible wiring

BF427-6P   BF427-12P
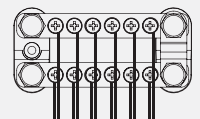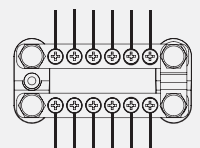BF427C-6P (with cover)   BF427C-12P (with cover)

Wire Output Options:

Single side

Double Side

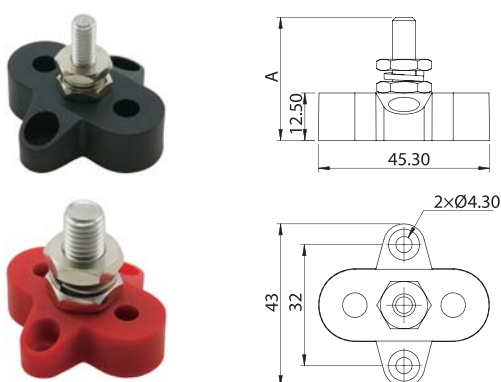| Product ID	Studs	Screws	A. Length (mm)	B. Mounting Centers (mm)	Rating per Bus
BF427-6P	Dual 2 x M6 (1/4")	Dual 6 x M4 (5/32")	94	75	150A
BF427-12P	Dual 2 x M6 (1/4")	Dual 12 x M4 (5/32")	154	135	150A

Heavy-Duty Terminal Studs

- Allow terminating of heavy-duty cables for one or more connections
- Red or Black colors allowing easy and clear color coding for wiring
- Glass Fiber reinforced Nylon base ensures great mechanical strength and durability
- Heavy duty terminal studs (up to M10)
- Insulated base ensures no leakage to metal hulls (New Feature)

Specifications

- Max Operating Voltage | DC 48V
- Max Amp per circuit | Determined by wires connected
- Terminal Stud Size | See each model

Single Terminal Studs
BF411

Product ID	Stud Size	A. Height (mm)
BF411-M6 / BF411R-M6	2 x M6 (1/4")	32.5
BF411-M8 / BF411R-M8	2 x M8 (5/16")	32.5
BF411-M10 / BF411R-M10	2 x M10 (3/8")	37.5

Dual Terminal Studs
BF412
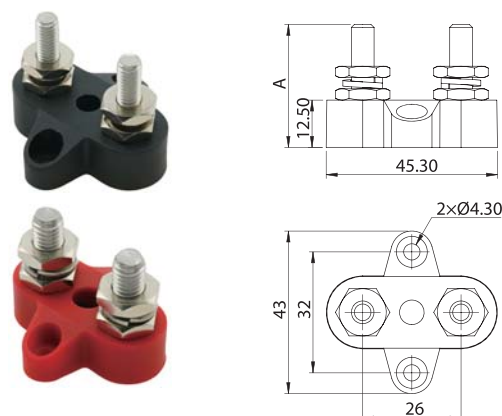
- Dual Terminal Studs with options of different studs sizes

Product ID	Stud Size	A. Height (mm)
BF412-M6 / BF412R-M6	2 x M6 (1/4")	32.5
BF412-M8 / BF412R-M8	2 x M8 (5/16")	32.5

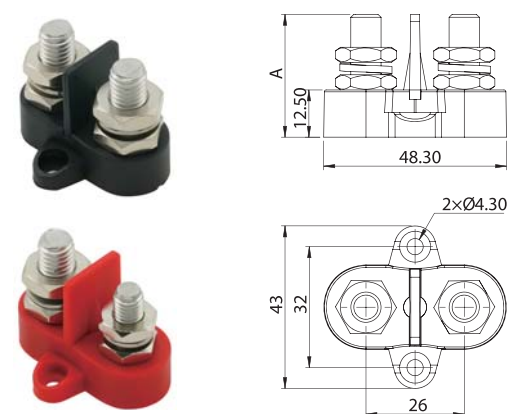### Dual Terminal Studs with Connecting Link
BF413
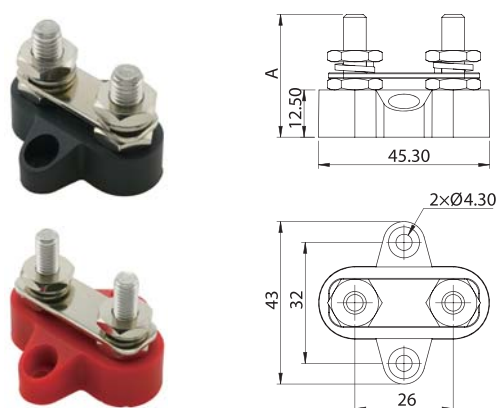
- Dual Terminal Studs with options of different studs sizes
- Removable Connecting Link withstands current up to 80A

Product ID	Stud Size	A. Height (mm)
BF413-M6 / BF413R-M6	2 x M6 (1/4")	32.5
BF413-M8 / BF413R-M8	2 x M8 (5/16")	32.5

Dual Terminal Studs with Isolating Plate
BF414
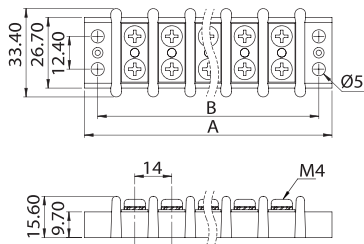

- Dual Terminal Studs with options of different studs sizes
- Removable isolating plate

Product ID	Stud Size	A. Height (mm)
BF414-M8 / BF414R-M8	2 x M8 (5/16")	32.5
BF414-M10 / BF414R-M10	2 x M10 (3/8")	37.5
BF414-M8M10 / BF414R-M8M10	1 x M8 (5/16") + 1 x M10 (3/8")	37.5

Terminal Blocks

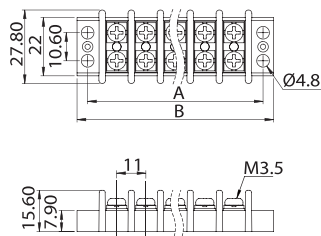## Independent Source Terminal Blocks 30A
BF401-XXP

- Maximum Voltage │ 300V AC/DC
- Continuous Rating │ 30A
- Base Material │ UL 94 V0, Nylon
- Bus Material │ Nickel-Plated Brass
- Mounting Screw │ M5 (#10)
- Screw Material │ Stainless Steel
- Terminal Screws │ M4 with exterior gear Washer

Product ID	Circuits	A. Length(mm)	B. Mounting Centers(mm)
BF401-2P	2	52	42
BF401-4P	4	80	70
BF401-6P	6	108	98
BF401-8P	8	136	126
BF401-10P	10	164	154
BF401-12P	12	192	182

BF-JP-3
Jumpers for BF401

- -

Independent Source Terminal Blocks 20A
BF402-XXP

- Maximum Voltage │ 300V AC/DC
- Continuous Rating │ 20A
- Base Material │ UL 94 V0, Nylon
- Bus Material │ Nickel-Plated Brass
- Mounting Screw │ M3.5 (#6)
- Screw Material │ Steel / Nickel Plated
- Terminal Screws │ M3.5
- Wire Terminal Size │ M3 (#6)

Product ID	Circuits	A. Length(mm)	B. Mounting Centers(mm)
BF402-2P	2	41	33
BF402-4P	4	63	55
BF402-6P	6	85	77
BF402-8P	8	107	99
BF402-10P	10	129	121
BF402-12P	12	151	143

BF-JP-4
Jumpers for BF402