



Littelfuse®



Carling Technologies®

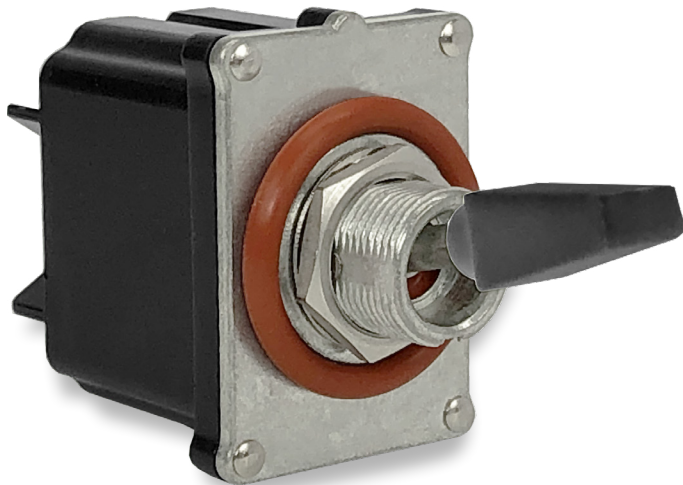
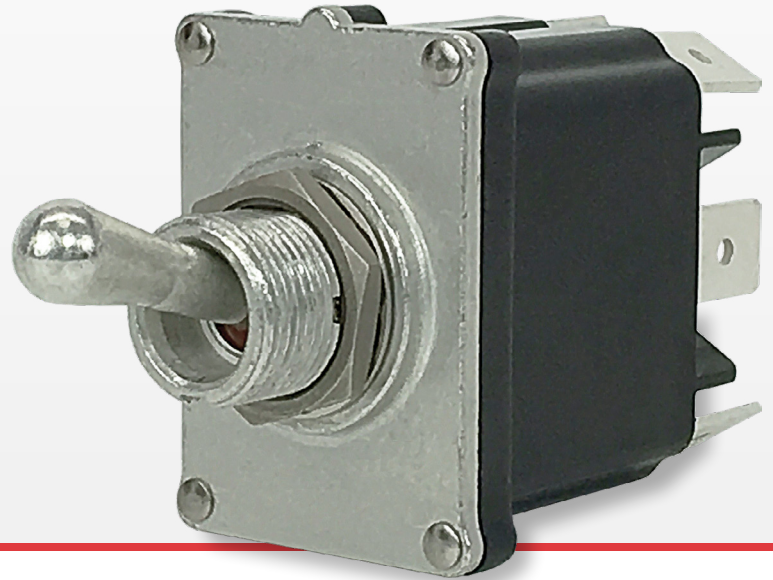
A Littelfuse® Brand

ST-Series

Sealed Toggle Switches

PRODUCT WEBPAGE

request sample, configure part, watch video



Designed to conform to MIL-DTL-3950G requirements for environmentally sealed toggle switches, and compliant to UL 60079-15 standard for use in explosive gas atmospheres. The ST-Series is fully sealed to IP68, including below the panel and features innovative design and performance principles sure to withstand the most demanding applications.

1-2

Poles

10-16

Amps

125, 250

VAC

12-24

VDC

Typical Applications

- Off-Highway
- Commercial Food
- Marine
- Armored Vehicles
- Military
- Applications requiring stringent sealing

Design Features

PINNED ACTUATOR / BUSHING

Keeps toggle or paddle firmly in place and prevents rotation

BRASS ROLLER PIN

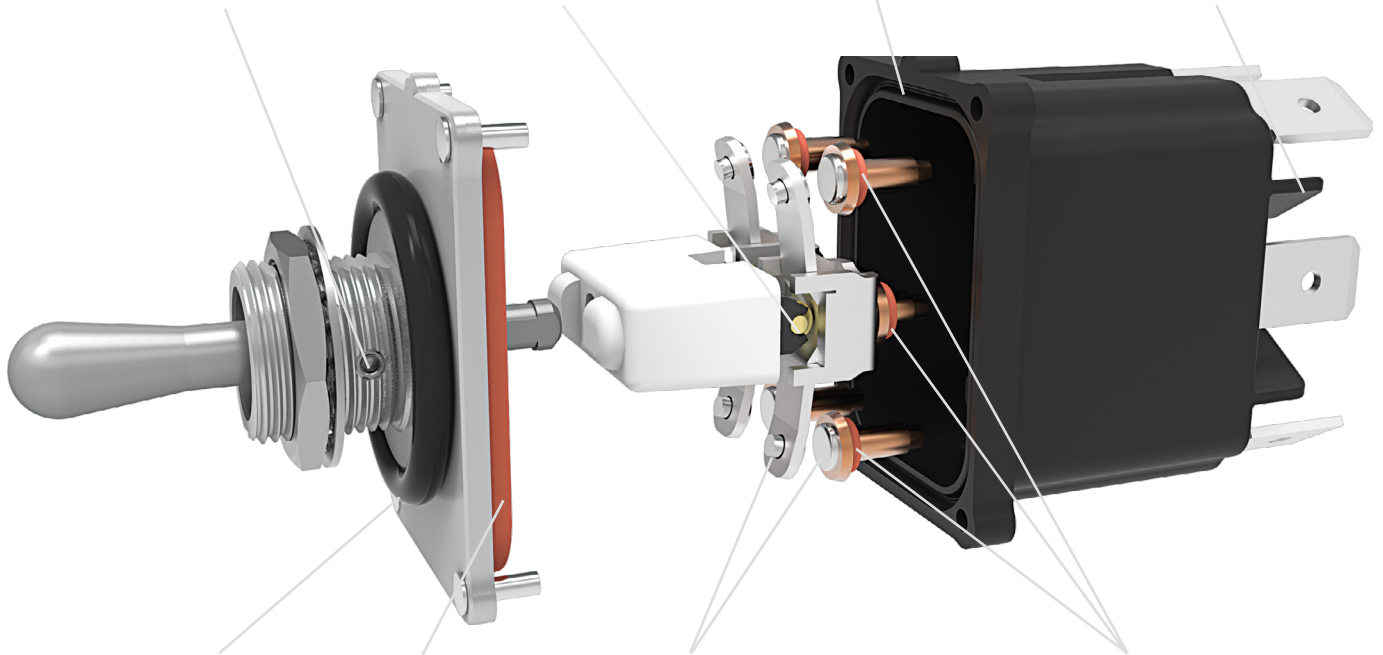
Provides rolling metal on metal actuation for maximum endurance

BASE SEAL CHANNEL

Perfectly fits the toggle assembly seal decreasing the dependence on clamping forces and rivets

TERMINAL BARRIERS

Comply with UL-61058-1 electrical spacing requirements



OPTIONAL O-RING

Assures additional under panel sealing protection

BUSHING/TOGGLE SEAL

Composed of dynamic silicone material that bonds to the metal toggle, pin, and bushing

RIVETS

High purity copper composite and silver alloy materials handle various electrical loads and maintain low contact resistance

TERMINAL SEALS

Assure a secure seal at extreme temperatures. Eliminates potential for separated joints associated with insert molded constructions

Tech Specs

Electrical

Contact Rating	10A 250VAC, 15A 125VAC, 16A 12/24VDC
Dielectric Strength	MIL-STD-202G, Method 301 (1500 Volts RMS)
Insulation Resistance	MIL-STD-202G, Method 302 (50 MegOhms, 500 VDC)
Initial Contact Resistance	MIL-STD-202G, Method 307 (10 milliOhms max.)
Insulation Resistance	Overload: MIL-DTL-3950G, Section 4.8.11.1 Electrical Endurance and Temperature: UL 61058-1 Momentary circuits: 25,000 operations, minimum. Maintained circuits: 50,000 operations, minimum.
Initial Contact Resistance	UL-1500 Ignition-Protection Test for Marine Products
Ignition Protection	Up to 100,000 cycles, circuit and load dependent
Explosion Protection	UL 60079-15 Electrical Apparatus for Explosive Gas Atmospheres
Contacts	Silver / Nickel Alloy
Terminals	Brass or Copper / silver plated. Tab Terminal: ¼" quick-connect Screw Terminal: #6-32 brass screw and cage clamp MIL-STD-202G, Method 211 Test Condition A, and B: 25 lb. pull test, two terminal bends.

Agency Approvals

UL and cUL
Reference: UL 61058-1 and CAN/CSA-C22.2 No. 61058-1-09, Switches for Appliances - Part 1: General Requirements. Certificate number 20181012-E7560.
UL 1500 Ignition-Protection.
UL 60079-15 Electrical Apparatus for Explosive Gas Atmospheres.

Environmental

Temperature	Operating: -40°C to +85°C Storage: -65°C to +85°C										
Vibration	MIL-STD-202G: Method 204D, Test Condition A (10 G peak, Harmonic, 10Hz to 500Hz sweeps, 9 hours total).										
Shock	MIL-STD-202G: Method 213B, Test Condition K (30 G, half sine)										
Sealing	IP68, for above and below-panel components of actual switch only.										
Salt Atmosphere	MIL-STD-202G, Method 101, Test Condition A (96 hrs)										
Thermal Shock	MIL-STD-202G, Method 107, Test Condition A (five cycles in air: -55°C, +25°C, +125°C, +25°C)										
Moisture Resistance, Humidity	MIL-STD-202G, Method 106 (ten 24-hour stepped cycles)										
Chemical Resistance	No permanent loss of function, obvious loss of sealing, distortion, softening, embrittlement, discoloration or corrosion after being brushed for 10 minutes, wetting all exposed surfaces. Relevant chemical compatibility documentation may be used in place of testing. <table><tr><td>Chemical</td><td>Concentration</td></tr><tr><td>Gasoline</td><td>100%</td></tr><tr><td>Ethylene Glycol</td><td>50% in water</td></tr><tr><td>Ethanol/Methanol</td><td>10% in water</td></tr><tr><td>Diesel Fuel</td><td>100%</td></tr></table>	Chemical	Concentration	Gasoline	100%	Ethylene Glycol	50% in water	Ethanol/Methanol	10% in water	Diesel Fuel	100%
Chemical	Concentration										
Gasoline	100%										
Ethylene Glycol	50% in water										
Ethanol/Methanol	10% in water										
Diesel Fuel	100%										

Physical

Function, Operation, Circuits	Single Pole/ Double Pole with Circuits Single Throw/ Double Throw, Two/Three position, Maintain/ Momentary circuits
Toggle	Tin plated brass bat or tall bat
Paddle	Acetal, UV stabilized yellow, red, white and black.
Mechanism Actuator	Polyester PBT, UL94-V0 and fungus resistant per MIL-STD- 810G, Section 508.6
Internal Seals	Silicone per A-A-59588-1A.
Mounting, Hardware	15/32"-32 UNS-2A threaded bushing with a keyway. A single nut and lock washer are supplied unassembled.
Bushing/Top Plate	Zinc/aluminum die cast, with tin plating.
Base	Polyester PBT, UL94-V0 and fungus resistant per MIL-STD- 810G, Section 508.6
Actuation Force	Initial Actuation Forces ± 0.3 lb (for 2-Pole circuits, short bat)
Angular Movement	14.5 degrees, each side of center

Ordering Scheme

Sample
Part Number

ST A 2 E 1 - 53

Selection 1 2 3 4 5 6

1. SERIES

ST Sealed Toggle

2. CIRCUIT

	2 & 3, 5 & 6 Connected Terminals		1 & 2, 4 & 5
Position:	1	2	3
A	ON	NONE	OFF
B	(ON)	NONE	OFF
C	ON	NONE	(OFF)
D	ON	NONE	ON
F ⁶	ON	NONE	(ON)
J	ON	OFF	ON
K	ON	OFF	(ON)
L	(ON)	OFF	(ON)
Special Circuits ⁶			
E 2,3	5 & 6	5 & 3	5 & 1
G 2,4	2 & 3, 5 & 6	2 & 3	OFF
M 2,4	(2 & 3, 5 & 6)	2 & 3	OFF

3. POLES

- 1** Single pole using terminals 1, 2 & 3
2 Double pole using terminals 1, 2, 3, 4, 5 & 6

Notes:

- 1 Standard hardware is (1) inner tooth lock washer and (1) hex nut bulk.
2 Available only with 2 pole option in selection box # 3.
3 External customer supplied jumper required between terminals 2 & 4 to get SP ON-ON-ON circuit.
4 Available with termination B and E only.
5 Available with special circuit G and M only.
6 Not available with rating 5.
7 Available with termination 1 and 4 only.

4. RATING

- 4** 10A 250VAC; 15A 125VAC
5⁷ 10A 250VAC; 15A 125VAC (UL, cUL Recognized)
E 16A, 12/24VDC

5. TERMINATION

- 1** .250 (6.4mm) TAB (QC)
4 Screw with Cage Clamps
B⁵ .250 (6.4mm) TAB (QC). Jumper T2 to T5.
No terminal at T5
E⁵ Screw with Cage Clamps. Jumper T2 to T5.
No terminal at T5

6. ACTUATOR STYLE

TOGGLE (SEALED METAL)

Without Panel Seal	With Panel Seal (Bulk)	Toggle Color	Toggle Length	Bushing Length
53	58	Dull Nickel	.561	.385
73	78	Dull Nickel	.687	.385

PADDLE (SEALED PLASTIC)

Without Panel Seal	With Panel Seal (Bulk)	Paddle Color	Paddle Length	Bushing Length
B3	B8	Black	.880	.385
W3	W8	White	.880	.385
R3	R8	Red	.880	.385
Y3	Y8	Yellow	.880	.385

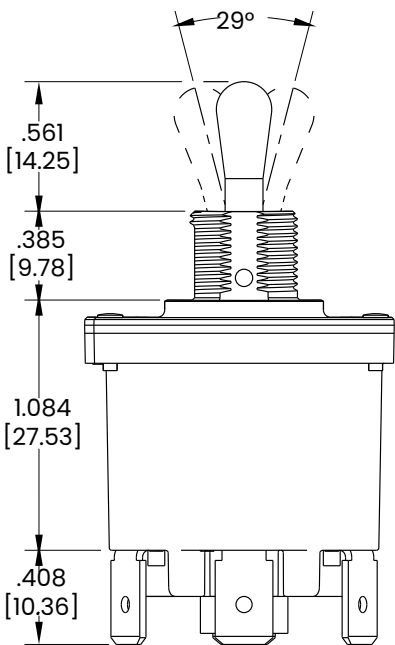
 [Configure Complete Part Number >](#)

 [Browse Standard Parts >](#)

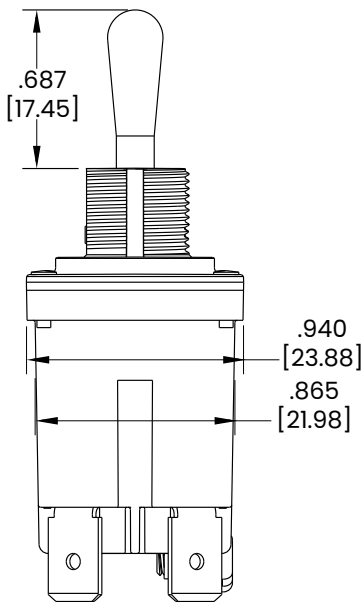
Dimensional Specs

inches [millimeters]

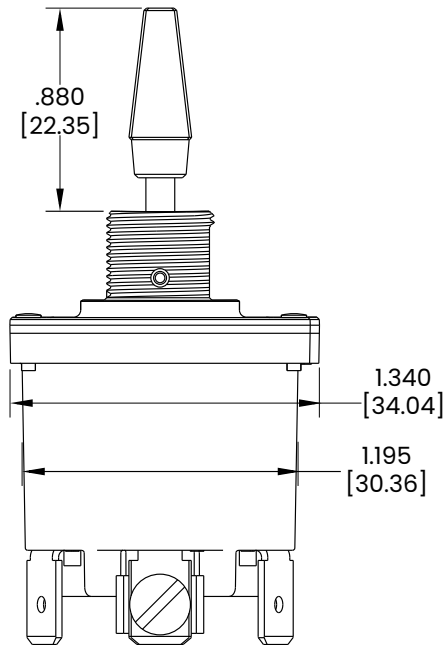
BAT TOGGLE



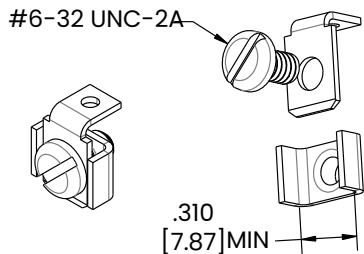
TALL BAT TOGGLE



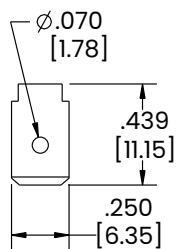
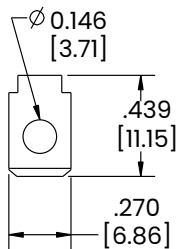
PADDLE TOGGLE



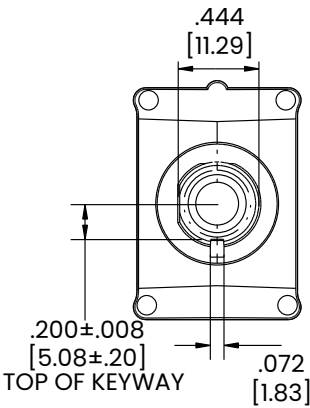
TERMINALS



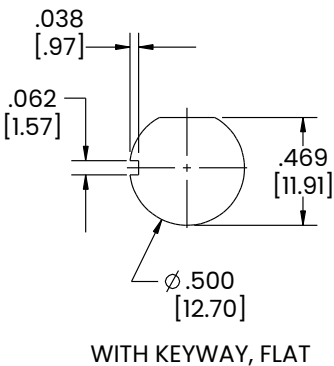
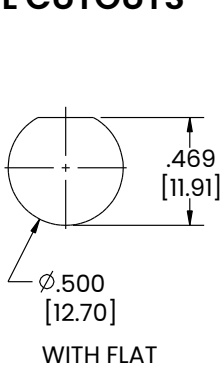
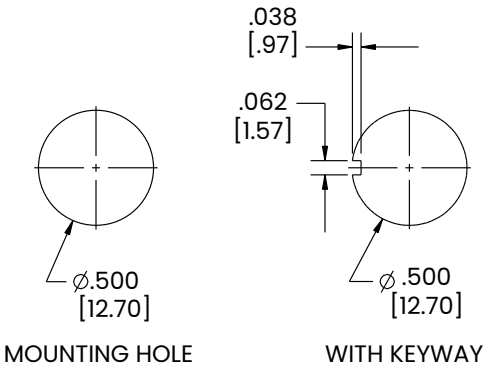
SCREW (AND CAGE) TERMINAL



.250 TAB (Q.C.) TERMINAL



PANEL CUTOUTS





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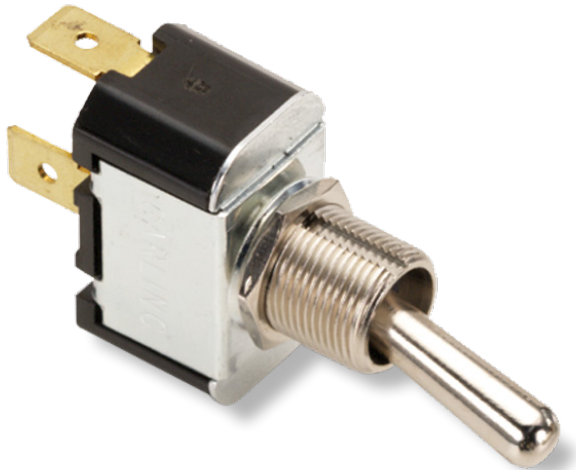
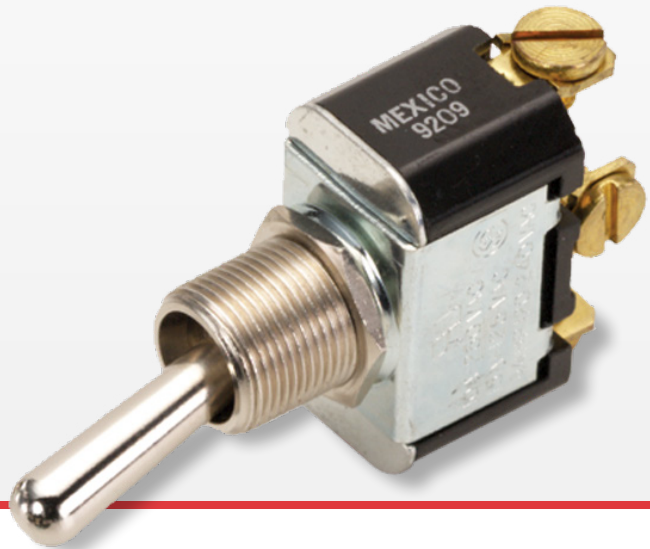
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F-Series

Single Pole Toggle Switches

PRODUCT WEBPAGE

request sample, configure part



General purpose workhorses with options tailored to meet most any need. Ratings to 20A 277VAC, various actuator, bushing, termination, and circuit choices allow this versatile switch to easily integrate into a variety of different applications. The F-Series is appropriate for usage in low voltage DC applications.

1

Pole

3-20

Amps

125, 250

VAC

12-24

VDC

Typical Applications

- Marine
- Generators
- Industrial
- Office Automation
- Medical Equipment

Tech Specs

Dielectric Strength

1000V - live to dead metal parts

Electrical Life

50,000 cycles - maintained
25,000 cycles - momentary

Operating Temperature

0°F to 150°F (-17.8°C to +65.6°C)

Ordering Scheme

Sample
Part Number **2FA54 - 73 /TABS**

Selection

1

2

3

1. SERIES

10A 250VAC; 15A 125VAC; 3/4 HP 125-250VAC

	Solder Lug	.250 Tab Q.C.	Screw Terminals
On-None-Off	2FA53	2FA53-.../TABS	2FA54
(On)-None-Off	6FA53	6FA53-.../TABS	6FA54
On-None-(Off)	6FA57	6FA57-.../TABS	6FA58
On-None-On	2FB53	2FB53-.../TABS	2FB54
On-None-(On)	6FB53	6FB53-.../TABS	6FB54
On-Off-On	2FC53	2FC53-.../TABS	2FC54
On-Off-(On)	6FC57	6FC57-.../TABS	6FC58
(On)-Off-(On)	6FC53	6FC53-.../TABS	6FC54

Additional ratings up to 20A 125VAC, 12A 250VAC, 1HP 120-240 VAC available. Consult factory for specifics.

2. ACTUATOR STYLE

BAT STYLE TOGGLE ²

unsealed	sealed	toggle length	bushing length
73	78	0.687	0.465
E3	E8	2.000	0.465

3. TAB TERMINALS

/TABS	Tab Terminals
(blank)	Leave blank if tab terminals not required.

Notes:

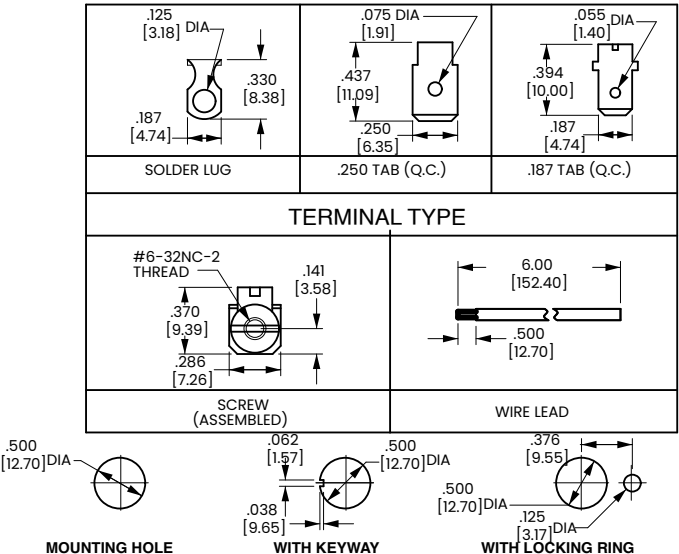
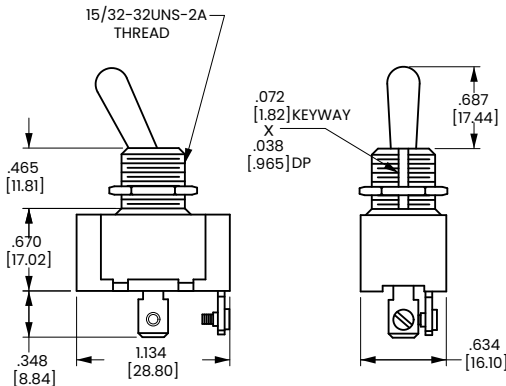
- 1 Consult factory for .187 tab, wire lead and combination screw/tab/solder lug termination callouts.
 - 2 Additional toggle options are available. Consult factory.
- () indicates momentary function.

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

Dimensional Specs

inches [millimeters]





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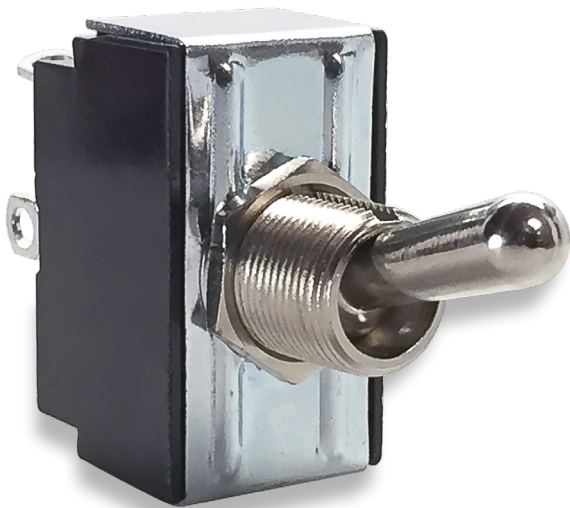
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G-Series

Toggle Switches

PRODUCT WEBPAGE

request sample, configure part



General purpose workhorses with options tailored to meet most any need. Ratings to 20A 277VAC, international approvals, various actuator, bushing, termination, and circuit choices allow this toggle switch to easily integrate into a variety of different applications. The G-Series is appropriate for usage in low voltage DC applications.

1-2
Poles

3-20
Amps

125, 250
VAC

12-24
VDC

Typical Applications

- Marine
- Generators
- Industrial
- Office Automation
- Medical Equipment

Tech Specs

Dielectric Strength

UL/CSA: 1000V - live to dead metal parts
& opposite polarity
VDE: 4000V - live to dead metal parts;
1250V - opposite polarity & across open
contacts

Electrical Life

50,000 cycles - maintained
25,000 cycles - momentary

Operating Temperature

32°F to 185°F (0° to 85°C)

Ordering Scheme

Sample
Part Number

2GM51 - 73

Selection

1

2

1. SERIES ³

Single Pole in Double Pole base

10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC
solder lug .250 tab screw term.

2GA50	2GA51	2GA54	On-None-Off
6GA5A	6GA5B	6GA5E	(On)-None-Off
6GA5L	6GA5M	6GA5S	On-None-(Off)
2GB50	2GB51	2GB54	On-None-On
6GB5A	6GB5B	6GB5E	On-None-(On)
2GC50	2GC51	2GC54	On-Off-On
6GC5A	6GC5B	6GC5E	On-Off-(On)
6GC5L	6GC5M	6GC5S	(On)-Off-(On)

Double Pole

solder lug	.250 tab	screw term.
2GK50	2GK51	2GK54
6GK5A	6GK5B	6GK5E
6GK5L	6GK5M	6GK5S
2GL50	2GL51	2GL54
6GL5A	6GL5B	6GL5E
2GM50	2GM51	2GM54
6GM5A	6GM5B	6GM5E
6GM5L	6GM5M	6GM5S

10A 250VAC, 15A 125VAC, 12 (6)A 250VAC T85/55 ENEC/VDE Approved¹

2GA90	2GA91	-	On-None-Off	2GK90	2GK91
2GB90	2GB91	-	On-None-On	2GL90	2GL91
2GC90	2GC91	-	On-Off-On	2GM90	2GM91

Additional ratings up to 20A 125VAC, 12A 250VAC, 1HP 120-240 VAC available.
Consult factory for specifics.

2. ACTUATOR STYLE ⁴

	unsealed	sealed	toggle length	bushing length
Bat	73	78	0.687	0.465
Paddle ⁵	NBL3	NBL8	0.687	0.465
Bat ²	D-3B-B	-	0.687	0.379
Paddle ²	-	D-4B-B	0.687	0.379

Notes:

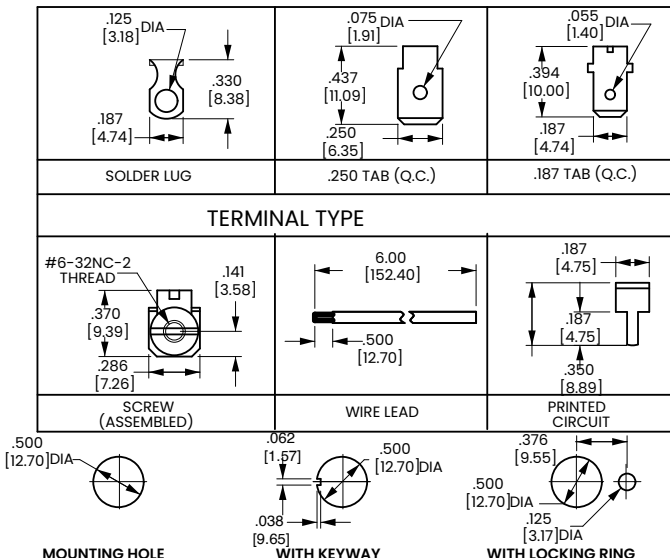
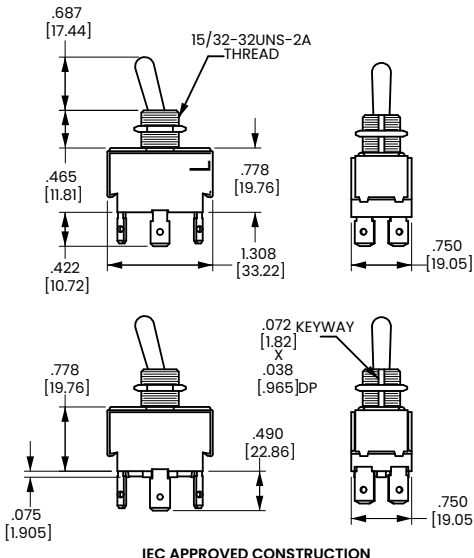
- 1 Available with 3B and 4B Actuators only.
- 2 All nylon bushing and toggle.
- 3 Consult factory for .187 tab, wire lead and combination screw/tab/
solder lug termination callouts.
- 4 Additional actuator options available. Consult factory.
- 5 Nylon toggle with black ebanol plated bushing.
- () Indicates momentary function.

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

Dimensional Specs

inches [millimeters]





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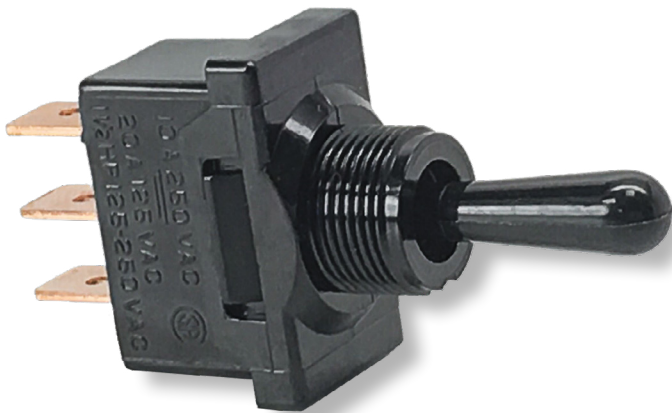
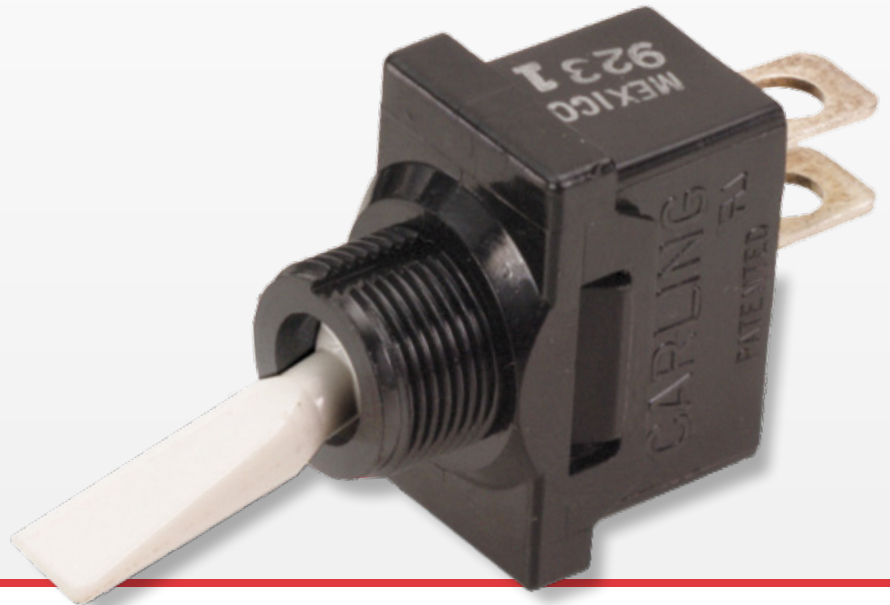
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D-Series

Single Pole Toggle Switches

PRODUCT WEBPAGE

request sample, configure part



The D-Series single pole compact high current toggle switches are ideal for applications with back panel size constraints. These switches feature self-cleaning contacts and ratings up to 20A 125VAC, 10A 250VAC, 11/2 HP 125-250VAC. With an economical double insulated all nylon construction, these switches figure prominently in markets with stringent current carrying requirements.

1

Pole

5-20

Amps

125, 250

VAC

Typical Applications

- Environmental Controls
- Marine
- Food Service
- Vacuum Cleaners

Tech Specs

Dielectric Strength

1000V - live to dead metal parts and opposite polarity.

Electrical Life

25,000 cycles

Operating Temperature

32°F to 185°F (0°C to 85°C)

Ordering Scheme

Sample Part Number **DA221 - P - B - B**

Selection 1 2 3 4

1. SERIES

10A 250VAC, 20A 125VAC, 1 1/2 HP 125-250VAC
Solder Lug .250 Tab Wire Leads
On-None-Off **DA220 DA221 DA225**
On-None-On **DB220 DB221 DB225**
On-Off-On **DC220 DC221 DC225**

2. ACTUATOR STYLE

B Bat **P** Paddle

3. ACTUATOR COLOR ²

B Black **W** White

4. BUSHING COLOR ²

B Black **W** White

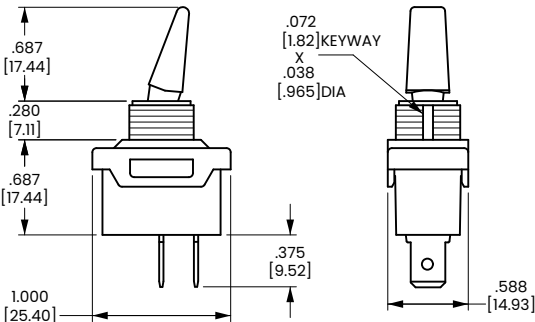
Notes:
1 DA945 available with wire leads and ON-OFF circuit only.
2 Additional colors available. Please consult factory.

[Configure Complete Part Number >](#)

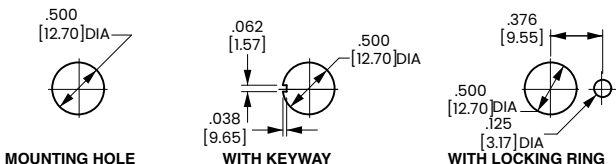
[Browse Standard Parts >](#)

Dimensional Specs

inches [millimeters]



 .156 DIA [3.96] .375 [9.52] .250 [6.35]	 .069 [1.75] DIA .250 [6.35]	 6.000 [152.4] .500 [12.70]
SOLDER LUG	.250 TAB (Q.C.)	INTEGRATED WIRE LEAD (no exposed conductors)
TERMINAL TYPE		





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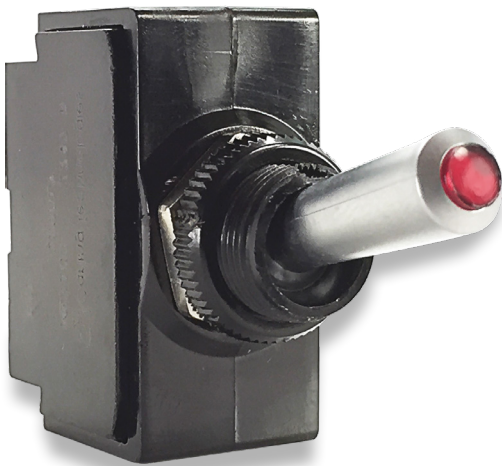
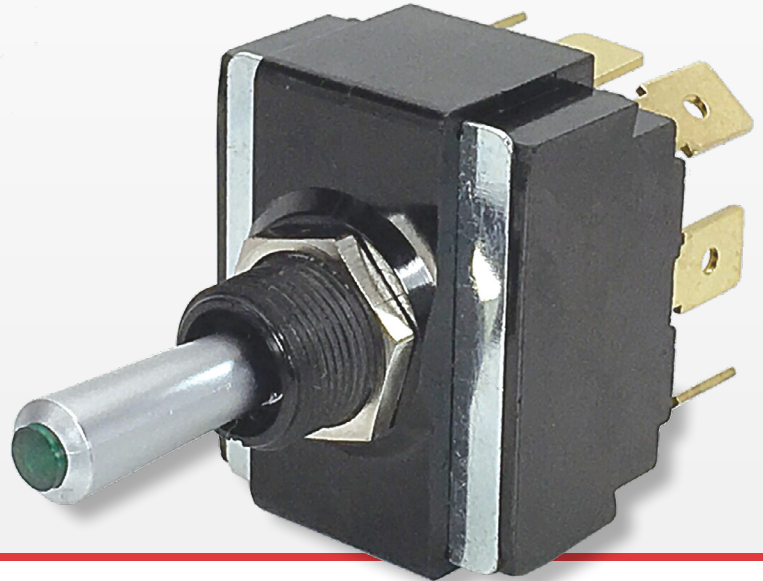
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LT-Series

Toggle Switches

PRODUCT WEBPAGE

request sample, configure part



The LT-Series illuminated toggle switches feature up to a three-color lighting sequence from a single lamp. These lighted toggles contain neoprene bushing seals for dust and moisture protection. A variety of circuits and terminations are available.

1-2
Poles

10-15
Amps

125,250
VAC

12-28
VDC

Typical Applications

- Marine
- Transportation

Tech Specs

Dielectric Strength

1000V - live to dead metal parts

Electrical Life

50,000 cycles - maintained
25,000 cycles - momentary

Operating Temperature

32°F to 185°F (0° to 85°C)

Ordering Scheme

Sample
Part Number

LT-1561 - 1 30 - 012

Selection

1

2

3

4

1. SERIES

10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC, 15A 12-28VDC

Single Pole	Solder Lug	.250 Tab QC	Screw Terms	Wire Leads
On-None-Off	LT-1510	LT-1511	LT-1514	LT-1515
On-None-(Off)	LT-1520	LT-1521	LT-1524	LT-1525
(On)-None-Off	LT-1530	LT-1531	LT-1534	LT-1535
On-None-On	LT-1540	LT-1541	LT-1544	LT-1545
On-None-(On)	LT-1550	LT-1551	LT-1554	LT-1555
On-Off-On	LT-1560	LT-1561	LT-1564	LT-1565
On-Off-(On)	LT-1570	LT-1571	LT-1574	LT-1575
(On)-Off-(On)	LT-1580	LT-1581	LT-1584	LT-1585
Double Pole	Solder Lug	.250 Tab QC	Screw Terms	Wire Leads
On-None-Off	LT-2510	LT-2511	LT-2514	LT-2515
On-None-(Off)	LT-2520	LT-2521	LT-2524	LT-2525
(On)-None-Off	LT-2530	LT-2531	LT-2534	LT-2535
On-None-On	LT-2540	LT-2541	LT-2544	LT-2545
On-None-(On)	LT-2550	LT-2551	LT-2554	LT-2555
On-Off-On	LT-2560	LT-2561	LT-2564	LT-2565
On-Off-(On)	LT-2570	LT-2571	LT-2574	LT-2575
(On)-Off-(On)	LT-2580	LT-2581	LT-2584	LT-2585

2. ACTUATOR STYLE

Paddle¹

- 1 Clear Paddle
- 4 Solid Color Paddle

Snapkap Style²

- 5 Bright Chrome
- 6 Satin Chrome
- 7 Black Molded

Notes:

- 1 Solid color paddle available with lighting sequence 01, 02, 10 or 20.
- 2 SnapKap Toggle Lenses are available separately. Consult factory.
- 3 Independent lamp is standard. Dependent lamp with ON-OFF function (including momentary) is available with Lighting Sequences 10, 20, 30, 40 and 50. (No light in OFF position.)
- 4 Green and blue not recommended with 125 volt or 250 volt neon lamps.
- 5 Additional terminations available. Consult factory for details.
- 6 Ignition protected (UL 1500) construction is available, consult factory for details.
- () Indicates momentary function.

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

3. LIGHTING SEQUENCE

3,4

	position 1	position 2	position 3
01	red	red	red
02	amber	amber	amber
03	green	green	green
10	red	---	none
11	red	clear	red
12	red	clear	amber
13	red	clear	green
14	red	clear	blue
15	red	clear	clear
20	amber	---	none
21	amber	clear	red
22	amber	clear	amber
23	amber	clear	green
24	amber	clear	blue
25	amber	clear	clear
30	green	---	none
31	green	clear	red
32	green	clear	amber
33	green	clear	green
34	green	clear	blue
35	green	clear	clear
40	blue	---	none
41	blue	clear	red
42	blue	clear	amber
43	blue	clear	green
44	blue	clear	blue
45	blue	clear	clear
50	clear	---	none
51	clear	clear	red
52	clear	clear	amber
53	clear	clear	green
54	clear	clear	blue
55	clear	clear	clear

4. LAMP VOLTAGE

4

incandescent

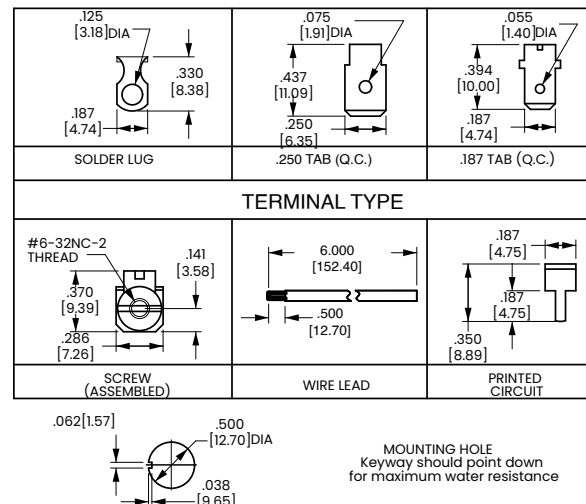
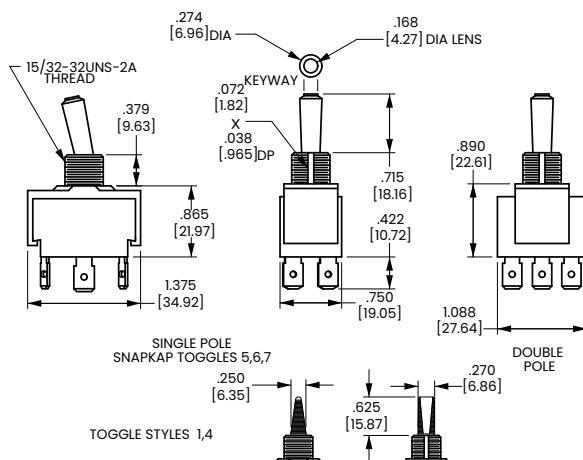
006 6 volt 012 12 volt 018 18 volt 024 24 volt

neon

125N 125 volt neon 250N 250 volt neon

Dimensional Specs

inches [millimeters]

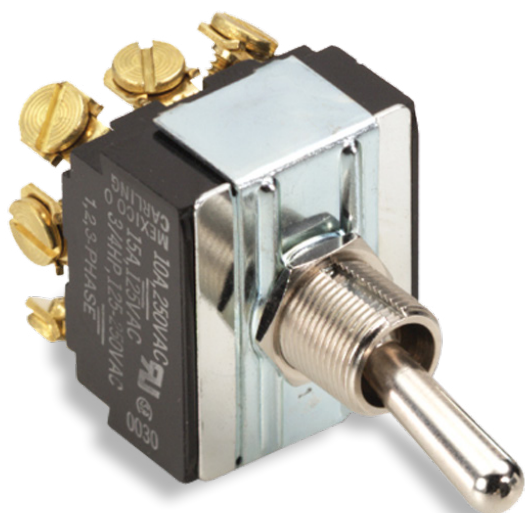
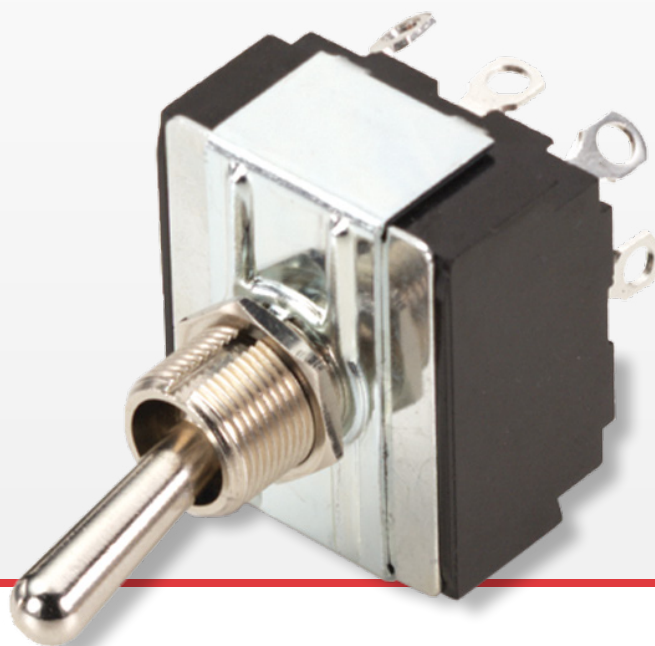


H/I-Series

Toggle Switches

PRODUCT WEBPAGE

request sample, configure part



General purpose workhorses with options tailored to meet most any need. Ratings to 17A 125VAC, various actuator, bushing, termination, and circuit choices allow this toggle to easily integrate into a variety of different applications. The H/I-Series is appropriate for usage in low voltage DC applications.

3-4

Poles

3-17

Amps

125, 250, 600

VAC

12-24

VDC

Typical Applications

- Marine
- Food Service
- Generator
- Industrial Control
- Office Automation

Tech Specs

Dielectric Strength

UL/CSA: 1000V - live to dead
metal parts

Electrical Life

50,000 cycles - maintained
25,000 cycles - momentary

Operating Temperature

32°F to 185°F (0° to 85°C)

Ordering Scheme

Sample
Part Number

H K 25 1 - 73

Selection

1

2

3

4

5

1. SERIES

H

2. CIRCUIT

5, 9, 10, 11, 12

Three Pole

K ON-NONE-OFF
L ON-NONE-ON
M ON-OFF-ON
O ON-OFF-ON

Three Pole (In Four Pole Base)

K ON-NONE-OFF
L ON-NONE-ON
M ON-OFF-ON

3. RATING

25 10A 250 VAC
15A 125 VAC
3/4HP 250 VAC
1, 2 or 3-Phase
26 3A 250 VAC
6A 125 VAC
1/4HP 125-250 VAC
1, 2 or 3-Phase
27 12A 250 VAC
17A 125 VAC
1-1/2HP 250 VAC
1, 2, 3-Phase

A25 6A 600VAC,
10A 250 VAC,
15A 125 VAC,
3/4HP 250 VAC,
1, 2, 3-Phase,
1 HP 480-600VAC; 3 Phase
A27 6A 600 VAC,
12A 250 VAC,
17A 125 VAC,
2 HP 480-600 VAC; 3 Phase

4. TERMINATION/FUNCTION

1, 4

Function	Solder Lug	.250 Tab (QC)	.205 Tab (QC)	.187 Tab (QC)	Screw Term.	Wire Lead	PC Term.	Combi Term
ON-NONE-OFF	0	1	2	3	4	5	6	7
(ON)-NONE-OFF	A	B	C	D	E	F	G	H
ON-NONE-(OFF)	L	M	Q	R	S	T	U	Y
ON-NONE-ON	0	1	2	3	4	5	6	7
ON-NONE-(ON)	A	B	C	D	E	F	G	H
ON-OFF-ON	0	1	2	3	4	5	6	7
ON-OFF-(ON)	A	B	C	D	E	F	G	H
(ON)-OFF-(ON)	L	M	Q	R	S	T	U	Y

5. TOGGLE STYLE

8

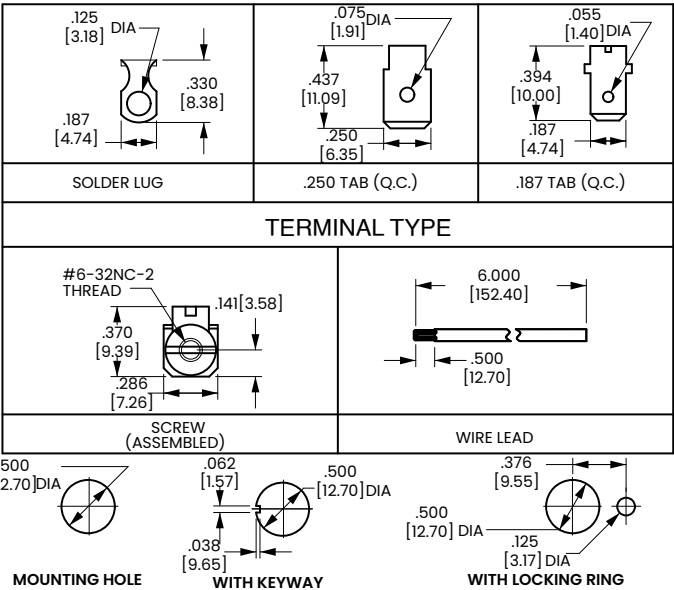
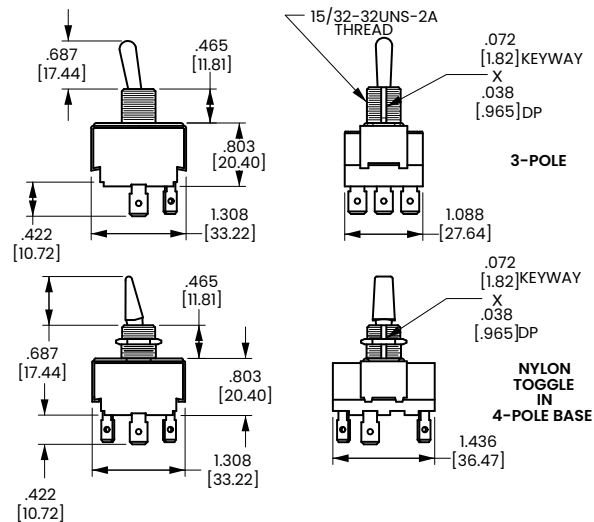
Bat Style Toggle	Toggle with Neoprene Seal	Toggle Length	Bushing Length
73	78	.687	.465
NBL3	NBL8	.687	.465
NWH3	NWD8	.687	.465
NRD3	NRD8	.687	.465

Notes:

- Standard wire lead length is 6". For other wire lead lengths, Use wire lead termination/function code and add "/" and the wire lead length required at the end of the part number.. Example: HK255-73/10"
- Hardware/Packaging Options may be added to the base part number by adding a "/" with the option at the end of the part number.
Example: HL251-73 / HDW ASSM
Available options include:
2 Hex
No Hardware
HDW ASSM
HDW bulk
Poly
2 Hex nuts (1 assembled on switch, 1 Supplied in bulk)
No Hardware included
With Hardware assembled
With Hardware bulk
With Polybag
- The nbl3 and nbl8 toggle uses a black oxide plated metal bushing. Nwh and nrd toggles use nickel plated metal bushings. Nbl, nwh, and nrd toggles use a four pole base with pole 3 empty.
- () indicates momentary function.
- Maintained or Momentary action of the switch is determined by the combination of the circuit and termination/function designation of the description.
Example: HK25B-73 is a (ON)-OFF circuit with .250 TAB Terminals.
- Combi-terminals are only available with ratings 25 & 27 with screws and saddle Clamps Supplied in bulk.
- Screw terminals are supplied with screws assembled to terminals.
- Nylon toggles are not available with momentary circuits.
- The "o" circuit is a reversing circuit with jumpers from terminal 1 to 6, 3 to 4, and terminal 7 to 9. Terminals are located at 1, 2, 3, 4, 5, 6, 7, 8, and 9.
- The "o" circuit is not available with pc or combi terminals.
- A special "o" circuit is a reversing circuit called out with a "j" following the termination/function digit in the description. Jumpers are from terminal 1 to 5, 3 to 5, 4 to 9 and 6 to 7. Terminals are located at 2, 3, 6, and 9 with a double terminal at 8.
- Special "O" circuit only available with .250 Tab terminals. Example: H0251J-73
- When the switch circuit is not ul or csa approved, the rating code in the item master file will be 000, no matter what the rating code call out is in the switch description.

Dimensional Specs

inches [millimeters]





Littelfuse®



Carling Technologies®

A Littelfuse® Brand

MAAOA/ 215-Series

Toggle Switches

PRODUCT WEBPAGE

request sample, configure part



The MAAOA/215-Series toggle switches are single pole, AC rated at 20 amps and 125 VAC. These switches are snap-in mounted, with a phenolic toggle and base, and are suitable for high ambient temperature applications.

1

Pole

10-20

Amps

125, 250

VAC

Typical Applications

- Coffee Makers
- Food Warmers

Tech Specs

Dielectric Strength

UL/CSA: 1000V - live to dead
metal parts & opposite polarity

Electrical Life

25,000 cycles

Operating Temperature

32°F to 185°F (0° to 85°C)

Ordering Scheme

Sample
Part Number MAAOA - BL / ON-OFF

Selection 1 2 3

1. SERIES

10A 250 VAC, 20A 125 VAC, 1/2 HP 125-250 VAC	.250 Tabs	Screw Terms.	Wire Leads
Single Pole			
On-None-Off	MAAOA	215	215-A
(On)-None-Off	MM-021	-	-

Notes:
Standard wire lead length is 6". For other wire lead length, use wire lead termination/
function code and add "/" and the wire lead length required. Example: 215-A-BL/10"
1 Imprinting is available. ON-OFF legend is not standard and must be specified
after color. If not specified, switch will be manufactured with no legend.
() Indicates momentary function.

2. BASE & ACTUATOR COLOR

BL	Black
WH	White

3. LEGEND ¹

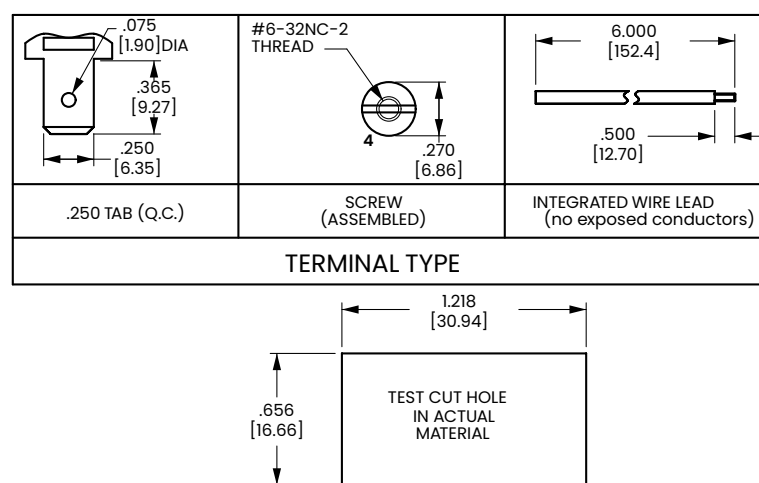
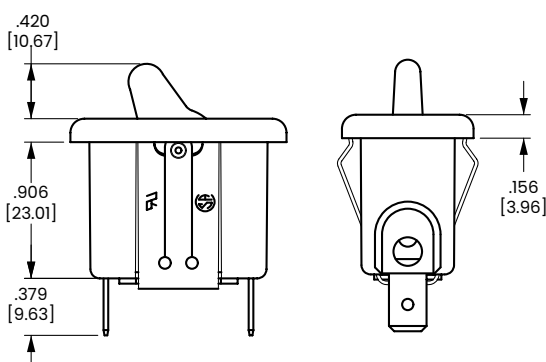
On-Off

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

Dimensional Specs

inches [millimeters]



MOUNTING HOLE

Panel Thickness: .030 [.762] min - .090 [2.28] max.
Specific cutout dimension range
dependent on panel thickness and material.