		F Series Pushbutton Switches
 Up to 10 poles per module Various contact terminals Di 	cal Applications Idio selection gital equipment interface edical equipment interface	C Se us
Specifications		
SWITCHING POWER: F module max. AC/DC: Silver: 50 V Gold: 1 VA/300 mW. SWITCHING VOLTAGE: F module max. AC/DC: Silver: 12	(650 grams); 6U (650 grams); 6U (5/30V, 9.0N (900 grams	,
Gold: 50/30 V. SWITCHING CURRENT: F module max. AC/DC: Silver: 0. Gold: 0.04A/0.01A.	5A/0.5A, 2U: 3.5N±0.5N (grams±100 gram	L SF OPERATING FORCE: 350 grams±100 grams); 4U: 5N±1N (500 ns); 6U: 6.5N±1N (650 grams±100 grams); 8U: rams±100 grams).
CARRYING CURRENT: Max at du = 20C: Silver: < 2A, Go DIELECTRIC STRENGTH (50 Hz, 1 min.): Chassis/contac Between contacts: ^1500V.	OPERATING TEMPE	RATURE RANGE: -40°C to 70°C.
OPERATING LIFE "OA/EE" (24V/200mA): >10 ⁵ operation: "GR": >3.5 x 104 operations.	5	onate UL 94V-0 or polyester UL 94V-0.
CONTACT RESISTANCE: Initial: Typical %10 m Ω , max. 2 After operating life: %100 m Ω	ACTUATOR: Polyesto 0 mΩ MOVABLE CONTAC ⁻ over nickel.	rS: Bimetal brass, silver plated, gold plate
INSULATION RESISTANCE: $^{10^9}\Omega$ between open conta $^{10^9}\Omega$ between chassis and contacts.	cts, STATIONARY CONTA gold plated.	ACTS & TERMINALS: Brass, silver plated,
CAPACITANCE (at f = 10 kHz): %0.7 pF between 2 conta	ters. TERMINAL BOARD:	Polyester UL 94V-0.
TOTAL TRAVEL/LATCHING TRAVEL: 4.7mm/3.3mm (.185 .130 inch).	inch/ RETURN SPRING: M TERMINAL SEAL: RT	
All models and options are RoHS compliant and compati	ble. CHASSIS: Steel.	

NOTE: All models and options are RoHS compliant and compatible.

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

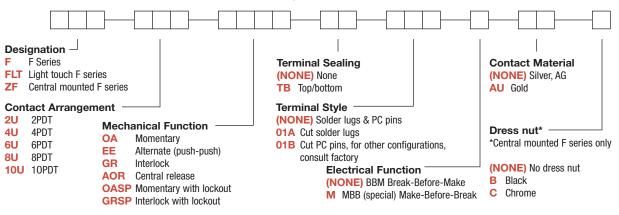
LOCKOUT PIN: Steel.

BLOCKERS: Steel.

Build-A-Switch

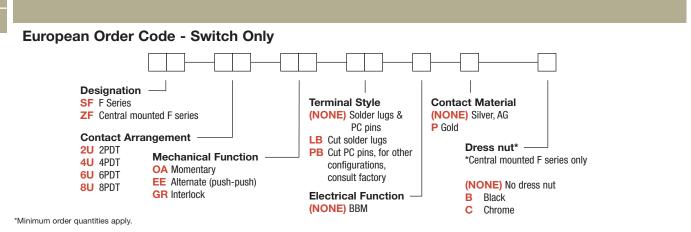
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-88 thru A-95. For additional options not shown in catalog, consult Customer Service Center. If requesting only a switch, select either a North American or European switch as noted below. Chassis and buttons are sold separately. If multiple stations are selected, we will assume all switches are the same unless noted otherwise.

North American Order Code - Switch Only

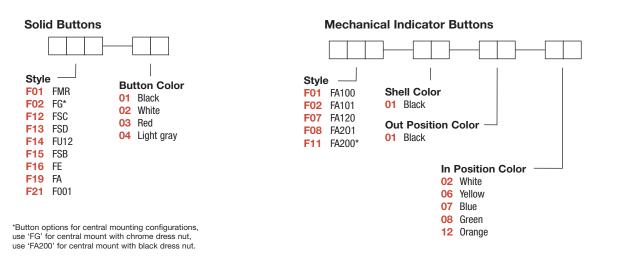




Pushbutton



Order Code - Buttons



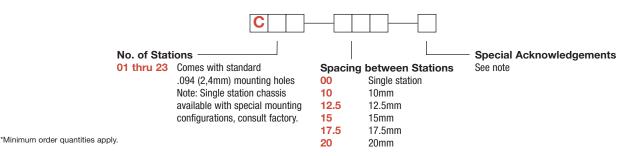
BUTTON REMOVAL

A button of a push-push switch should only be removed in the "OFF" non-latching position.

Order Code - Chassis

To order a switch with chassis, create the switch part number listed above and add the Chassis part number configurator information at the end of the part number.

Note: We do not guarantee or recommend interlocking beyond 10 stations.





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

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SWITCHES WITH STANDARD OPTIONS

F2UEE

CONTACT ARRANGEMENT

2U

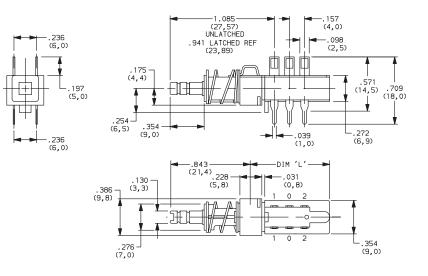
4U

6U

8U

10U

| |



A Pushbutton

1

ZF2UEEBF11010108

LENGTH DIM 'L'

0.827 (21,00)

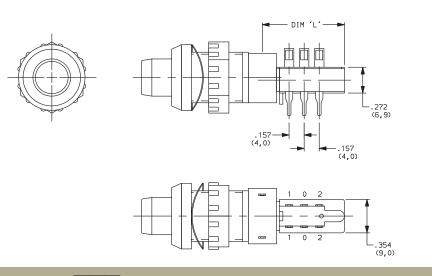
1.300 (33,00)

1.770 (45,00)

2.240 (57,00)

2.720 (69,00)

CONTACT ARRANGEMENT	LENGTH DIM 'L'
2U	0.827 (21,00)
4U	1.300 (33,00)
6U	1.770 (45,00)
8U	2.240 (57,00)
10U	2.720 (69,00)



DESIGNATION ------

Designation, North America

- F F Series
- FLT Light touch F series
- **ZF** Central mounted F series

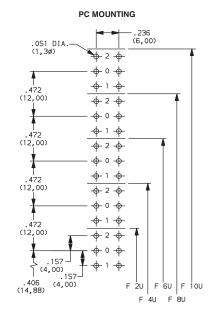
- Designation, Europe
- SF F Series
- **ZF** Central mounted F series





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

OPTION CODE	NO. OF POLES	SCHEMATIC
2U	2PDT	
4U	4PDT	2X 1 0 0 0 2X 1 0 2 1 0 2
6U	6PDT	3X 1 0 0 0 3X 1 0 2 1 0 2
8U	8PDT	4X 1 0 0 0 4X 1 0 2 1 0 2
10U	10PDT	5X 1 0 0 0 5X 1 0 2 1 0 2



MECHANICAL FUNCTION

North America

OPTION CODE	FUNCTION	
OA	Momentary	
EE	Alternate (push-push)	
GR	Interlock	
AOR	Central release	
OASP	Momentary with lockout	
GRSP	Interlock with lockout	

Europe

OPTION CODE	FUNCTION
OA	Momentary
EE	Alternate (push-push)
GR	Interlock

Image: Terminal Sealing (NONE) No Seal TB TB TDP & BOTTOM TOP & BOTTOM F2UEE shown in example above. NOTE: Available for North America only



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

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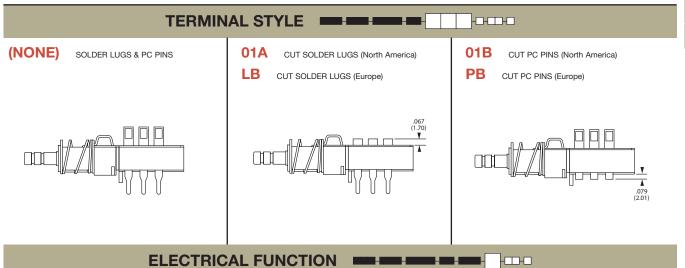
Pushbutton >



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A Pushbutton

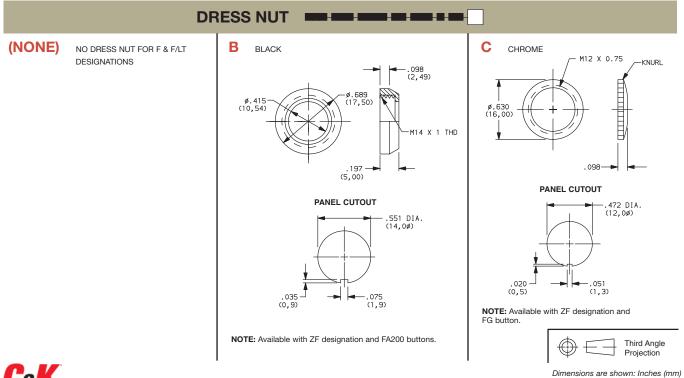


OPTION CODE	FUNCTION	
(NONE)	BBM Non-shorting	
м	MBB Shorting (North America only)	

CONTACT MATERIAL

NORTH AMERICA OPTION CODE	EUROPE OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	MATERIAL	RATING
(NONE)	(NONE)	YES	YES	SILVER, AG	50 VA/15 W; 125/30 V; 0.5/0.5 A
AU	Р	YES	YES	GOLD	1 VA/300mW; 50/30 V; 0.04 A/0.01 A

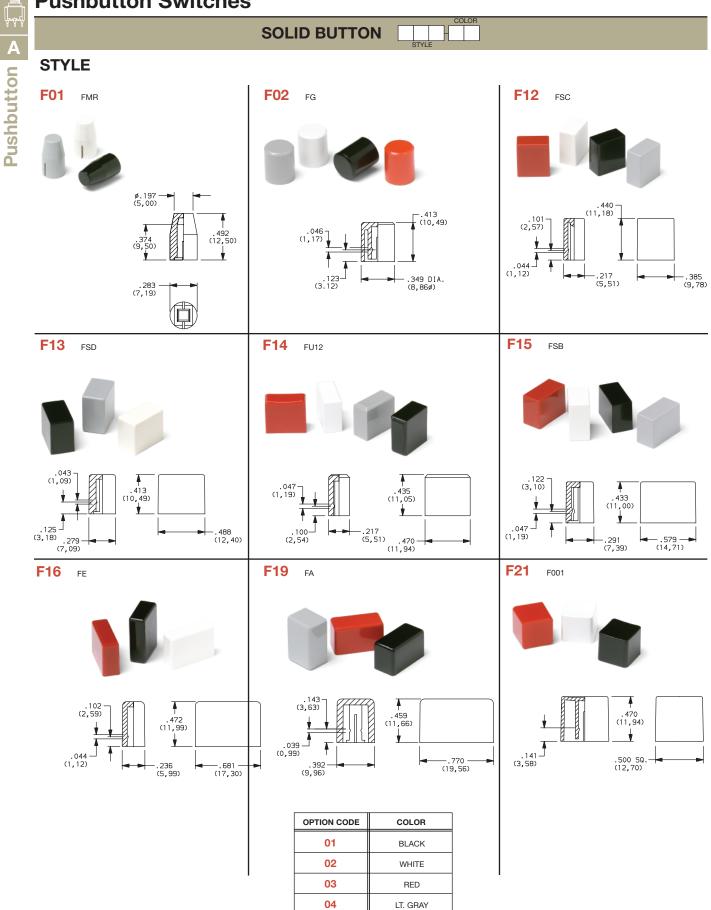
* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.



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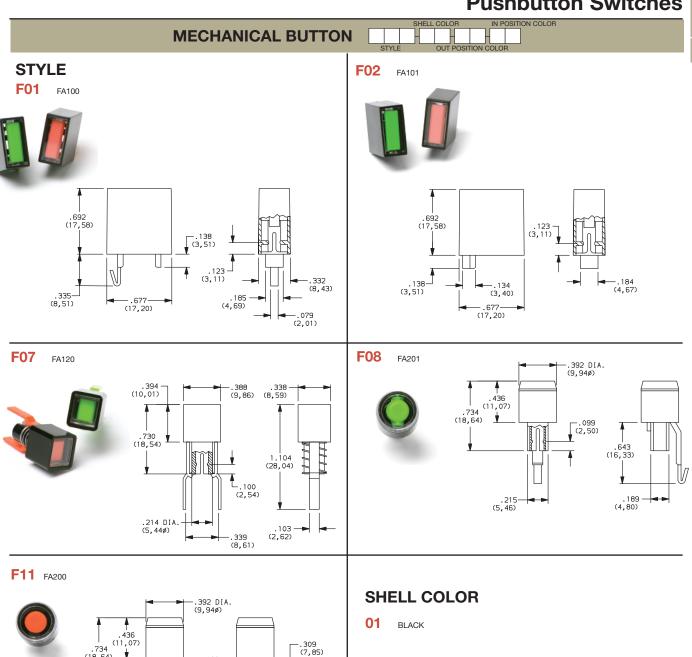




Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

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1



OUT POSITION COLOR

01 BLACK

IN POSITION COLOR

OPTION CODE	COLOR
02	WHITE
06	YELLOW
07	BLUE
08	GREEN
12	ORANGE
	•



.734 (18,64) 1

ţ

.215 (5,46)

-.099 (2,50)

.189 (4,80)

-.344 (8,74)

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

CHASSIS

NUMBER OF STATIONS

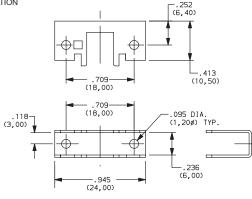
C00 Thru C10 Comes with standard 0.094 (2,44mm) mounting holes

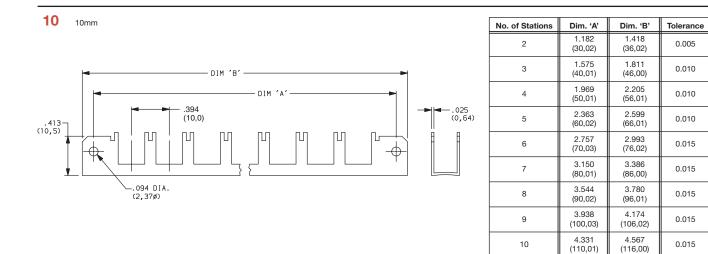
NOTE: Single station chassis available with mounting configurations, consult factory.

SPACING

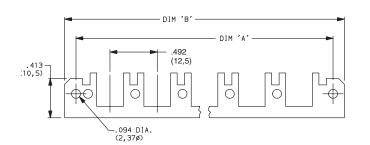
Pushbutton >

00 SINGLE STATION





12.5 12.5mm



	No. of Stations	Dim. 'A'	Dim. 'B'	Tolerance
	2	1.200 (30,48)	1.436 (36,47)	0.005
	3	1.692 (42,98)	1.928 (48,97)	0.010
	4	2.184 (55,47)	2.420 (61,47)	0.010
.025 (0,64)	5	2.676 (67,97)	2.912 (73,96)	0.010
Ē	6	3.169 (80,49)	3.405 (86,49)	0.015
	7	3.661 (92,99)	3.897 (98,98)	0.015
	8	4.153 (105,49)	4.389 (111,48)	0.015
	9	4.645 (117,98)	4.881 (123,98)	0.015
	10	5.137 (130,48)	5.373 (136,47)	0.015
				Third Angle

C&K

I

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

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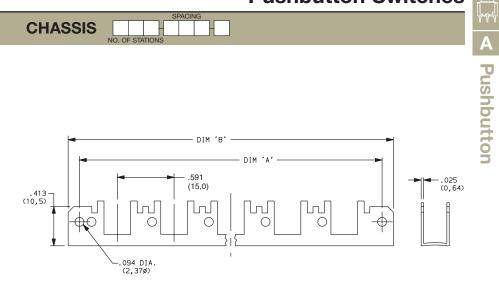
Projection

CHASSIS

SPACING

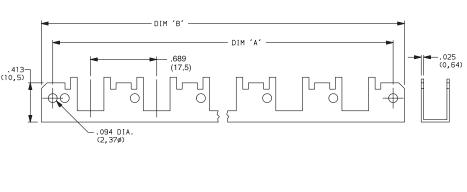
15 15mm

No. of Stations	Dim. 'A'	Dim. 'B'	Tolerance
2	1.374 (34,90)	1.615 (41,02)	0.005
3	1.969 (50,01)	2.205 (56,01)	0.010
4	2.560 (65,02)	2.796 (71,02)	0.010
5	3.150 (80,01)	3.386 (86,00)	0.010
6	3.741 (95,02)	3.977 (101,02)	0.015
7	4.332 (110,03)	4.568 (116,03)	0.015
8	4.922 (125,02)	5.158 (131,01)	0.015
9	5.513 (140,03)	5.749 (146,02)	0.015
10	6.103 (155,02)	6.339 (161,01)	0.015



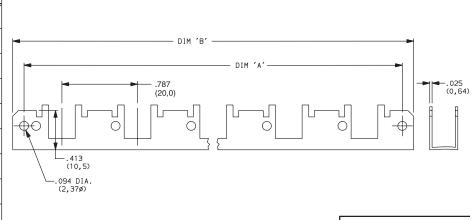
17.5 17.5mm

No. of Stations	Dim. 'A'	Dim. 'B'	Tolerance]
2	1.477 (37,52)	1.713 (43,51)	0.005	
3	2.166 (55,02)	2.402 (61,01)	0.010	
4	2.855 (75,52)	3.091 (78.51)	0.010	
5	3.544 (90,02)	3.780 (96,01)	0.010	(1
6	4.233 (107,52)	4.469 (113,51)	0.015	
7	4.922 (125,02)	5.158 (131,01)	0.015	
8	5.611 (142,52)	5.847 (148.51)	0.015	
9	6.300 (160,02)	6.536 (166,01)	0.015	
10	6.989 (177,52)	7.225 (183,52)	0.015	



20 20mm

No. of Stations	Dim. 'A'	Dim. 'B'	Tolerance
2	1.575 (40,01)	1.811 (46,00)	0.005
3	2.363 (60,02)	2.599 (66,01)	0.010
4	3.150 (80,01)	3.386 (86,00)	0.010
5	3.938 (100,03)	4.174 (106,02)	0.010
6	4.725 (120,02)	4.961 (126,01)	0.015
7	5.512 (140,00)	5.748 (146,00)	0.015
8	6.300 (160,02)	6.536 (166,01)	0.015
9	7.087 (180,01)	7.323 (186,00)	0.015
10	7.875 (200,03)	8.111 (206,02)	0.015





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

 \bigcirc f Third Angle

Projection

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