

# TYPE FT-1 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

REF.  
10 POS SW.  
UPPER SECTION  
FRONT VIEW  
(CVR REMOVED)

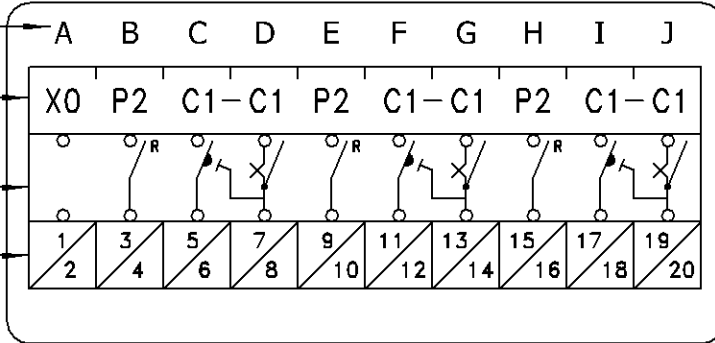


POLE POSITIONS

SWITCH ARRANGEMENT

INTERNAL SCHEMATIC

TERMINAL NO.s  
(REAR OF SW)



ARRANGEMENT: X T C-C T C-C T C-C

**STYLE No:** 9663A34G01

**CODE No:** 277

**CLASS 1E:** NO

No. POLES: 9

No. POTENTIALS: 3

No. CURRENTS: 6

TIE BARS: NONE

DRILL PLAN: 129A500

INT SCHEMATIC: 991A277

Table 1 - Description of Poles for FT Flexitest Switches

Pole Type	Pole Designation	Handle Color	Description & Schematic Symbol
Potential	P1	P	Black <sup>†</sup> Potential, non-shorting blade.
Current	C1	C	Black <sup>†</sup> Current, non-shorting, with test jack and blade.
Current †† Shorting	C1-C1	C-C	Black <sup>†</sup> Current shorting (make-before-break), with test jack and blade.
	C1-A1	C-A	Black <sup>†</sup> Current shorting (make-before-break), with blade only.
	C1-B0	C-B	Black <sup>†</sup> Current shorting (make-before-break), with stud only.
	C1-D0	C-D	Black <sup>†</sup> Current shorting (make-before-break), with test jack only.
	C1-E1	C-E	Black <sup>†</sup> Current shorting (make-before-break), with shorting blade only.
	C1-S0	C-S	Black <sup>†</sup> Current shorting (make-before-break), with fixed shorting strap.
Other	D0	D	None Current test jack, no blade.
	S0	S	None Fixed shorting strap.
	X0	X	None Empty pole position.

Table 2 - Handle Colors

Pole Type	Pole Designation	Handle Color	
Potential	P1	P	Black
	P2	T	Red
	P3	H	Brown
	P4	V	Purple
	P5	G	Green
	P6	Y	Yellow
	P7	Z	Blue
	P8	W	White
	P9	O	Orange
Current	C1	C	Black
	C2	R	Red
	C3	3	Brown
	C4	4	Purple
	C5	5	Green
	C6	6	Yellow
	C7	7	Blue
	C8	8	White
	C9	9	Orange

**TEST PLUGS:**

**INDIVIDUAL CURRENT CIRCUIT TEST PLUG.**  
STYLE No: 7B4618G04

**SEPARATE SOURCE TEST PLUG (10 POS).**  
STYLE No: 1164046

**IN-SERVICE SERIES TEST PLUG.**  
STYLE No: NONE

† = See Table 2 for complete list of color handles.  
†† = Current shorting poles can span up to 5 positions, and can have any combination of color handles (ex: C1-C7-C5-C2-A4).

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SOFTWARE TYPE:  
AUTOCAD 2006

ENG. REF: MFG DWG: 101R700  
GEN DWG: 1616C24

DFTR/DATE: M.Uriguen 4/3/2008  
CHKR/DATE: M.Uriguen 4/3/2008  
APPR/DATE: Tim Masters 4/3/2008



TITLE:  
FT-1 SWITCH  
POLE ARRANGEMENT & INT SCH

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SIZE: A  
DWG. NO: 991A277  
REV: 1

ABB Protective Relays and Switches, Coral Springs FL, U.S.A.

SCALE: NONE SHEET 1 OF 1