

# F-Series

## F-Series

### SINGLE POLE TOGGLE SWITCHES

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.



#### Resources:

Download 3D CAD Files

[IGS >](#) [STP >](#)

#### Product Highlights:

- ♦ Ratings to 20A
- ♦ Suitable for low voltage 12/24V DC
- ♦ Variety of termination options
- ♦ Consult factory for large choice of bushing/toggle length combinations

#### Typical Applications:

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



### Dielectric Strength

1000V - live to dead metal parts

### Electrical Life

50,000 cycles - maintained

25,000 cycles - momentary

### Mechanical Life

100,000 cycles

### Operating Temperature

0°F to 150°F (-17.8°C to +65.6°C)

**2FA54 - 73 / TABS**

<sup>1</sup>  
Base Part Number

<sup>2</sup>  
Actuator  
Style

<sup>3</sup>  
Tab Terminals

#### 1 BASE PART NUMBER: SERIES / CIRCUITRY / RATING / TERMINATION<sup>1</sup>

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

	Solder Lug	.250 Tab QC	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)	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<sup>2</sup>

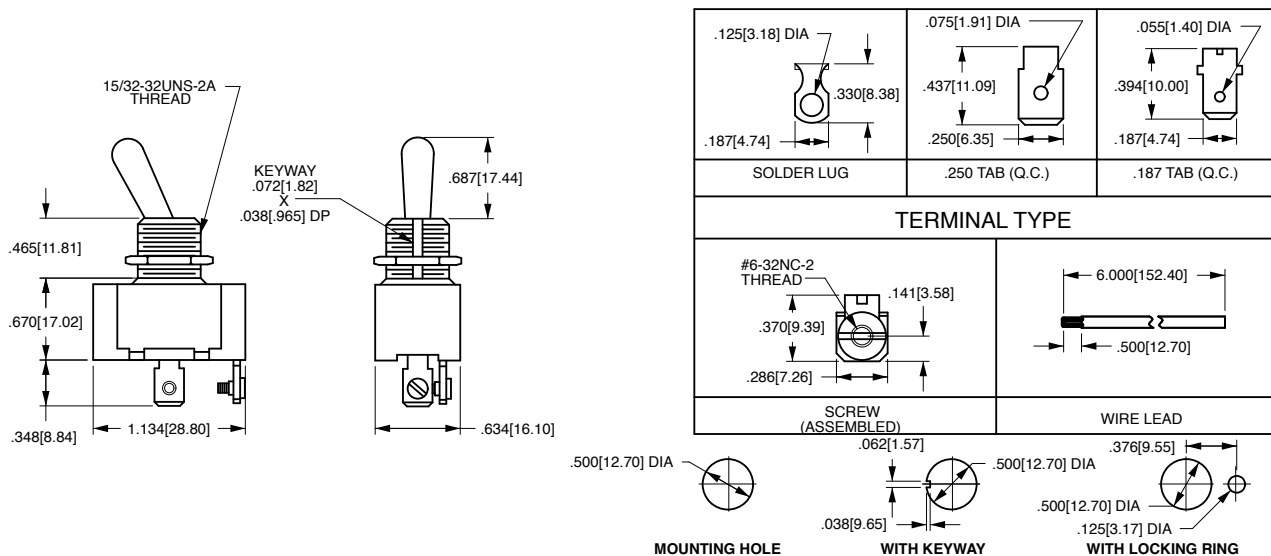
unsealed	sealed	toggle length	bushing length
73	78	0.687	0.465
E3	E8	2.000	0.465

#### 3 TAB TERMINALS

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

Notes:

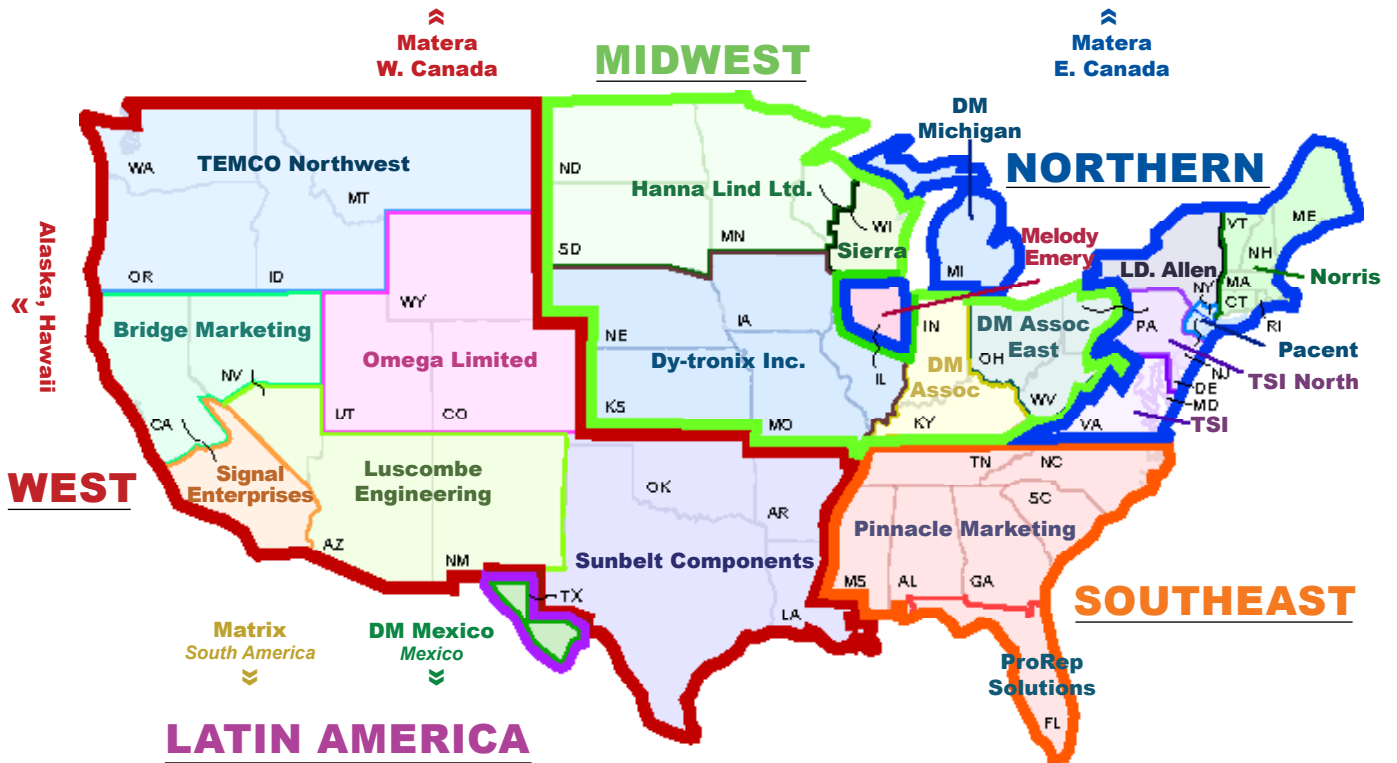
- 1 Consult factory for .187 tab, wire lead and combination screw/tab/solder lug termination callouts.
- 2 Additional toggle options are available. Consult factory.
- ( ) indicates momentary function.



\*Manufacturer reserves the right to change product specification without prior notice.

## Authorized Sales Representatives

Click on the group name on the map below to find your local representative or visit [www.carlingtech.com/findarep](http://www.carlingtech.com/findarep).



## About Carling

Founded in 1920, Carling Technologies is a leading manufacturer of electrical and electronic switches and assemblies, circuit breakers, electronic controls, power distribution units, and multiplexed power distribution systems. With four ISO registered manufacturing facilities and technical sales offices worldwide, Carling Technologies Sales, Service and Engineering teams do much more than manufacture electrical components, they engineer powerful solutions! To learn more about Carling please visit [www.carlingtech.com/company-profile](http://www.carlingtech.com/company-profile).

To view all of Carling’s environmental, quality, health & safety certifications please visit [www.carlingtech.com/environmental-certifications](http://www.carlingtech.com/environmental-certifications)

## **Worldwide Headquarters**

Carling Technologies, Inc.  
60 Johnson Avenue, Plainville, CT 06062  
**Phone:** 860.793.9281 **Fax:** 860.793.9231  
**Email:** sales@carlingtech.com

**Northern Region Sales Office:** nrsm@carlingtech.com  
**Southeast Region Sales Office:** sersm@carlingtech.com  
**Midwest Region Sales Office:** mrsm@carlingtech.com  
**West Region Sales Office:** wrsm@carlingtech.com  
**Latin America Sales Office:** larsm@carlingtech.com

## **Asia-Pacific Headquarters**

Carling Technologies, Asia-Pacific Ltd.,  
Kowloon, Hong Kong  
**Phone:** Int + 852-2737-2277 **Fax:** Int + 852-2736-9332  
**Email:** sales@carlingtech.com.hk

**Shenzhen, China:** shenzhen@carlingtech.com  
**Shanghai, China:** shanghai@carlingtech.com  
**Pune, India:** india@carlingtech.com  
**Kaohsiung, Taiwan:** taiwan@carlingtech.com  
**Yokohama, Japan:** japan@carlingtech.com

## **Europe | Middle East | Africa Headquarters**

Carling Technologies LTD  
4 Airport Business Park, Exeter Airport,  
Clyst Honiton, Exeter, Devon, EX5 2UL, UK  
**Phone:** Int + 44 1392.364422 **Fax:** Int + 44 1392.364477  
**Email:** ltd.sales@carlingtech.com

**Germany:** gmbh@carlingtech.com  
**France:** sas@carlingtech.com



**Carling Technologies®**

Innovative Designs. Powerful Solutions.