

Distinctive Characteristics

Optional caps in different colors to vary appearance as needed.

Low operating force for ease of actuation.

Rear panel bushing mount with compact behind panel dimension.

Internal antijamming feature to protect the contacts from damage due to excessive force on the plunger.

Self-cleaning contacts make FB models highly reliable.

Low cost device of rugged one-piece bushing and housing construction.

Reliability of construction with an internal guide to maintain contact alignment.

Epoxy sealed terminals.



Actual Size





General Specifications

FB Series

Electrical Capacity (Resistive Load)

Power Level: 500mA @ 125V AC for silver

0.4VA max. @ 28V AC/DC max. for gold Logic Level: (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)

Note: Find additional explanation in Supplement section.

Other Ratings

Contact Resistance: 30 milliohms maximum for silver;

30 milliohms maximum for gold

Insulation Resistance: 100 megohms minimum @ 500V DC

Dielectric Strength: 1,000V AC minimum between contacts & between contacts & case for 1 minute minimum

Mechanical Life: 50,000 operations minimum **Electrical Life:** 50,000 operations minimum

Nominal Operating Force: 2.16N

> Pretravel .043" (1.1mm) Travel:

> > Overtravel .022" (0.57mm) Total Travel .065" (1.67mm)

Materials & Finishes

Polyacetal Plunger:

Bushing: Brass with nickel plating

Case: Phenolic resin

Copper with silver or gold plating **Movable Contactor:**

Stationary Contacts: Phosphor bronze with silver or gold plating

Terminals: Phosphor bronze with silver or gold plating

Environmental & Installation Data

-10°C through +70°C (+14°F through +158°F) Operating Temp Range:

Soldering Time & Manual Soldering:

Temperature: See Profile A in Supplement section.

Standards & Certifications

Models rated 0.5A @ 125V AC Single pole; Momentary action circuit with solder lug terminations. UL Recognized: .R.

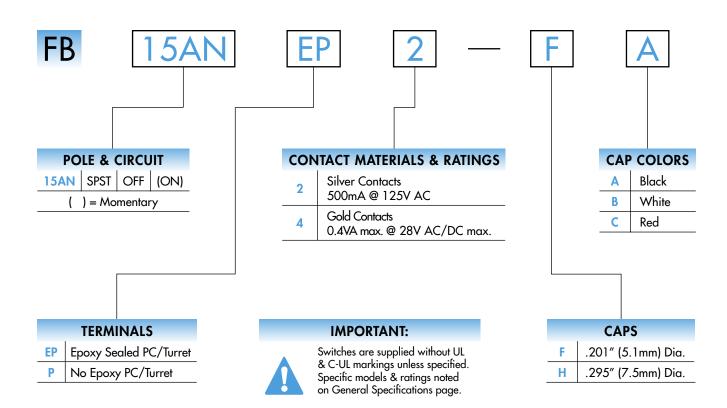
UL File No. WOYR2.E44145; add "/U" to end of part number to order UL mark on switch.

C-UL Recognized: Models rated 0.5A @ 125V AC Single pole; Momentary action circuit with solder lug terminations.

C-UL File No. WOYR8.E44145; add "/C-UL" to end of part number to order C-UL mark on switch.



TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

FB15ANEP2-FA



| POLE & CIRCUIT | | | | | | | |
|----------------|--------|----------------------------------|------|---------------------|------|---------------------------|---|
| | | Plunger Position () = Momentary | | Connected Terminals | | Throw & Switch Schematics | |
| Pole | Model | Normal I | Down | Normal I | Down | | inal numbers are actually on the switch. |
| SP | FB15AN | OFF | (ON) | OPEN | 1-2 | SPST | 1 7 2 |

TERMINALS

EP

Epoxy Sealed PC/Turret Terminals



No Epoxy **PC/Turret Terminals**

CONTACT MATERIALS & RATINGS

Silver Contacts

Power Level

500mA @ 125V AC

Gold Contacts

Logic Level

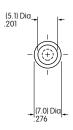
0.4VA maximum @ 28V AC/DC maximum

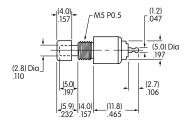
Complete explanation of operating range in Supplement section.

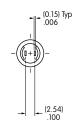
TYPICAL SWITCH DIMENSIONS

PC/Turret









FB15ANEP2-FA

Plunger is white polyacetal.

SLIP-ON CAPS & COLORS



AT475

.201" (5.1mm) Diameter

AT496

.295" (7.5mm) Diameter

Finish: Glossy

Material: Polyamide

Material: Polyamide

Finish: Glossy



Colors Available:



Black



White



STANDARD HARDWARE & PANEL CUTOUT

AT536 Hex Nut

Material:

Brass with nickel plating





Panel Thickness:

.110" (2.8mm) maximum

