

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

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

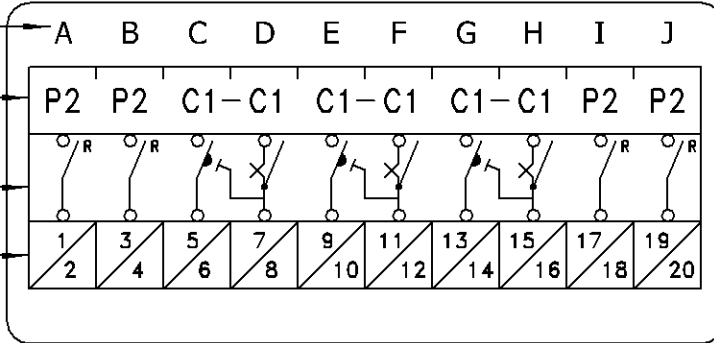


POLE POSITIONS

SWITCH ARRANGEMENT

INTERNAL SCHEMATIC

TERMINAL NO.s  
(REAR OF SW)



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

**STYLE No:** 9667A22G01

**CODE No:** 294

**CLASS 1E:** NO

No. POLES: 10

No. POTENTIALS: 4

No. CURRENTS: 6

TIE BARS: NONE

DRILL PLAN: 129A500

INT SCHEMATIC: 991A294

Table 1 - Description of Poles for FT Flexitest Switches

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

† = 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).

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

ECO EM2007-1099 1

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SOFTWARE TYPE:  
AUTOCAD 2006

ENG. REF: MFG DWG: 101R714  
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: 991A294  
REV: 1

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

SCALE: NONE SHEET 1 OF 1

