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.

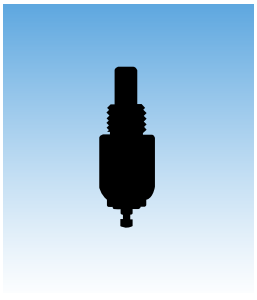
Low cost device of rugged one-piece bushing and housing construction.

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
Logic Level: 0.4VA max. @ 28V AC/DC max. for gold
(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
Travel: Pretravel .043" (1.1mm)
Overtravel .022" (0.57mm)
Total Travel .065" (1.67mm)

Materials & Finishes

Plunger: Polyacetal
Bushing: Brass with nickel plating
Case: Phenolic resin
Movable Contactor: Copper with silver or gold plating
Stationary Contacts: Phosphor bronze with silver or gold plating
Terminals: Phosphor bronze with silver or gold plating

Environmental & Installation Data

Operating Temp Range: –10°C through +70°C (+14°F through +158°F)
Soldering Time & Temperature: Manual Soldering:
See Profile A in Supplement section.

Standards & Certifications

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

FB | 15AN | EP | 2 | — | F | A

POLE & CIRCUIT

15AN	SPST	OFF	(ON)

( ) = Momentary

CONTACT MATERIALS & RATINGS

2	Silver Contacts 500mA @ 125V AC
4	Gold Contacts 0.4VA max. @ 28V AC/DC max.

CAP COLORS

A	Black
B	White
C	Red

TERMINALS

EP	Epoxy Sealed PC/Turret
P	No Epoxy PC/Turret

IMPORTANT:

Switches are supplied without UL & C-UL markings unless specified. Specific models & ratings noted on General Specifications page.

CAPS

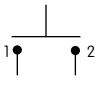
F	.201" (5.1mm) Dia.
H	.295" (7.5mm) Dia.

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

FB15ANEP2-FA



POLE & CIRCUIT

		Plunger Position ( ) = Momentary		Connected Terminals		Throw & Switch Schematics
Pole	Model	Normal	Down	Normal	Down	Note: Terminal numbers are not actually on the switch.
SP	FB15AN	OFF	(ON)	OPEN	1-2	SPST 

TERMINALS

EP Epoxy Sealed
PC/Turret Terminals

P No Epoxy
PC/Turret Terminals

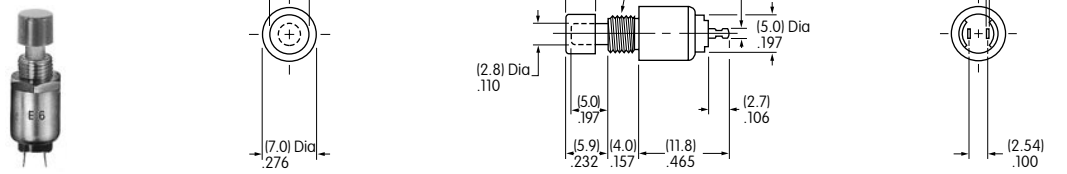
CONTACT MATERIALS & RATINGS

2	Silver Contacts	Power Level	500mA @ 125V AC
4	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

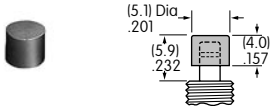
Plunger is white polyacetal.

SLIP-ON CAPS & COLORS

F **AT475**
.201" (5.1mm) Diameter

Material: Polyamide

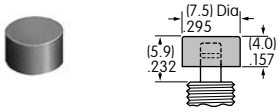
Finish: Glossy



H **AT496**
.295" (7.5mm) Diameter

Material: Polyamide

Finish: Glossy

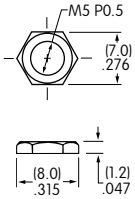


Colors Available: **A** Black **B** White **C** Red

STANDARD HARDWARE & PANEL CUTOUT

AT536 Hex Nut

Material:
Brass with nickel plating



Panel Thickness:

.110" (2.8mm) maximum

