Features/Benefits

- Up to 10 poles per module
- Various contact terminals
- Various mounting & switch ganging configurations
- Mechanical indicator buttons
- RoHS compliant

Specifications

- SWITCHING POWER: F module max. AC/DC: Silver: 50 VA/15W, Gold: 1 VA/300 mW.
- SWITCHING VOLTAGE: F module max. AC/DC: Silver: 125/30V, Gold: 50/30 V.
- SWITCHING CURRENT: F module max. AC/DC: Silver: 0.5A/0.5A, Gold: 0.04A/0.01A.
- CARRYING CURRENT: Max at $\Delta u = 20^{\circ}$ C: Silver: < 2A, Gold: <0.5A.
- DIELECTRIC STRENGTH (50 Hz, 1 min.): Chassis/contact: ≥1500V Between contacts: ≥1500V.
- OPERATING LIFE "OA/EE" (24V/200mA): >10^5 operations "GR": >3.5 x 10^4 operations.
- CONTACT RESISTANCE: Initial: Typical ${\leq}10~m\Omega,~max.~20~m\Omega$ After operating life: ${\leq}100~m\Omega$
- INSULATION RESISTANCE: ${\geq}10^9~\Omega$ between open contacts, ${\geq}10^9~\Omega$ between chassis and contacts.
- CAPACITANCE (at f = 10 kHz): \leq 0.7 pF between 2 contacts.
- TOTAL TRAVEL/LATCHING TRAVEL: 4.7mm/3.3mm (.185 inch/.130 inch).

All models and options are RoHS compliant and compatible.

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.

TYPICAL F OPERATING FORCE: 2U: 6.5N (650 grams); 4U: 6.5N (650 grams); 6U: 7.5N (750 grams); 8U: 9.0N (900 grams); 10U: 9.0N (900 grams).

EUROPEAN TYPICAL SF OPERATING FORCE:

2U: 3.5N±0.5N (350 grams±100 grams); 4U: 5N±1N (500 grams±100 grams); 6U: 6.5N±1N (650 grams±100 grams); 8U: 9.0N±1N (900 grams±100 grams).

OPERATING TEMPERATURE RANGE: -40°C to 70°C.

Materials

Typical Applications

Digital equipment interface

Medical equipment interface

Audio selection

HOUSING: Polycarbonate UL 94V-0 or polyester UL 94V-0.

ACTUATOR: Polyester UL 94V-0.

MOVABLE CONTACTS: Bimetal brass, silver plated, gold plate over nickel.

STATIONARY CONTACTS & TERMINALS: Brass, silver plated, gold plated.

TERMINAL BOARD: Polyester UL 94V-0.

RETURN SPRING: Music wire.

TERMINAL SEAL: RTV adhesive sealant.

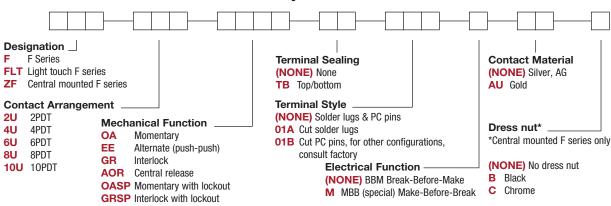
- CHASSIS: Steel.
- LOCKOUT PIN: Steel.

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



C&K

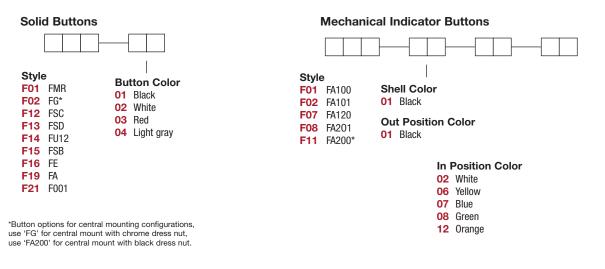
Downloaded from Arrow.com.



European Order Code - Switch Only Designation SF F Series **Terminal Style Contact Material ZF** Central mounted F series (NONE) Solder lugs & (NONE) Silver, AG P Gold PC pins **Contact Arrangement** LB Cut solder lugs **Dress nut*** 2U 2PDT PB Cut PC pins, for other **Mechanical Function** *Central mounted F series only **4U** 4PDT configurations, **OA** Momentary 6U 6PDT consult factory EE Alternate (push-push) (NONE) No dress nut 8U 8PDT **GR** Interlock **Electrical Function** В Black (NONE) BBM С Chrome

*Minimum order quantities apply.

Order Code - Buttons



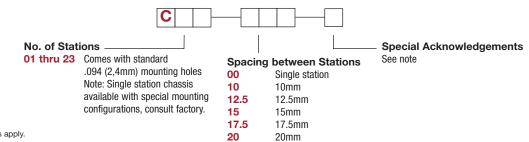
BUTTON REMOVAL

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.



*Minimum order quantities apply.

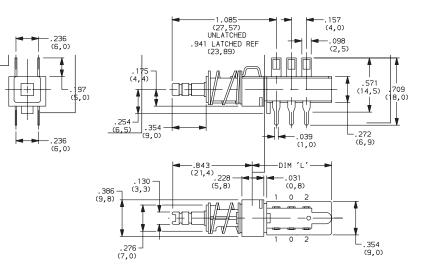


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SWITCHES WITH STANDARD OPTIONS

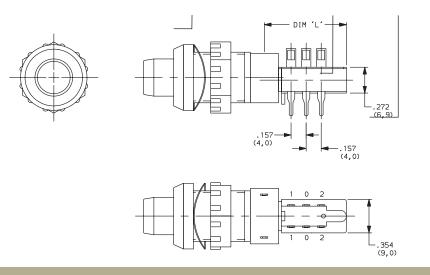
F2UEE

	CONTACT ARRANGEMENT	LENGTH DIM 'L'
	2U	0.827 (21,00)
T	4U	1.300 (33,00)
Τ	6U	1.770 (45,00)
T	8U	2.240 (57,00)
Ι	10U	2.720 (69,00)



ZF2UEEBF11010108

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



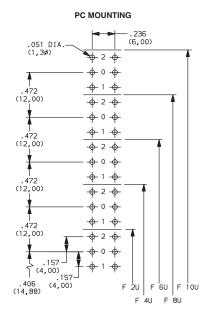
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CHIEF A Pushbutton

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
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



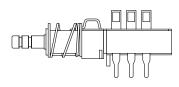
North America

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

Europe

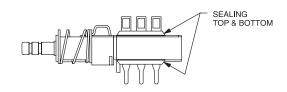
OPTION CODE	FUNCTION
OA	Momentary
EE	Alternate (push-push)
GR	Interlock

(NONE) NO SEAL



F2UEE shown in example above.

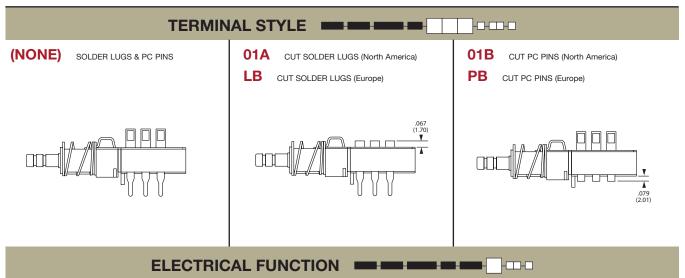
ТВ ТОР & ВОТТОМ



NOTE: Available for North America only





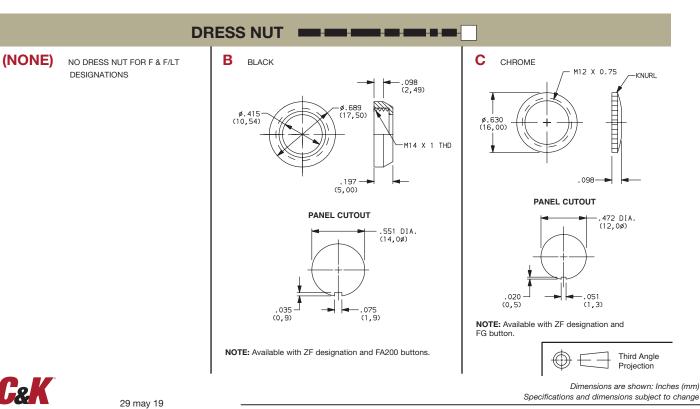


OPTION CODE	FUNCTION
(NONE)	BBM Non-shorting
м	MBB Shorting (North America only)

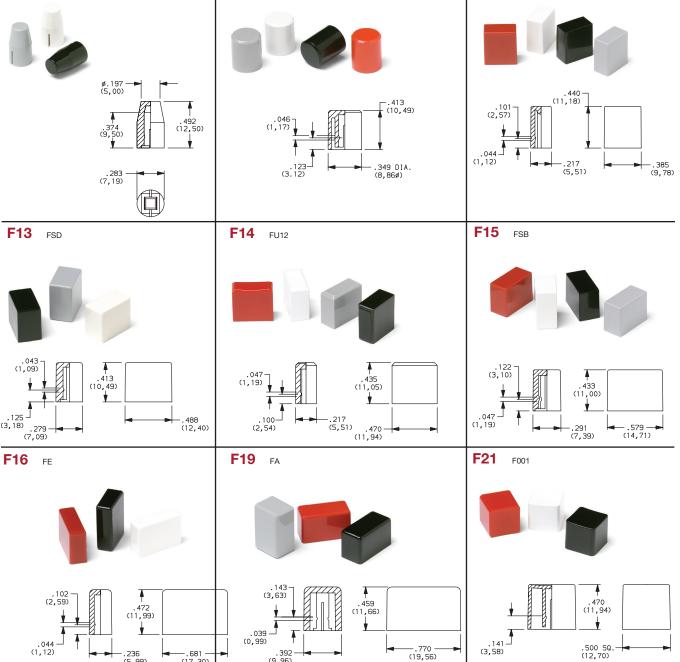
CONTACT MATERIAL

NORTH AMERICA OPTION CODE	EUROPE OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	MATERIAL	RATING
(NONE)	(NONE) (NONE)		YES	SILVER, AG	50 VA/15 W; 125/30 V; 0.5/0.5 A
AU	AU P		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.



F Series **Pushbutton Switches** Pushbutton > COLOF **SOLID BUTTON STYLE F02** FG F01 F12 FSC FMR



.236 (5,99)

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-.681 -(17,30)

.392 (9,96)

OPTION CODE

01

02

03

04

F13

.043 (1,09)

279 (7,09)

.125 (3,18)

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

COLOR

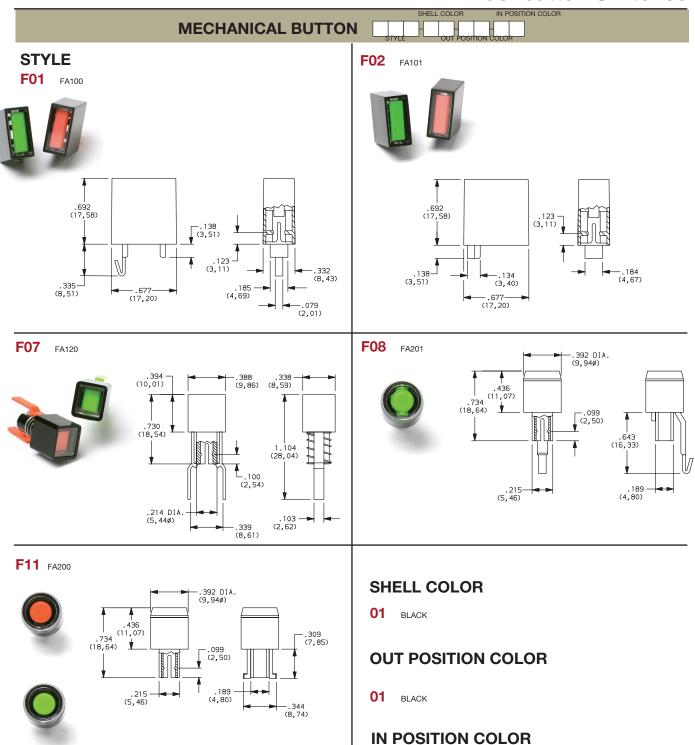
BLACK

WHITE

RED

LT. GRAY

www.ckswitches.com



OPTION CODECOLOR02WHITE06YELLOW07BLUE08GREEN12ORANGE

C&K

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CHASSIS

NUMBER OF STATIONS

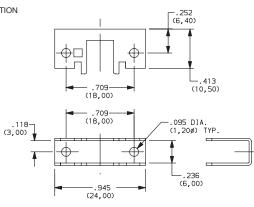
Pushbutton >

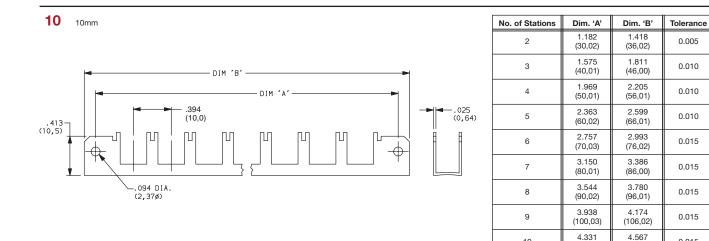
C00 Thru C10 Comes with standard 0.094 (2,44mm) mounting holes

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

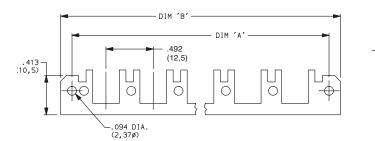
SPACING

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
5	2.676 (67,97)	2.912 (73,96)	0.010
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

(110,01)

(116,00)

10

.025 (0,64)

Third Angle Projection

0.005

0.010

0.010

0.010

0.015

0.015

0.015

0.015

0.015

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

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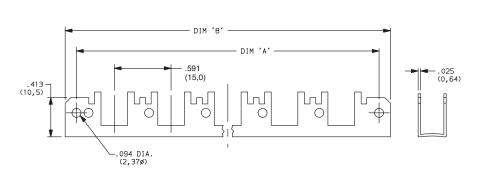
-2

CHASSIS

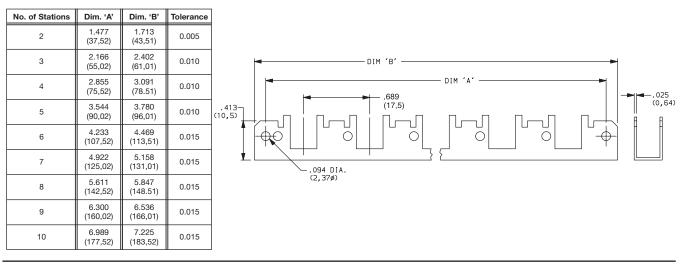
SPACING

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	1.575 (40,01)	1.811 (46,00)	0.005	
3	2.363 (60,02)	2.599 (66,01)	0.010	DIM 'B'►
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	└─094 DIA. (2,37ø)
10	7.875 (200,03)	8.111 (206,02)	0.015	
		11	11	Third Angle Projection
C.K	•			Dimensions are shown: Inches (mi



Specifications and dimensions subject to change