

AC Main

The AC Main power system provides a path for delivering power from the ship's source of AC power to the AC branch distribution system. It begins at the AC power sources (shore power, genset, or inverter), and ends at the AC Branch circuit. Sources of AC power always have an AC Main circuit breaker near the power source.



AC Main Table of Contents

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 <p>A-SERIES RAISED AND FLAT ROCKER CIRCUIT BREAKERS page 61</p>	 <p>C-SERIES TOGGLE CIRCUIT BREAKERS page 62</p>	 <p>C-SERIES RAISED AND FLAT ROCKER CIRCUIT BREAKERS page 63</p>
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Power Distribution and Circuit Protection

A-Series Circuit Breaker Panels


Traditional metal panels provide main and branch switching and circuit protection

Features

- All hot, neutral, and safety ground buses installed, fully pre-wired
- Countersunk mounting holes throughout
- Maximum panel amperage—50 Amperes
- Backlit label positions

Model Specific Features (See table to right)

 Analog Voltmeters and  Analog Ammeters (page 91)

 Digital Multimeter (page 93)

Component References

- Red reverse polarity indication LED (page 80)
- “ON” indicating LEDs installed in all circuit positions (page 80)
- A-Series Toggle Circuit Breakers (pages 60, 72)
- Large Format Label Set 8031 included† (pages 84–85)
- Over 500 individual labels available (pages 86–87)

Specifications

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



8077†/8177*†



8079†/8179*†



8029†/8129*†



7372



8027/8127*



8043/8143*



8485/8585*



8099/8199*



8412/8512*



8464/8564*



8409/8509*



8076/8176*



8465/8565*



8488/8588*



8074/8174*



8406/8506*



8486/8586*

* 230 Volt (typical of Europe) | † Include a set of ten source selection labels | ‡ Include labels illustrated only

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

Power Distribution and Circuit Protection



8405/8505*



8407/8507*



8471/8571*

PN	Specific Features METERS Function/PN	AC V _{mxo}	A-Series Circuit Breakers						Width in (mm)	Height in (mm)	Depth in (mm)	Weight lb (kg)
			MAIN (I _{tr})				BRANCH (I _{tr})					
			16A	30A	32A	50A	8A	15A				
7372†	-	240	-	-	-	1†	-	-	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)	1.38 (0.63)
8077	-	120	-	1	-	-	-	-	2.63 (66.80)	3.75 (95.25)	2.50 (63.50)	3.75 (95.25)
8079	-	120	-	-	-	1	-	-	2.63 (66.80)	3.75 (95.25)	2.50 (63.50)	3.75 (95.25)
8029	-	120	-	1	-	-	-	-	5.25 (133.35)	3.75 (95.25)	2.50 (63.50)	1.05 (0.48)
8043	0-150V/9353	120	-	1	-	-	-	3	5.25 (133.35)	7.50 (190.50)	2.50 (63.50)	2.00 (0.91)
8409	0-150V/8244, 0-50A/8246	120	-	1	-	-	-	3	5.25 (133.35)	7.50 (190.50)	3.00 (76.20)	4.06 (1.84)
8405	Digital Multimeter/8247	120	-	1	-	-	-	3	5.25 (133.35)	7.50 (190.50)	4.00 (101.60)	2.94 (1.33)
8099	-	120	-	1	-	-	-	4	10.50 (266.70)	3.75 (95.25)	2.50 (63.50)	2.22 (1.00)
8027	-	120	-	1	-	-	-	3	5.25 (133.35)	7.50 (190.50)	2.50 (63.50)	2.00 (0.91)
8412	-	120	-	1	-	-	-	4	10.50 (266.70)	4.50 (114.30)	2.50 (63.50)	1.90 (0.86)
8488	0-150V/9353	120	-	1	-	-	-	5	5.25 (133.35)	11.25 (285.75)	2.50 (63.50)	3.00 (1.36)
8074	0-150V/8244, 0-50A/8246	120	-	1	-	-	-	5	5.25 (133.35)	11.25 (285.75)	3.00 (76.20)	3.28 (1.49)
8406	Digital Multimeter/8247	120	-	1	-	-	-	5	5.25 (133.35)	11.25 (285.75)	4.00 (101.60)	3.18 (1.44)
8076	0-150V/8244, 0-50A/8246	120	-	1	-	-	-	8	10.50 (266.70)	7.50 (190.50)	3.00 (76.20)	4.24 (1.92)
8407	Digital Multimeter/8247	120	-	1	-	-	-	8	10.50 (266.70)	7.50 (190.50)	4.00 (101.60)	4.78 (2.17)
8485	-	120	-	1	-	-	-	8	5.25 (133.35)	11.25 (285.75)	2.50 (63.50)	2.81 (1.27)
8464	-	120	-	1	-	-	-	8	10.50 (266.70)	7.50 (190.50)	2.50 (63.50)	3.74 (1.70)
8471	0-150V/9353, 0-50A/9630	120	-	1	-	-	-	13	14.75 (374.65)	7.50 (190.50)	3.00 (76.20)	5.96 (2.70)
8465	-	120	-	1	-	-	-	13	14.75 (374.65)	7.50 (190.50)	2.50 (63.50)	5.25 (2.38)
8486	0-150V/9353, 0-50A/9630	120	-	1	-	-	-	22	14.75 (374.65)	11.25 (285.75)	3.00 (76.20)	8.94 (4.05)
8177	-	230*	1	-	-	-	-	-	2.63 (66.80)	3.75 (95.25)	2.50 (63.50)	3.75 (95.25)
8179	-	230*	-	-	1	-	-	-	2.63 (66.80)	3.75 (95.25)	2.50 (63.50)	3.75 (95.25)
8129	-	230*	1	-	-	-	-	-	5.25 (133.35)	3.75 (95.25)	2.50 (63.50)	1.05 (0.48)
8143	0-250V/9354	230*	1	-	-	-	3	-	5.25 (133.35)	7.50 (190.50)	2.50 (63.50)	2.00 (0.91)
8509	0-250V/8245, 0-50A/8246	230*	1	-	-	-	3	-	5.25 (133.35)	7.50 (190.50)	3.00 (76.20)	4.06 (1.84)
8505	Digital Multimeter/8247	230*	1	-	-	-	3	-	5.25 (133.35)	7.50 (190.50)	3.00 (76.20)	2.94 (1.33)
8199	-	230*	1	-	-	-	4	-	10.50 (266.70)	3.75 (95.25)	2.50 (63.50)	2.22 (1.00)
8127	-	230*	1	-	-	-	3	-	5.25 (133.35)	7.50 (190.50)	2.50 (63.50)	2.00 (0.91)
8512	-	230*	1	-	-	-	4	-	10.50 (266.70)	4.50 (114.30)	2.50 (63.50)	1.90 (0.86)
8588	0-250V/9354	230*	1	-	-	-	5	-	5.25 (133.35)	11.25 (285.75)	2.50 (63.50)	3.00 (1.36)
8174	0-250V/8245, 0-50A/8246	230*	1	-	-	-	5	-	5.25 (133.35)	11.25 (285.75)	3.00 (76.20)	3.28 (1.49)
8506	Digital Multimeter/8247	230*	1	-	-	-	5	-	5.25 (133.35)	11.25 (285.75)	3.00 (76.20)	3.18 (1.44)
8176	0-250V/8245, 0-50A/8246	230*	1	-	-	-	8	-	10.50 (266.70)	7.50 (190.50)	3.00 (76.20)	4.24 (1.92)
8507	Digital Multimeter/8247	230*	1	-	-	-	8	-	10.50 (266.70)	7.50 (190.50)	4.00 (101.60)	4.78 (2.17)
8585	-	230*	1	-	-	-	8	-	5.25 (133.35)	11.25 (285.75)	2.50 (63.50)	2.81 (1.27)
8564	-	230*	1	-	-	-	8	-	10.50 (266.70)	7.50 (190.50)	2.50 (63.50)	3.74 (1.70)
8571	0-250V/9354, 0-50A/9630	230*	1	-	-	-	13	-	14.75 (374.65)	7.50 (190.50)	3.00 (76.20)	5.96 (2.70)
8565	-	230*	1	-	-	-	13	-	14.75 (374.65)	7.50 (190.50)	2.50 (63.50)	5.25 (2.38)
8586	0-250V/9354, 0-50A/9630	230*	1	-	-	-	22	-	14.75 (374.65)	11.25 (285.75)	3.00 (76.20)	8.94 (4.05)



See page 16 for a full selection of related products located in the 360 Panel System section of this catalog.

* 230 Volt (typical of Europe) | † C-Series Toggle Circuit Breaker (page 62)

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

Circuit Breakers

A-Series Toggle Circuit Breakers (Double Pole)

Combines switching and circuit protection into a single device

- Frequently used for 120 Volt AC Main circuit protection
- The industry standard circuit breaker for Blue Sea Systems electrical panels
- “Trip Free” design cannot be held “ON” during fault current condition
- For circuit breaker mounting panel 8173 (see below)

Specifications

I_{ic} Interrupting Capacity	See Interrupting Capacity table below
V_{mxo} Voltage Maximum Operating	See Interrupting Capacity table below
I_{tr} Amperage Trip Reference	See tables below
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.blueseasystems.com
Mounting Screw	#6-32 Stainless Steel
Mounting Screw Torque	6–8 in-lb Recommended
Weight	0.30lb (0.14kg)

Regulatory

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

See page 72 for single pole A-Series Toggle Circuit Breakers

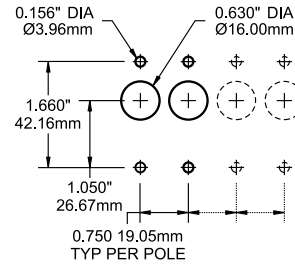
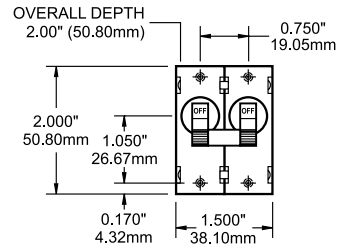
Interrupting Capacity (see ABYC Requirements page 107)

A-Series Toggle Circuit Breakers			
		UL 1077 - UL/CSA (US/Canada)	EN60934 - TUV (Europe)
V _{mxo}	I _{tr}	I _{ic}	I _{ic}
65V DC	10–50 Amps	7,500 Amps	-
120V AC	10–50 Amps	3,000 Amps	-
240V AC	10–50 Amps	3,000 Amps	-
250V AC	10–50 Amps	3,000 Amps	1,500 Amps

PN	Color	Poles	AC I _{tr}	PN	Color	Poles	AC I _{tr}
7232	Black	2	10	7237	Black	2	30
7233	White	2	10	7238	White	2	30
7234	Black	2	15	7349	Black	2	32
7235	White	2	15	7295	White	2	32
7348	Black	2	16	7239	Black	2	40
7294	White	2	16	7240	White	2	40
7236	Black	2	20	7241	Black	2	50
7260	White	2	20	7242	White	2	50



7233



Panel Cutout

A-Series Toggle Circuit Breaker Mounting Panel (Double Pole)

Simplifies mounting of A-Series Double Pole Circuit Breakers

- Slate gray matches standard panel color

Specifications

Dimensions 2.63" (66.80mm) x 3.75" (95.25mm)

PN	Description	Weight lb (kg)
8173	Mounting Panel—Double Pole	0.08 (0.04)



8173

Circuit Breakers

A-Series Raised and Flat Rocker Circuit Breakers (Double Pole)

Combines switching and circuit protection into a single device

- Frequently used for 120 Volt AC Main circuit protection
- White actuator indicates "OFF" position
- Two different styles available
- Flat rocker actuator is flush in the "ON" position
- International "ON" and "OFF" symbols support vertical or horizontal mounting

Specifications

I_{ic} Interrupting Capacity	See Interrupting Capacity Table below
V_{mxo} Voltage Maximum Operating	See Interrupting Capacity Table below
I_{tr} Amperage Trip Reference	See tables below
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	0.38lb (0.17kg)

Regulatory

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

See page 73 for single pole Flat and Restricted Off Rocker Circuit Breakers



7574

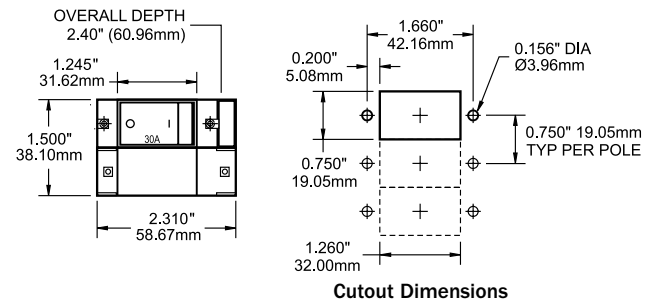


7411

Interrupting Capacity (see ABYC Requirements page 107)

A-Series Raised and Flat Rocker Circuit Breakers			
		UL 1077 - UL/CSA (US/Canada)	EN60934 - TUV (Europe)
V _{mxo}	I _{tr}	I _{ic}	I _{ic}
32V DC	10–50 Amps	5,000 Amps	-
240V AC	10–50 Amps	3,000 Amps	-
240V AC	10–50 Amps	3,000 Amps	1,500 Amps

PN	Actuator	Poles	AC I _{tr}
7570	Raised	2	10
7410	Flat	2	10
7571	Raised	2	15
7411	Flat	2	15
7572	Raised	2	16
7412	Flat	2	16
7573	Raised	2	20
7413	Flat	2	20
7574	Raised	2	30
7414	Flat	2	30
7575	Raised	2	32
7415	Flat	2	32
7576	Raised	2	40
7416	Flat	2	40
7577	Raised	2	50
7417	Flat	2	50



Cutout Dimensions

Circuit Breakers

C-Series Toggle Circuit Breakers (Double Pole and Triple Pole)

Combines switching and circuit protection into a single device

- Frequently used for 120/240 Volt AC circuit protection
- Double pole can be used as 120 Volt AC main circuit breaker to switch hot and neutral
- Triple pole can be used as 240 Volt AC main circuit breaker to switch both lines (hots) and neutral
- Double and triple pole circuit breakers will trip all poles if any one pole trips

Specifications

I_{ic} Interrupting Capacity	See Interrupting Capacity table below
V_{mxo} Voltage Maximum Operating	See Interrupting Capacity table below
I_{tr} Amperage Trip Reference	See tables below
T_{mmo} 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 Studs	1/4"-20 Tin-Plated Brass
Terminal Screw Torque	35 in-lb max.
Trip Time Delay	See www.blueseas.com
Mounting Screw	#6-32 Stainless Steel
Mounting Screw Torque	6-8 in-lb Recommended

Regulatory

- VDE certified, CSA certified
- UL 1077 recognized

See page 42 for single pole C-Series Toggle Circuit Breakers



7251



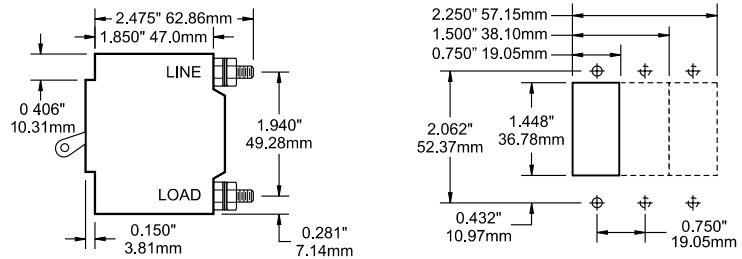
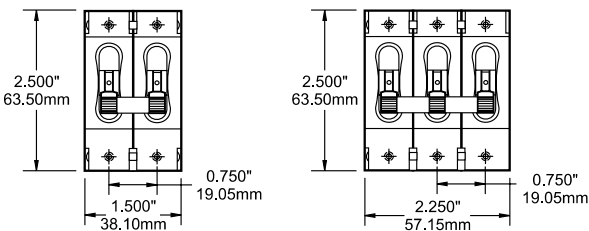
7287

Interrupting Capacity (see ABYC Requirements page 107)

C-Series Toggle Circuit Breakers			
		UL 1077 - UL/CSA (US/Canada)	EN60934 - TUV (Europe)
V_{mxo}	I_{tr}	I_{ic}	I_{ic}
125/250V AC	30-100A	5,000A	5,000A
250V AC	30-100A	5,000A	5,000A

PN	Color	Poles	AC I _{tr}	Weight lb (kg)
7365	White	2	30	0.60 (0.27)
7251	White	2	50	0.60 (0.27)
7254	White	2	60	0.60 (0.27)
7256	White	2	80	0.60 (0.27)
7258	White	2	100	0.60 (0.27)

PN	Color	Poles	AC I _{tr}	Weight lb (kg)
7287	White	3	50	0.90 (0.41)
7288	White	3	60	0.90 (0.41)
7289	White	3	80	0.90 (0.41)
7290	White	3	100	0.90 (0.41)



Cutout Dimensions

C-Series Toggle Circuit Breaker Mounting Panels

Simplifies mounting C-Series Toggle Circuit Breakers

- See page 42 for a complete listing of C-Series Toggle Circuit Breaker Mounting Panels

PN	Position	Width in (mm)	Height in (mm)	Weight lb (kg)
8088	3	5.25 (133.35)	3.75 (95.25)	0.24 (0.11)



8088

Circuit Breakers

C-Series Raised and Flat Rocker Circuit Breakers (Double Pole and Triple Pole)

Combines switching and circuit protection into a single device

- Frequently used for 120/240 Volt AC circuit protection
- Double pole can be used as 120 Volt AC main circuit breaker to switch hot and neutral
- Triple pole can be used as 240 Volt AC main circuit breaker to switch both lines (hots) and neutral
- Double and triple pole circuit breakers will trip all poles if any one pole trips

Specifications

I_{ic} Interrupting Capacity	See Interrupting Capacity table below
V_{mxo} Voltage Maximum Operating	See Interrupting Capacity table below
I_{tr} Amperage Trip Reference	See tables below
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 Studs	1/4"-20 Tin-Plated Brass
Terminal Stud Torque	35 in-lb max.
Trip Time Delay	See www.blueseas.com
Mounting Screw	#6-32 Stainless Steel
Mounting Screw Torque	6-8 in-lb Recommended

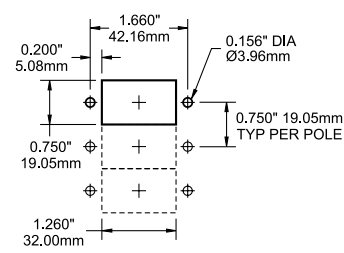
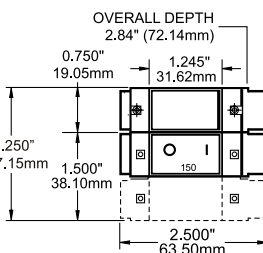
Regulatory

- TUV certified, CSA certified
- UL 1077 recognized

See page 43 for single pole C-Series Rocker Circuit Breakers

Interrupting Capacity (see ABYC Requirements page 107)

C-Series Raised and Flat Rocker Circuit Breakers			
		UL 1077 - UL/CSA (US/Canada)	EN60934 - TUV (Europe)
V _{mxo}	I _{tr}	I _{ic}	I _{ic}
240V AC	30-100A	5,000A	5,000A



Cutout Dimensions

PN	Actuator	Poles	AC I _{tr}
7580	Raised	2	30
7581	Raised	2	50
7582	Raised	2	60
7583	Raised	2	80
7584	Raised	2	100
7585	Raised	3	50
7586	Raised	3	60
7587	Raised	3	80
7588	Raised	3	100

PN	Actuator	Poles	AC I _{tr}
7560	Flat	2	30
7561	Flat	2	50
7562	Flat	2	60
7563	Flat	2	80
7564	Flat	2	100
7565	Flat	3	50
7566	Flat	3	60
7567	Flat	3	80
7568	Flat	3	100

Residual Current Circuit Breakers (ELCI/RCBO)

Residual Current Devices (RCDs) respond to leakage of electrical current outside of the intended circuit path. When the RCD function is combined with overload and short circuit protection, the device is often referred to as an RCBO. In the USA, a device that trips on leakages of nominally 5mA and meets certain standards is called a Ground Fault Circuit Interrupter (GFCI). A device meeting the same standards but with a trip level of 30mA is called an Electrical Leakage Circuit Interrupter (ELCI). The devices below provide GFCI or ELCI functions and circuit protection in panel mounted breakers.

Features

- Trips on short circuit, overload, or leakage to ground
- Front panel mount—installed in a power distribution panel

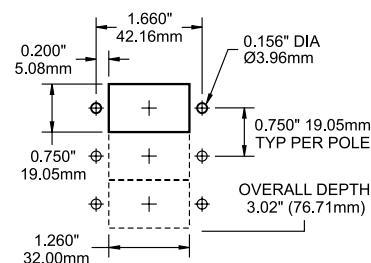
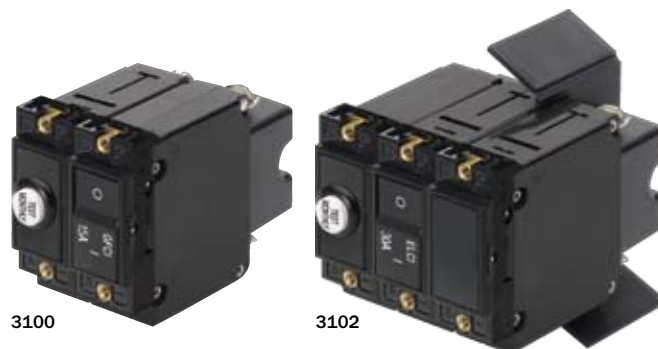
Specifications

I_{ic} Interrupting Capacity	5,000 Amps AC
V_{mxo} Voltage Maximum Operating	240 Volts AC
I_{tr} Amperage Trip Reference	See table below
T_{mno} Temperature Minimum Operating	-35°C
T_{mxo} Temperature Maximum Operating	66°C
C_s Switching Cycles:	10,000@rated amps and volts
Type	Magnetic Hydraulic—Trip free
Terminal Screw	#10-32 x 5/16 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

Regulatory

- 3100 GFCI—UL 489, UL 943 Class A, and CSA certified
- 3102 ELCI—UL 489, UL 943 Class B, and CSA certified

PN	Description	Poles	AC (I _{tr})		Leakage Trip Amperage	Weight lb (kg)
			MAIN	BRANCH		
3100	GFCI/RCBO	1	-	15A	5mA	0.38 (0.17)
3102	ELCI/RCBO	2	30A	-	30mA	0.45 (0.20)



Cutout Dimensions

Source Selection and Circuit Protection

A-Series Source Selection Circuit Breaker Panels

Traditional metal panels economically provide circuit protection, switching and control of multiple AC sources

Features

- All hot, neutral, and safety ground buses installed, fully pre-wired
- Industry standard height and width
- Countersunk mounting holes throughout
- Maximum panel amperage—50 Amperes
- Lockout slides prevent connecting multiple AC sources simultaneously
- Backlit label positions

Model Specific Features (See table to right)

-  Analog Voltmeters and  Analog Ammeters (page 91)
-  Digital Multimeter (page 93)

Component References

- Red reverse polarity indication LED (page 80)
- “ON” indicating LEDs installed in all circuit positions (page 80)
- A-Series Toggle Circuit Breakers (page 60, 72)
- Large Format Label Set 8031 included† (pages 84–85)
- Over 500 individual labels available (pages 86–87)

Specifications

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



8032†/8132†*



8061†/8161†*

8467/8567*



8499/8599*



8458



8466/8566*



8498†/8598†*



8459/8559*



8468/8568*



8473/8573*



8489/8589*



8462/8562*



8475/8575*

* 230 Volt (typical of Europe) | † Panels with only AC Main circuit breakers include a set of 10 source selection labels

Source Selection and Circuit Protection



8496/8596*



8494/8594*

PN	Specific Features METERS Function/PN	AC V _{max}	Sources	A-Series Circuit Breakers						Width in (mm)	Height in (mm)	Depth in (mm)	Weight lb (kg)
				MAIN (I _{tr})				BRANCH (I _{tr})					
				16A	30A	32A	50A	8A	15A				
8032†	-	120	2	-	2	-	-	-	-	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)	1.35 (0.61)
8061†	-	120	2	-	-	-	2	-	-	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)	1.84 (0.83)
8498†	-	120	3	-	3	-	1	-	-	10.50 (266.70)	4.50 (114.30)	3.00 (76.20)	1.90 (0.86)
8467	-	120	2	-	2	-	-	-	2	5.25 (133.35)	7.50 (190.50)	3.00 (76.20)	2.15 (0.98)
8499	-	120	2	-	2	-	-	-	2	10.50 (266.70)	4.50 (114.30)	3.00 (76.20)	1.90 (0.86)
8489	0-150V/9353	120	2	-	2	-	-	-	3	5.25 (133.35)	11.25 (285.75)	3.00 (76.20)	3.00 (1.36)
8459	-	120	2	-	2	-	-	-	6	14.75 (374.65)	4.50 (114.30)	3.00 (76.20)	3.15 (1.43)
8466	-	120	2	-	2	-	-	-	6	5.25 (133.35)	11.25 (285.75)	3.00 (76.20)	2.81 (1.27)
8462	0-150V/9353	120	2	-	2	-	-	-	6	10.50 (266.70)	7.50 (190.50)	3.00 (76.20)	3.80 (1.72)
8468	-	120	2	-	2	-	-	-	8	10.50 (266.70)	7.50 (190.50)	3.00 (76.20)	3.75 (1.70)
8473	0-150V/9353, 0-50A/9630	120	2	-	2	-	-	-	11	14.75 (374.65)	7.50 (190.50)	3.00 (76.20)	6.00 (2.72)
8475	Digital Multimeter/8247	120	2	-	2	-	-	-	11	14.75 (374.65)	7.50 (190.50)	4.00 (101.60)	5.30 (2.40)
8458	0-150V/9353, 0-50A/9630	120	3	-	3	-	1	-	12	10.50 (266.70)	13.75 (349.25)	3.00 (76.20)	9.10 (4.12)
8494	0-150V/9353, 0-50A/9630	120	3	-	3	-	1	-	16	14.75 (374.65)	11.25 (285.75)	3.00 (76.20)	9.00 (4.08)
8496	Digital Multimeter/8247	120	3	-	3	-	1	-	19	14.75 (374.65)	11.25 (285.75)	4.00 (101.60)	10.10 (4.58)
8132†	-	230*	2	2	-	-	-	-	-	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)	1.35 (0.61)
8161†	-	230*	2	-	-	2	-	-	-	5.25 (133.35)	3.75 (95.25)	3.00 (76.20)	1.84 (0.83)
8598†	-	230*	3	3	-	1	-	-	-	10.50 (266.70)	4.50 (114.30)	3.00 (76.20)	1.90 (0.86)
8567	-	230*	2	2	-	-	-	2	-	5.25 (133.35)	7.50 (190.50)	3.00 (76.20)	2.15 (0.98)
8599	-	230*	2	2	-	-	-	2	-	10.50 (266.70)	4.50 (114.30)	3.00 (76.20)	1.90 (0.86)
8589	0-250V/9354	230*	2	2	-	-	-	3	-	5.25 (133.35)	11.25 (285.75)	3.00 (76.20)	3.00 (1.36)
8559	-	230*	2	2	-	-	-	6	-	14.75 (374.65)	4.50 (114.30)	3.00 (76.20)	3.15 (1.43)
8566	-	230*	2	2	-	-	-	6	-	5.25 (133.35)	11.25 (285.75)	3.00 (76.20)	2.81 (1.27)
8562	0-250V/9354	230*	2	2	-	-	-	6	-	10.50 (266.70)	7.50 (190.50)	2.50 (63.50)	3.80 (1.72)
8568	-	230*	2	2	-	-	-	8	-	10.50 (266.70)	7.50 (190.50)	3.00 (76.20)	3.75 (1.70)
8573	0-250V/9354, 0-50A/9630	230*	2	2	-	-	-	11	-	14.75 (374.65)	7.50 (190.50)	3.00 (76.20)	6.00 (2.72)
8575	Digital Multimeter/8247	230*	2	2	-	-	-	11	-	14.75 (374.65)	7.50 (190.50)	4.00 (101.60)	5.30 (2.40)
8594	0-250V/9354, 0-50A/9630	230*	3	3	-	1	-	16	-	14.75 (374.65)	11.25 (285.75)	3.00 (76.20)	9.00 (4.08)
8596	Digital Multimeter/8247	230*	3	3	-	1	-	19	-	14.75 (374.65)	11.25 (285.75)	4.00 (101.60)	10.10 (4.58)

See pages 14-15 for a full selection of related products located in the 360 Panel System section of this catalog.

* 230 Volt (typical of Europe) | † Includes set of 10 source selection labels only

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

Rotary Switch Source Selection

Rotary Switches and Panels

Compact and intuitive solution for safely managing AC sources when circuit protection is provided elsewhere

Features (switches)

- Mounts in panels up to 0.16" (4.00mm) thick
- Heavy duty industrial rated switch
- Intuitive function—one hand operation

Features (panels)

- Red "Reverse Polarity" LED indicators
- Green "Power Available" LED indicators

Specifications

- V_{mxo} Voltage Maximum Operating See table below
 I_{mxo} Amperage Maximum Operating See table below



See page 14 for a full selection of related products located in the 360 Panel System section of this catalog.

Regulatory

- CE marked, UL listed

Rotary Switches

Rotary Switch PN	Function		AC V_{mxo}	AC I_{mxo}	Maximum Wire Size (AWG)	Minimum Wire Size (AWG)	Width in (mm)	Height in (mm)	Depth in (mm)
	Sources	Poles							
9009	2	2	600	30	10	14	1.89 (48.00)	1.89 (48.00)	1.91 (48.51)
9011	2	2	600	65	6	12	2.52 (64.00)	2.52 (64.00)	2.41 (61.21)
9019	2	3	600	65	6	12	2.52 (64.00)	2.52 (64.00)	3.65 (92.71)
6337	3	4	600	30	10	14	1.89 (48.00)	1.89 (48.00)	2.98 (75.69)
9093	3	4	600	65	6	12	2.52 (64.00)	2.52 (64.00)	4.50 (114.30)
9010	3	2	600	30	10	14	1.89 (48.00)	1.89 (48.00)	2.41 (61.21)
9077	3	3	600	65	6	12	2.52 (64.00)	2.52 (64.00)	5.50 (139.70)

Rotary Switch Panels

Panel PN	Included Rotary Switch PN	Function		AC V_{mxo}	AC I_{mxo}	Maximum Wire Size (AWG)	Minimum Wire Size (AWG)	Width in (mm)	Height in (mm)	Depth in (mm)
		Sources	Poles							
8367	9009	2	2	120	30	10	14	5.25 (133.35)	3.75 (95.25)	1.91 (48.51)
8365	9011	2	2	120	65	6	12	5.25 (133.35)	3.75 (95.25)	2.41 (61.21)
8366	9010	3	2	120	30	10	14	5.25 (133.35)	3.75 (95.25)	2.41 (61.21)
8359	9009	2	2	230*	30	10	14	5.25 (133.35)	3.75 (95.25)	1.91 (48.51)
8357	9011	2	2	230*	65	6	12	5.25 (133.35)	3.75 (95.25)	2.41 (61.21)
8358	9010	3	2	230*	30	10	14	5.25 (133.35)	3.75 (95.25)	2.41 (61.21)
8363	9019	2	3	240	65	6	12	5.25 (133.35)	3.75 (95.25)	3.65 (92.71)
8386	6337	2	4	240	30	6	12	5.25 (133.35)	3.75 (95.25)	2.98 (75.69)
8369	9093	2	4	240	65	6	12	5.25 (133.35)	3.75 (95.25)	4.50 (114.30)
8361	9077	3	3	240	65	6	12	5.25 (133.35)	3.75 (95.25)	5.50 (139.70)

30 Ampere 2 Positions + OFF, 2 Pole

Rotary Switch

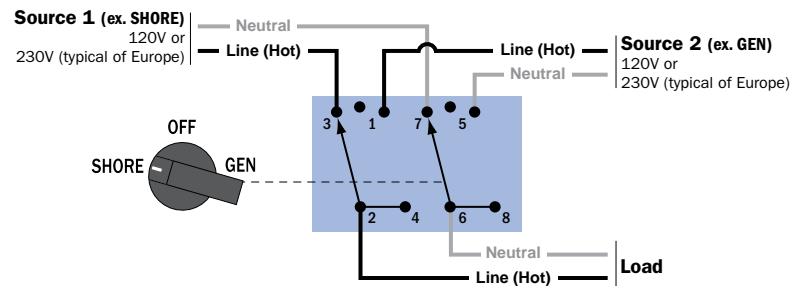
- Switches 2—120 or 230* Volt AC sources
- Allows connecting one of two different AC sources to one circuit



9009



8367



8359

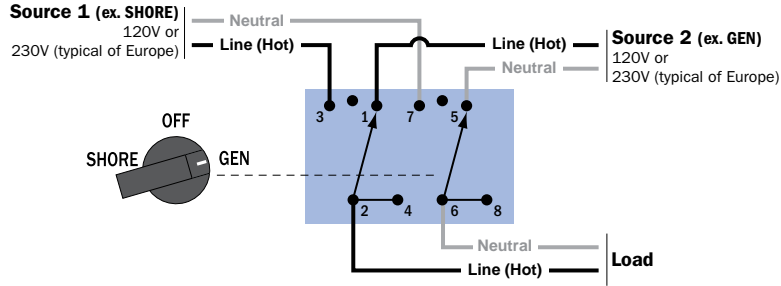
* 230 Volt (typical of Europe)

Rotary Switch Source Selection

65 Ampere 2 Positions + OFF, 2 Pole

Rotary Switch

- Switches 2—120 or 230* Volt AC sources
- Allows connecting one of two different AC sources to one circuit



9011



8365

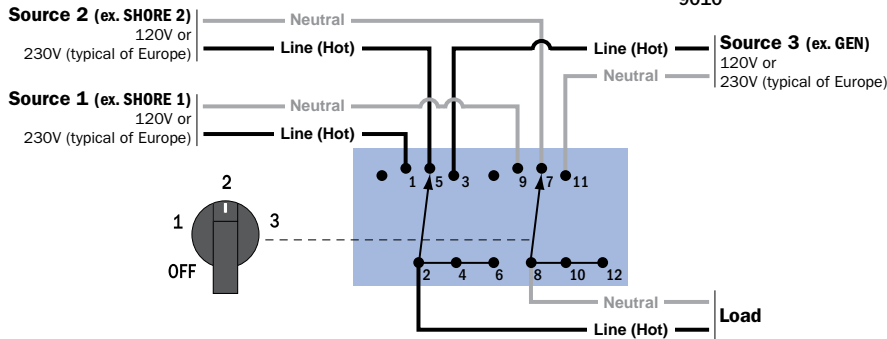


8357

30 Ampere 3 Positions + OFF, 2 Pole

Rotary Switch

- Switches 3—120 or 230* Volt AC sources
- Allows connecting one of three different AC sources to one circuit



9010



8366

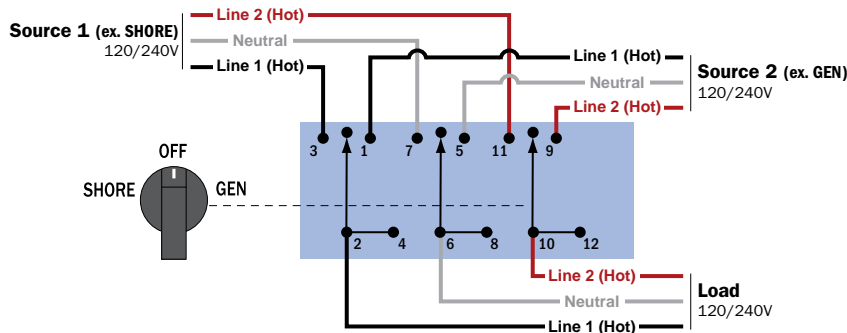


8358

65 Ampere 2 Positions + OFF, 3 Pole

Rotary Switch

- Switches 2—120/240 Volt AC sources
- Switches both lines (hots) and neutral
- Allows connecting one of two different AC sources to one circuit



9019



8363

* 230 Volt (typical of Europe)

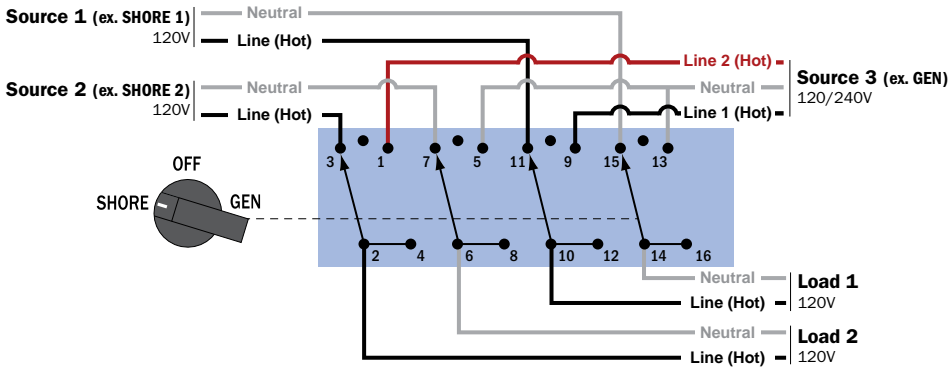
Specifications subject to change. See www.blueseas.com for current information.

Rotary Switch Source Selection

30 Ampere 2 Positions + OFF, 4 Pole

Rotary Switch

- Switches between 2—120 Volt AC shore power sources and 1—240 Volt AC source to 2—120 Volt AC load groups
- Switches both lines (hots) and neutral
- Allows connecting one of three different AC sources to one circuit



6337

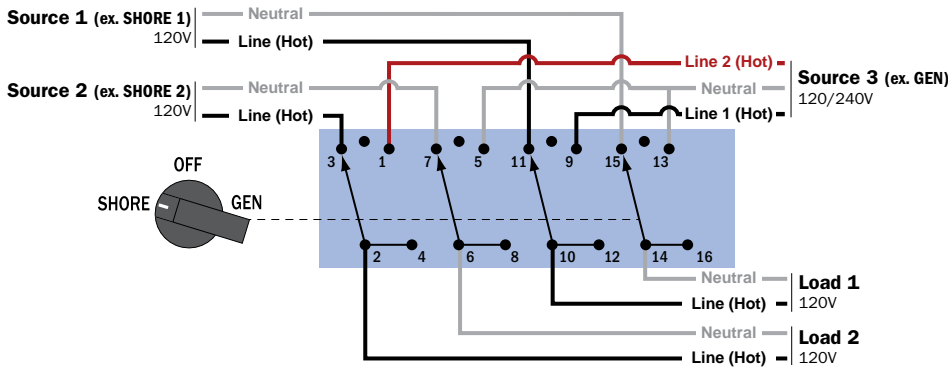


8386

65 Ampere 2 Positions + OFF, 4 Pole

Rotary Switch

- Switches between 2—120 Volt AC shore power sources and 1—240 Volt AC source to 2—120 Volt AC load groups
- Switches both lines (hots) and neutral
- Allows connecting one of three different AC sources to one circuit



9093

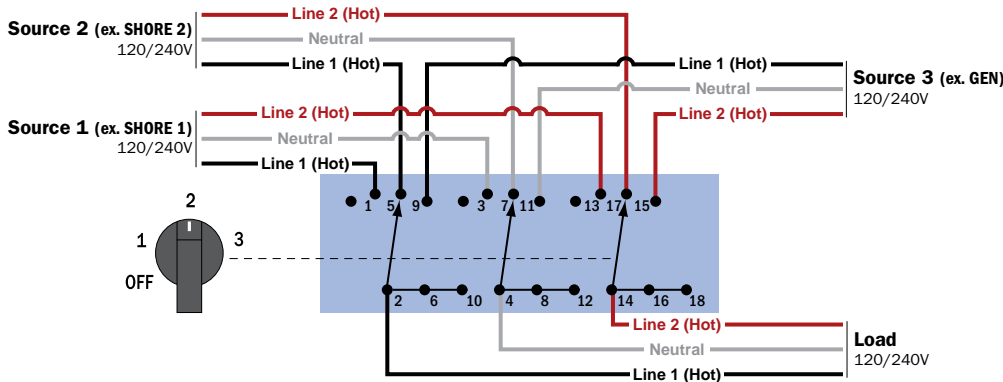


8369

65 Ampere 3 Positions + OFF, 3 Pole

Rotary Switch

- Switches 3—120/240 Volt AC sources
- Switches both lines (hot) and neutral
- Allows connecting one of three different AC sources to one circuit



9077



8361