#### Features/Benefits

- Multi-pole and multi-position
- Panel and PCB mounting
- Positive detent
- Value added capability
- RoHS Compliant

### Typical Applications

- Small appliances
- Testing fixtures
- Safety equipment



c Sus Models Available

#### Specifications

CONTACT RATING: Q contact material: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA). See page K-24 for additional ratings.

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load. CONTACT RESISTANCE: Below 10 m  $\Omega$  typ. initial @

2-4 V DC, 100 mA, for both silver and gold plated contacts. INSULATION RESISTANCE: 10<sup>9</sup>  $\Omega$  min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

INDEXING:  $45^\circ$  or  $90^\circ$  -one contact models; two contact models, 4 pos. max. Models with common terminal -90°, 4 pos. max.

OPERATING & STORAGE TEMPERATURE: -30°C to 65°C

#### Materials

HOUSING & BUSHING: 6/6 Nylon (UL 94V-2).

ACTUATOR: 6/6 nylon (UL 94V-2).

- CONTACTS: Q contact material: Copper, silver plated. See page K-24 for additional contact materials.
- TERMINALS: Q contact material: Copper, silver plated. See page K-24 for additional contact materials.

CONTACT SPRING: Music wire or stainless steel.

MOUNTING NUT: Brass, nickel plated.

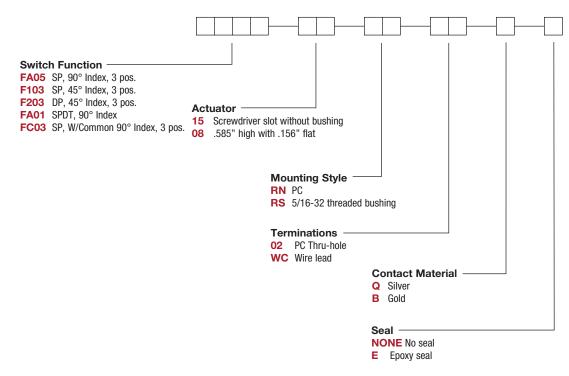
TERMINAL SEAL: Epoxy.

NOTE: Any models supplied with Q or B contact material are RoHS compliant.

**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Custome Service Center.

#### **Build-A-Switch**

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages K-22 thru K-24. For additional options not shown in catalog, consult Customer Service Center.





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n M

Rotar

## F Series Miniature ROTA-SLIDE<sup>®</sup> Rotary Switches

#### **SWITCH FUNCTION**

45° INDEXING NO. MODEL SWITCH TERMINALS POLES NO. FUNCTION SP F103 3 Position 8-1-2-3\* DP F203 3 Position All Terminals

POS. 1 POS. 8 POS. 7 POS. 7 POS. 6 POS. 6 POS. 4 POS. 4 POS. 4 POS. 4

F1XX MODELS

P05.2

Break-before-make contacts. Terminal numbers are molded on bottom of housing. Actuators are

P05.1

( )

FA01 MODEL

Break-before-make contacts. Terminal numbers

are molded on bottom of housing. Actuators are

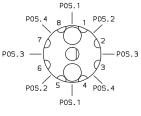
FAXX models: No common terminal is present. Switching function is provided by movable contacts

shorting adjacent pairs of stationary contacts.

shown in position 1.

F1XX, F2XX models: No common terminal is present. Switching function is provided by movable contacts shorting adjacent pairs of stationary contacts.

shown in position 1.

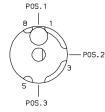


F2XX MODELS

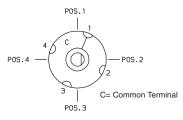
**NOTE:** \*Switches with '02' PC terminations have additional terminal no. 5 as switch support only. This terminal is not connected electrically inside switch.

	90		
NO. POLES	MODEL NO.	SWITCH FUNCTION	TERMINALS
SP	FA01	SPDT	8-1-3
	FA05	3 Position	8-1-3-5
SP WITH COMMON	FC03	3 Position	C-1,C-2,C-3

## 90° INDEXING SCHEMATICS



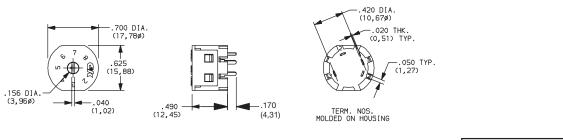
FA05 MODEL



FCXX MODEL

FCXX models: Common terminal is present.

**NOTE:** \*Switches with '02' PC terminations have additional terminal no. 5 as switch support only. This terminal is not connected electrically inside switch.



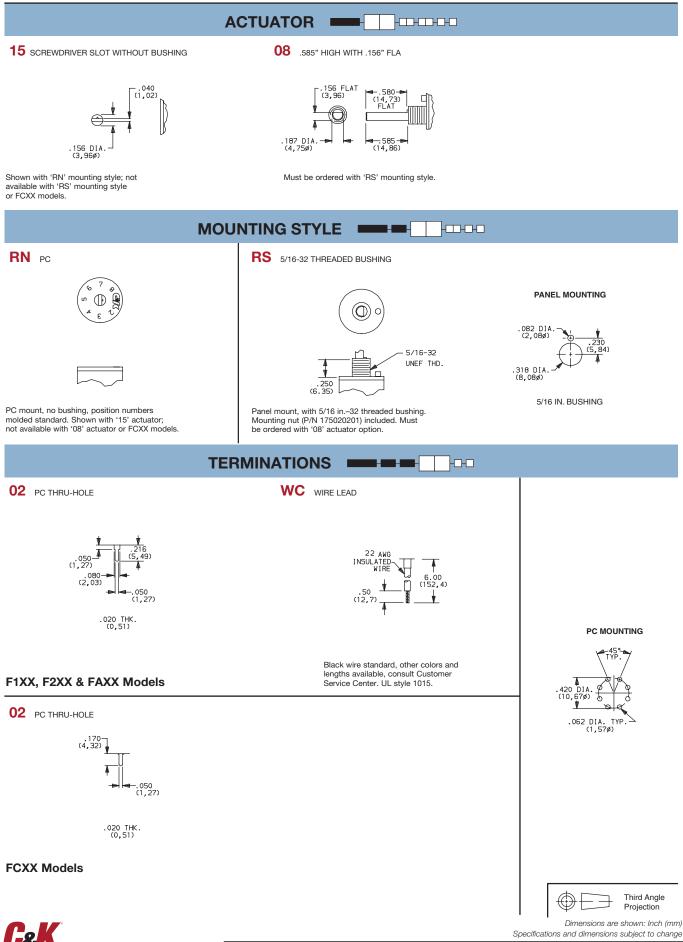
Part number show: FC0315RN02Q



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# F Series Miniature ROTA-SLIDE<sup>®</sup> Rotary Switches



# F Series Miniature ROTA-SLIDE<sup>®</sup> Rotary Switches

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATING		
Q	SILVER <sup>2</sup>	POWER	4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA).	
В	GOLD <sup>1</sup>	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC or DC MAX.	

\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definition and specifications.

<sup>1</sup> CONTACTS & TERMINALS: Copper, with gold plate over nickel plate. <sup>2</sup> CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options). NOTE: Any models supplied with Q or B contact material are RoHS compliant.

All models

with all options when ordered with 'Q' contact material.



NONE NO SEAL

E EPOXY SEAL

▲.075 MAX.

Not available on FCXX models.



Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



# **Mouser Electronics**

Authorized Distributor

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## C&K Switches:

 FA0108RS02Q
 FA0108RSWCQ
 FA0115RN02B
 FA0515RN02B
 FA0108RSWCQE
 FA0115RN02Q
 FA0508RS02Q

 FA0515RN02Q
 FA0115RN02QE
 F10308RSWCQ
 F10315RN02BE
 F20315RN02BE
 F10315RN02QE

 F10315RN02Q
 F20315RN02QE
 F20315RN02QE
 F20315RN02QE
 F20315RN02QE