E/F6 SERIES, E/F7 SERIES
PANEL MOUNT SWITCHES

E/F6 Series, E/F7 Series panel mount switches

E/F6 are single pole versions, E/F7 are double pole versions

- Push buttons in various models
- Snap-in panel mounting
- Long-life coil spring, snap-action mechanism
- Agency approved extended-life versions available
- VDE approval available on select models (F Series)
- Various terminal forms available (consult factory)



Technical specifications

Series	Panel mount switch
Electrical	
Ambient temperature	−40° to +85°C
Flammability rating	UL94V-O

Materials

Housing	Thermoplastic Polyester, Valox (single pole versions), Vandar (double pole versions)
Actuator	Thermoplastic Acetal (E Series), Valox
Terminals*	Brass
Moving blade	Beryllium Copper
Spring	Stainless steel
Contacts	
E65, E/F69, E/F77, E/F79	AgCdO
E/F68, E/F78	Au (Crosspoint)

* Common terminals are plated – the remaining terminals are not plated.

Approvals ❶

Approvals	Code
UL	E
VDE & UL	F

Configuration ❷

Configuration	Code
Singe pole version	6
Double pole version	7

Actuator ❹

Terminal type	Code
Basic momentary	00A
Push-pull momentary	20A
Momentary (cheat interlock)	30A
Short button momentary	40A
Momentary for auxiliary actuator	50A

Terminals

Series	Terminals
E68, E69, E77, E78, E79	Q.C. terminal 4.8 x 0.5 mm
E65, E75, F68, F69, F77, F78, F79	Q.C. terminal 4.8 x 0.8 mm

Generation of order code (example)
The order code consists of 5 parameters:

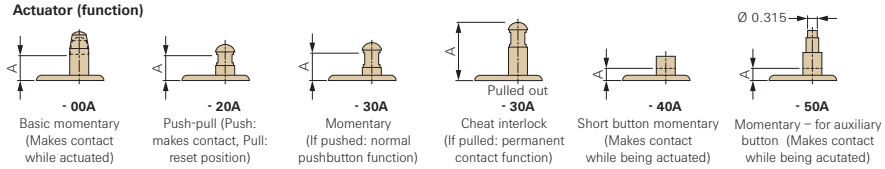
	❶	❷	❸	❹
Series	Approvals	Circuitry	Electrical rating	Actuator
Panel mount switch	F = UL & VDE	6 = Singe pole version	9 = 10(4) A, 250 VAC	00A = Basic momentary

- Not every configurable variant is available for order. Please contact us.
- The final two digits of article numbers on commercial documents refer to the index of the respective drawing.
- Customer-specific models are marked with a G or W as the sixth digit of the article number.

Electrical rating and operating life ❸

Electrical rating according to		Electrical life for 40T85 (operations)		Code
EN 61058-1	**UL 1054**	**acc. to EN**	**acc. to UL**	
-	16 A, 125/250 VAC; 1/3HP, 125/250 VAC	–	6,000	5
0.1(0.05) A, 125 VAC; 10(4) A, 250 VAC	0.1 A, 125 VAC; 10 A, 1/3HP, 125/250 VAC	50,000	6,000*	7
0.1(0.05) A, 125 VAC	0.1 A, 125 VAC	50,000	6,000*	8
10(4) A, 250 VAC	10 A, 125/250 VAC; 1/3HP, 125/250 VAC	50,000	6,000*	9
	* Other ratings available upon request			

Actuator (function)



- 00A Basic momentary (Makes contact while actuated)

- 20A Push-pull (Push: makes contact, Pull: reset position)

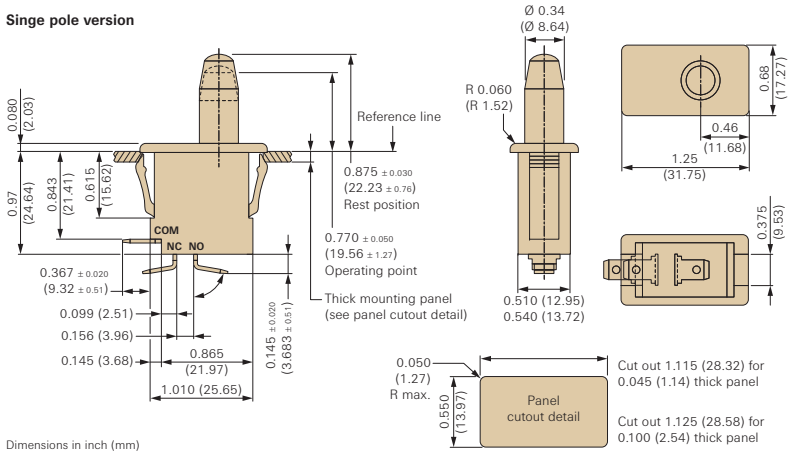
- 30A Momentary (If pushed: normal pushbutton function)

- 30A Cheat interlock (If pulled: permanent contact function)

- 40A Short button momentary (Makes contact while being actuated)

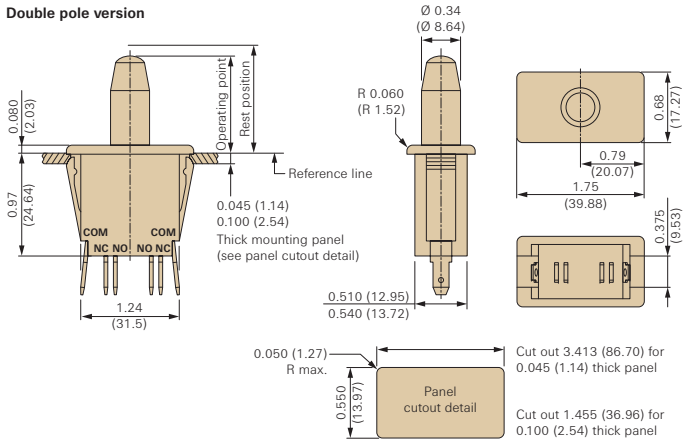
- 50A Momentary – for auxiliary button (Makes contact while being acutated)

Singe pole version



Dimensions in inch (mm)

Double pole version



For detailed information please note the technical specifications which you can find in the download section of our website **www.switches-sensors.zf.com**.