

DC Branch

The DC Branch circuit distributes current from a single-cable high-amperage DC Main circuit to multiple circuits which carry lower amperages through smaller wires. DC Branch circuits typically carry currents below 50 Amperes to the load devices.



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Waterproof Panels

WeatherDeck™ Waterproof Circuit Breaker Panels

Provides push-to-reset circuit protection for open-cockpit and flybridge applications

Features

- Designed for 12 or 24 Volt systems
- Switch guards reduce the risk of accidental switching
- Independent label backlighting allows switching and dimming
- Backlighting is compatible with Digital Dimmers (page 82)
- Panels can be mounted in four different orientations
- UV stabilized weather-resistant faceplate snaps on and off providing access to components and concealing mounting screws

Component References

- ON-OFF Toggle Switch (page 77)
- Push Button, Thermal Trip, Manual Reset-Only (page 38)
- Square Format Label Set 4215 included (pages 84–85)
- Rugged UV stabilized waterproof boots (page 77)

Specifications

V_{mxo}	Voltage Maximum Operating	24 Volts DC
I_{mxo}	Amperage Maximum Operating	15 Amps@12 Volts DC (per circuit) 9 Amps@24 Volts DC (per circuit)
I_{oc} (Backlight)	Amperage Operating Current	10mA/Illuminated Circuit
	Panel Cumulative Rating	45 Amps
	Switch Rating	15 Amps Maximum
	Backlighting Voltage	12 Volts DC Nominal
	Backlighting Amperage Draw	10mA/Illuminated Circuit
	Circuit Breaker Rating	15 Amps

Regulatory

67 IP67—temporary immersion for 30 minutes



4376



Cover OFF

PN	Color	Circuits	Width in (mm)	Height in (mm)	Depth in (mm)	Width Mounting Centers in (mm)	Height Mounting Centers in (mm)	Weight lb (kg)
4374	Gray	4	4.25 (107.95)	4.30 (109.22)	3.50 (88.90)	3.69 (93.73)	3.74 (95.00)	0.97 (0.44)
4376	Gray	6	4.25 (107.95)	6.00 (152.40)	3.50 (88.90)	3.69 (93.73)	5.44 (138.18)	1.36 (0.62)
4378	Gray	8	4.25 (107.95)	7.70 (195.58)	3.50 (88.90)	3.69 (93.73)	7.14 (181.36)	1.83 (0.83)
4384	White	4	4.25 (107.95)	4.30 (109.22)	3.50 (88.90)	3.69 (93.73)	3.74 (95.00)	0.97 (0.44)
4386	White	6	4.25 (107.95)	6.00 (152.40)	3.50 (88.90)	3.69 (93.73)	5.44 (138.18)	1.36 (0.62)
4388	White	8	4.25 (107.95)	7.70 (195.58)	3.50 (88.90)	3.69 (93.73)	7.14 (181.36)	1.83 (0.83)

NEW



4384



4374



4386



4376



4388



4378

Waterproof Panels

WeatherDeck™ Waterproof Fuse Panels

Employs contemporary design and uses automotive-style ATO/ATC fuses for open-cockpit and flybridge applications

Features

- Designed for 12 Volt systems
- Bi-colored LEDs illuminate circuit labels to quickly identify "OFF" (Red), "ON" (Green), or "Blown" (No color) circuits
- Independent label backlighting circuit for remote switching and dimming
- Backlighting is compatible with all Digital Dimmers (page 82)
- UV stabilized, weather resistant faceplate snaps on and off providing access to components and concealing mounting screws
- Switch guards reduce the risk of accidental switching

Component References

- ON-OFF Toggle (page 77)
- ATO/ATC Blade-Type (page 56)
- UV stabilized waterproof boots (page 77)
- LEDs (page 80)
- Square Format Label Set 4215 included (pages 84–85)

Specifications

V_{mxo}	Voltage Maximum Operating	12 Volts DC
I_{mxo}	Amperage Maximum Operating	15 Amps (per circuit)
I_{oc} (Backlight)	Amperage Operating Current	10mA/Illuminated Circuit
Panel Cumulative Rating	2 Position—30 Amps	
	4 Position—60 Amps	
	6 Position—90 Amps	
	8 Position—100 Amps	
	Switch Rating	15 Amperes maximum
Backlighting Voltage	12 Volts DC Nominal	
Fuses Available	1–40 Amps	

Regulatory

67 IP67—temporary immersion for 30 minutes



4306



Cover OFF

PN	Circuits	Color	Width in (mm)	Height in (mm)	Depth in (mm)	Width Mounting Centers in (mm)	Height Mounting Centers in (mm)	Weight lb (kg)
4302	2	Gray	3.88 (98.55)	2.60 (66.04)	2.50 (63.50)	3.31 (84.07)	2.04 (51.82)	0.52 (0.24)
4304	4	Gray	3.88 (98.55)	4.30 (109.22)	2.50 (63.50)	3.31 (84.07)	3.74 (95.00)	0.90 (0.41)
4306	6	Gray	3.88 (98.55)	6.00 (152.40)	2.50 (63.50)	3.31 (84.07)	5.44 (138.18)	1.15 (0.52)
4308	8	Gray	3.88 (98.55)	7.70 (195.58)	2.50 (63.50)	3.31 (84.07)	7.14 (181.36)	1.55 (0.70)
4312	2	White	3.88 (98.55)	2.60 (66.04)	2.50 (63.50)	3.31 (84.07)	2.04 (51.82)	0.52 (0.24)
4314	4	White	3.88 (98.55)	4.30 (109.22)	2.50 (63.50)	3.31 (84.07)	3.74 (95.00)	0.90 (0.41)
4316	6	White	3.88 (98.55)	6.00 (152.40)	2.50 (63.50)	3.31 (84.07)	5.44 (138.18)	1.15 (0.52)
4318	8	White	3.88 (98.55)	7.70 (195.58)	2.50 (63.50)	3.31 (84.07)	7.14 (181.36)	1.55 (0.70)



Waterproof Panels

Contura Switch Waterproof Panels

Designed for open-cockpit and flybridge applications using switches to compliment existing controls commonly used on many boats

Features

- Designed for 12 or 24 Volt systems
 - Watertight mounting gasket
 - “ON” indicating LEDs embedded in all switches
- NOTE: Labels are not backlit

Component References

- ON-OFF Contura switches† (page 78)
- Small Format Label Set included* (page 83)
- Push Button Reset-Only Circuit Breakers (page 38)
- AGC/MDL Fuse Holders (page 77)

Regulatory

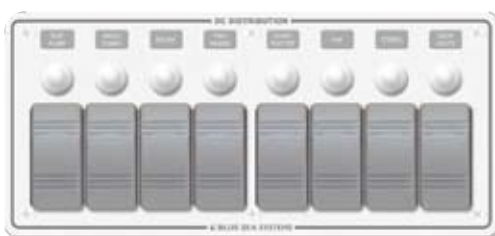
- 66** Rated IP66—withstands water from heavy seas
- IP** Meets UL 1500 and ISO 8846 ignition protection requirements (See table below)

Specifications

V_{mxo}	Voltage Maximum Operating	24 Volts DC
I_{loc} (Switch LED)	Amperage Operating Current	18 Milliampere each
Switch Rating		20 Amps@12 Volts DC 15 Amps@24 Volts DC
Circuit Breaker Rating		15 Amps
Fuse Holder Rating		20 Amps maximum (1.5A fuses included)
Panel Cumulative Rating		45 Amps



8272



8271



8374



8373



8262



8054*



8053*



8261



8263†

PN	Regulatory	AGC/MDL Fuse Holders	Push Button Circuit Breakers	Color	Width in (mm)	Height in (mm)	Depth in (mm)	Weight lb (kg)
8274	IP	-	3	White	4.50 (114.30)	3.75 (95.25)	3.25 (82.55)	0.75 (0.34)
8272	IP	-	4	White	5.25 (133.35)	4.25 (107.95)	3.25 (82.55)	0.90 (0.41)
8273	IP	-	6	White	4.50 (114.30)	7.50 (190.50)	3.25 (82.55)	1.35 (0.61)
8271	IP	-	8	White	9.37 (238.00)	4.25 (107.95)	3.25 (82.55)	1.75 (0.79)
8374	IP	-	3	Black	4.50 (114.30)	3.75 (95.25)	3.25 (82.55)	0.75 (0.34)
8372	IP	-	4	Black	5.25 (133.35)	4.25 (107.95)	3.25 (82.55)	0.90 (0.41)
8373	IP	-	6	Black	4.50 (114.30)	7.50 (190.50)	3.25 (82.55)	1.35 (0.61)
8371	IP	-	8	Black	9.37 (238.00)	4.25 (107.95)	3.25 (82.55)	1.75 (0.79)
8054*	-	3	-	Gray	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)	0.70 (0.32)
8053*	-	6	-	Gray	5.25 (133.35)	7.50 (190.50)	3.00 (76.20)	1.20 (0.54)
8262	-	4	-	Gray	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)	0.75 (0.34)
8261	-	8	-	Gray	9.37 (238.00)	3.75 (95.25)	3.00 (76.20)	1.40 (0.64)
8263†	-	1	-	Gray	2.25 (57.15)	3.75 (95.25)	3.00 (76.20)	0.25 (0.11)

* 8054 and 8053 include Large Format Label Set 8030 (pages 84–85) | † 8263 Bilge Pump Control Panel—(ON)-OFF-ON Contura Switch (page 78)

A-Series Circuit Breaker Panels

Traditional metal panels provide main and branch switching and circuit protection

Features

- All positive, negative, and grounding buses installed
- Backlit label positions
- All 12V DC panels are owner upgradable to 24V DC using 8240 or 8243 meters
- Panels with meters include a toggle switch to monitor voltage on up to three battery banks
- Countersunk mounting holes throughout

Model Specific Features (see table to right)

-  Analog Voltmeters and  Analog Ammeters (page 90)
-  Digital Multimeter (page 92)

Component References

- "ON" indicating LEDs installed in all circuit positions (page 80)
- A-Series Toggle Circuit Breakers (page 54)
- C-Series Toggle Circuit Breakers (page 42)
- Large Format Label Set 8030 included (pages 84–85)
- Over 500 individual labels available (pages 86–87)

Specifications

- V_{mxo} Voltage Maximum Operating See table to right
- I_{mxo} Amperage Maximum Operating See table to right
- I_{tr} Amperage Trip Reference See table to right



8025



8096



8385



8375



8023



8401



8081



8068



8403



8377





8264



8378



8379

See pages 10–13 for a full selection of related products located in the 360 Panel System section of this catalog.

Power Distribution and Circuit Protection



8402



8082



8376



8380



8381



8382

PN	Specific Features METERS Function/PN	DC V_{mxo}	DC I_{mxo}	C-Series Circuit Breakers	A-Series Circuit Breakers	Width in (mm)	Height in (mm)	Depth in (mm)	Weight lb (kg)
				MAIN 100A (I_{tr})	BRANCH 15A (I_{tr})				
8025	-	24	100	-	3	5.25 (133.35)	3.75 (95.25)	2.50 (63.50)	1.15 (0.52)
8401	Digital Multimeter/8248	24	100	-	5	5.25 (133.35)	7.50 (190.50)	4.00 (101.6)	3.45 (1.56)
8081	8-16V/8028, 0-50A/8041	12*	50	-	5	5.25 (133.35)	7.50 (190.50)	2.50 (63.50)	2.25 (1.02)
8096	-	24	100	-	6	10.50 (266.70)	3.75 (95.25)	2.50 (63.50)	2.25 (1.02)
8023	-	24	100	-	5	5.25 (133.35)	7.50 (190.50)	2.50 (63.50)	1.95 (0.88)
8385	-	24	100	-	6	10.50 (266.70)	4.50 (114.30)	2.50 (63.50)	2.70 (1.22)
8402	Digital Multimeter/8248	24	100	-	7	5.25 (133.35)	11.25 (285.75)	4.00 (101.6)	4.21 (1.91)
8082	8-16V/8028, 0-100A/8250	12*	50	-	7	5.25 (133.35)	11.25 (285.75)	2.50 (63.50)	3.35 (1.52)
8375	-	24	100	-	10	14.75 (374.65)	4.50 (114.30)	2.50 (63.50)	5.84 (2.65)
8376	-	24	100	-	10	5.25 (133.35)	11.25 (285.75)	2.50 (63.50)	2.76 (1.25)
8403	Digital Multimeter/8248	24	100	-	10	10.50 (266.70)	7.50 (190.50)	4.00 (101.6)	5.15 (2.34)
8068	8-16V/8028, 0-50A/8041	12*	50	-	10	10.50 (266.70)	7.50 (190.50)	3.00 (76.20)	4.20 (1.91)
8377	-	24	100	-	10	10.50 (266.70)	7.50 (190.50)	2.50 (63.50)	3.68 (1.67)
8378	8-16V/8003, 0-100A/8017	12*	100	-	15	14.75 (374.65)	7.50 (190.50)	2.50 (63.50)	7.80 (3.54)
8264	-	24	100	-	15	14.75 (374.65)	7.50 (190.50)	2.50 (63.50)	7.45 (3.38)
8379	Digital Multimeter/8248	24	100	1	14	14.75 (374.65)	7.50 (190.50)	4.00 (101.6)	8.40 (3.81)
8380	8-16V/8028, 0-100A/8250	12*	100	1	16	10.50 (266.70)	11.25 (285.75)	3.00 (76.20)	8.25 (3.74)
8381	8-16V/8003, 0-100A/8017	12*	100	1	23	14.75 (374.65)	11.25 (285.75)	3.00 (76.20)	8.60 (3.89)
8382	Digital Multimeter/8248	24	100	1	26	14.75 (374.65)	11.25 (285.75)	4.00 (101.6)	10.80 (4.92)

* Owner upgradable to 24 Volts DC with 8240 or 8243 - 18-32V DC Analog Voltmeters (page 90)

Specifications subject to change. See www.blueseas.com for current information.

Circuit Breakers

A-Series Toggle Circuit Breakers (Single Pole)

Combines switching and circuit protection into a single device

- For use with A-Series Toggle Circuit Breaker Mounting Panel (page 72)

Specifications

I_{ic} Interrupting Capacity	See Interrupt Capacity table below
V_{mxo} Voltage Maximum Operating	See Interrupt Capacity table below
I_{tr} Amperage Trip Reference	See tables
T_{mno} Temperature Minimum Operating	-40°C
T_{mxo} Temperature Maximum Operating	85°C
C_s Switching Cycles	10,000@rated amps and volts
Type	Magnetic Hydraulic—Trip free
Terminal Screw	#10-32 Stainless Steel
Terminal Screw Torque	14–15 in-lb Recommended
Trip Time Delay	See www.blueseas.com
Mounting Screw	#6-32 Stainless Steel
Mounting Screw Torque	6–8 in-lb Recommended
Weight	0.17lb (0.08kg)

Regulatory

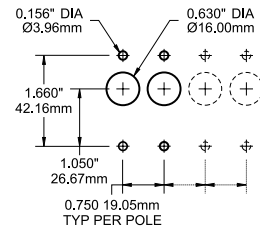
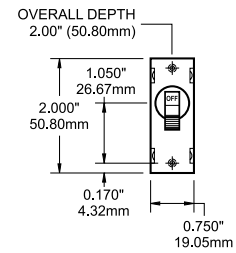
- CE marked, TUV certified, CSA certified
- UL 1077 recognized

See page 60 for double pole A-Series Toggle Circuit Breakers

Interrupting Capacity (see ABYC Requirements page 106)

A-Series Toggle Circuit Breakers			
		UL 1077 - UL/CSA (US/Canada)	EN60934 - TUV (Europe)
V _{mxo}	I _{tr}	I _{ic}	I _{ic}
65V DC	5–50A	7,500A	-
120V AC	5–50A	3,000A	-
250V AC	5–50A	3,000A	1,500A

PN	Color	DC I _{tr}
7200	Black	5
7201	Red	5
7202	White	5
7347	Black	8
7299	White	8
7204	Black	10
7205	Red	10
7206	White	10
7208	Black	15
7209	Red	15
7210	White	15
7212	Black	20
7213	Red	20
7214	White	20
7216	Black	25
7217	Red	25
7218	White	25
7220	Black	30
7221	Red	30
7222	White	30
7224	Black	40
7225	Red	40
7226	White	40
7228	Black	50
7229	Red	50
7230	White	50



Cutout Dimensions

A-Series Flat and Restricted Off Rocker Circuit Breakers (Single Pole)

Combines switching and circuit protection into a single device

- Color actuator indicates "OFF" position
- 2 different actuator styles reduce the risk of accidentally switching 24-hour circuits
- International ON/OFF symbols support vertical or horizontal mounting

Specifications

I_{ic} Interrupting Capacity	See Interrupt Capacity table below
V_{mxo} Voltage Maximum Operating	See Interrupt Capacity table below
I_{tr} Amperage Trip Reference	See tables
T_{mno} Temperature Minimum Operating	-40°C
T_{mxo} Temperature Maximum Operating	85°C
C_s Switching Cycles	10,000@rated amps and volts
Type	Magnetic Hydraulic—Trip free
Terminal Screw	#10-32 Stainless Steel
Terminal Screw Torque	14–15 in-lb Recommended (load terminal is 30° angled)
Trip Time Delay	See www.blueseas.com
Mounting Screw	#6-32 Stainless Steel
Mounting Screw Torque	6–8 in-lb Recommended
Weight	0.16lb (0.07kg)

Regulatory

- CE marked, TUV certified, CSA certified
- UL 1077 recognized

See page 61 for double pole A-Series Rocker Circuit Breakers

Interrupting Capacity (see ABYC Requirements page 106)

A-Series Flat and Restricted Off Rocker Circuit Breakers			
		UL 1077 - UL/CSA (US/Canada)	EN60934 - TUV (Europe)
V _{mxo}	I _{tr}	I _{ic}	I _{ic}
32V DC	5–50A	5,000A	-
120V AC	5–50A	3,000A	-
250V AC	5–50A	1,500A	1,500A

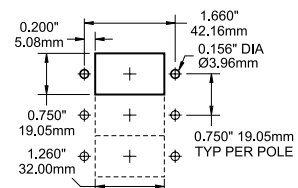
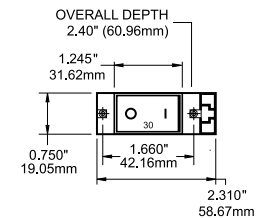


7425



7403

PN	Actuator	DC I _{tr}
7400	Flat	5
7425	Restricted Off	5
7401	Flat	8
7426	Restricted Off	8
7402	Flat	10
7427	Restricted Off	10
7403	Flat	15
7428	Restricted Off	15
7404	Flat	20
7429	Restricted Off	20
7405	Flat	25
7430	Restricted Off	25
7406	Flat	30
7431	Restricted Off	30
7407	Flat	40
7432	Restricted Off	40
7408	Flat	50
7433	Restricted Off	50



Cutout Dimensions

Fuse Blocks

ST Blade Fuse Blocks (Screw Terminal)

Compact ATO/ATC fuse block consolidates branch circuits and eliminates the tangle of inline fuses for electronics and other appliances

- Can be used for 24-hour circuits
- Clear insulating cover with label recesses accepts Small Format Labels (page 83)
- Cover satisfies ABYC/USCG insulation requirements
- Cover provides storage for two spare fuses
- Accepts ring terminals
- Easy to open, push button latch provides easy access to fuses
- Tin-plated copper buses and fuse clips
- Positive distribution bus with #10–32 stud
- Fuse Blocks with covers include 20 write-on circuit labels

Component References

- ATO/ATC Fuses (page 56)

Specifications

V_{mxo} Voltage Maximum Operating	32 Volts DC
I_{mxo} Amperage Maximum Operating	30 Amps DC (per circuit)
I_{mxo} Amperage Maximum Operating	100 Amps DC (per block)
Screw Terminal	#8-32 Screws with Captive Star Lock washer
Mounting Screw	#8 (M4)
ATO/ATC Fuses available	1—30 Amps (page 56)



5026

PN	Cover	Circuits	Negative Bus	Weight lb (kg)
5025	Yes	6	#10-32 stud	0.55 (0.25)
5026	Yes	12	#10-32 stud	0.75 (0.34)
5028	Yes	6	No	0.42 (0.19)
5029	Yes	12	No	0.68 (0.31)

PN	Cover	Circuits	Negative Bus	Weight lb (kg)
5030	No	6	#10-32 stud	0.47 (0.21)
5031	No	12	#10-32 stud	0.65 (0.29)
5033	No	6	No	0.42 (0.19)
5034	No	12	No	0.59 (0.27)



5033

5028



5030

5025



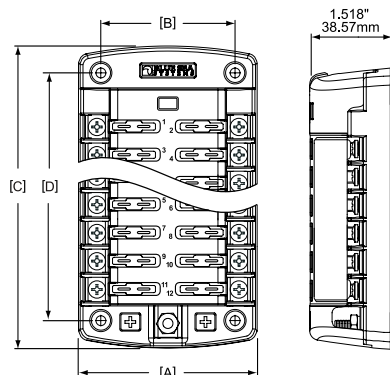
5034

5029



5031

5026



PN	[A] Width in (mm)	[B] Mounting Centers in (mm)	[C] Height in (mm)	[D] Mounting Centers in (mm)
5028/5033	3.32 (84.20)	2.50 (63.50)	3.65 (92.76)	2.64 (67.03)
5025/5030	3.32 (84.20)	2.50 (63.50)	4.89 (124.31)	3.88 (95.58)
5029/5034	3.32 (84.20)	2.50 (63.50)	5.23 (132.84)	4.22 (107.11)
5026/5031	3.32 (84.20)	2.50 (63.50)	6.47 (164.39)	5.46 (138.66)

Fuse Blocks and Fuses

ST Glass Fuse Blocks (Screw Terminal)

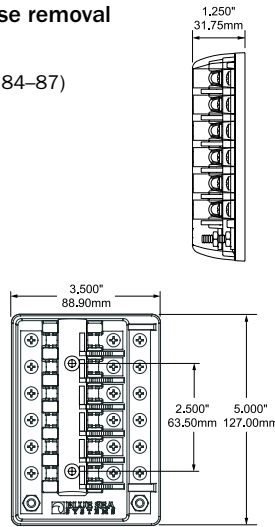
Innovative design allows for labeling, spare fuse storage and easy fuse removal

- Can be used for 24-hour circuits
- Clear insulating cover with label recesses accepts Large Format Labels (pages 84–87)
- Cover satisfies ABYC/USCG insulation requirements
- Tin-plated phosphor bronze fuse clips are encapsulated, cannot be sprung, and will not injure hands
- Integrated fuse ejector lever
- Store spare fuses behind labels
- Tin-plated copper negative busbar on model 5015

Specifications

V_{mxo} Voltage Maximum Operating	32 Volts DC
I_{mxo} Amperage Maximum Operating	30 Amps (per circuit)
I_{mxo} Amperage Maximum Operating	100 Amps (per block)
Fuse Type	AGC/MDL Fuses
Screw Terminal	#8-32 with Captive Star Lock washer
Mounting Holes	#8 Screws

PN	Circuits	Negative Bus	Weight lb (kg)
5015	6	#10-32 stud	0.55 (0.25)
5018	6	No	0.48 (0.22)



5015

ATO/ATC Fuses

Delivers fast-acting protection ideal for electronic devices

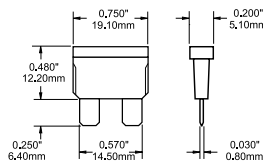
- Tin-plated connector blades for corrosion resistance
- Visible indication of blown condition
- Sold in packages of 2

Specifications

I_{ic} Interrupting Capacity	1,000 Amps
V_{mxo} Voltage Maximum Operating	32 Volts DC
I_{tr} Amperage Trip Reference	See table to right
Blow Time Delay	See www.blueseas.com
Weight per package	0.03lb (0.01kg)

See page 55 for ST Blade Fuse Blocks
See page 50 for WeatherDeck™ Waterproof Fuse Panels

PN	DC I _{tr}
5235	1
5236	2
5237	3
5238	4
5239	5
5240	7.5
5241	10
5242	15
5243	20
5244	25
5245	30



5242

MAXI™ Fuse Block

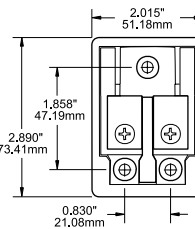
Screw termination accepts a variety of wire sizes from 18 to 4 AWG

- Snap-on terminal cover insulates all conductive parts, satisfying ABYC/USCG requirements
- Accepts wire sizes 18–4 AWG from sides or bottom
- Terminal screws compress fuse blades within blocks for low resistance connections

Specifications

V_{mxo} Voltage Maximum Operating	32 Volts DC
I_{mxo} Amperage Maximum Operating	80 Amps
Fuse Type	MAXI™ Fuses
MAXI™ Fuses available	30–80 Amps
Weight per package	0.25lb (0.11kg)
Mounting Holes	#10 Screws

PN	I _{mxo}
5006	80



5006

MAXI™ Fuses

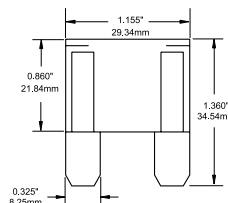
Provides economical circuit protection for 30 to 80 Ampere circuits

- Silver-plated connector blades for corrosion resistance
- Visible indication of blown condition
- Sold individually

Specifications

I_{ic} Interrupting Capacity	1,000 Amps DC
V_{mxo} Voltage Maximum Operating	32 Volts DC
I_{tr} Amperage Trip Reference	See table to right
Blow Time Delay	See www.blueseas.com
Weight per package	0.04lb (0.02kg)

PN	DC I _{tr}
5138	30
5139	40
5140	50
5141	60
5142	70
5143	80



5138

See MAXI™ Fuse Block above