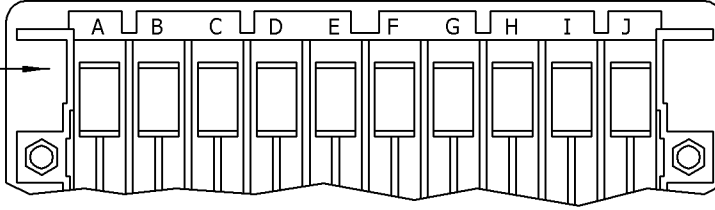


TYPE FT-1 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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

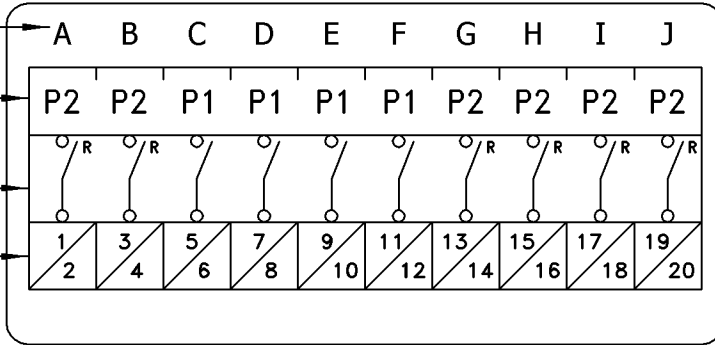


POLE
POSITIONS

SWITCH
ARRANGEMENT

INTERNAL
SCHEMATIC

TERMINAL NO.s
(REAR OF SW)



ARRANGEMENT: T T P P P P T T T T

STYLE No: 991A220G01

CODE No: 220

CLASS 1E: NO

No. POLES: 10

No. POTENTIALS: 10

No. CURRENTS: 0

TIE BARS: NONE

DRILL PLAN: 129A500

INT SCHEMATIC: 991A220

Table 1 - Description of Poles for FT Flexitest Switches

| Pole Type | Pole Designation | | Handle Color | Description & Schematic Symbol |
|------------------------|------------------|-----|--------------------|--|
| Potential | P1 | P | Black [†] | Potential, non-shorting blade. |
| Current | C1 | C | Black [†] | Current, non-shorting, with test jack and blade. |
| Current †† Shorting | C1-C1 | C-C | Black [†] | Current shorting (make-before-break), with test jack and blade. |
| | C1-A1 | C-A | | Current shorting (make-before-break), with blade only. |
| | C1-B0 | C-B | | Current shorting (make-before-break), with stud only. |
| | C1-D0 | C-D | | Current shorting (make-before-break), with test jack only. |
| | C1-E1 | C-E | | Current shorting (make-before-break), with shorting blade only. |
| | C1-S0 | C-S | | 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. |

† = 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: 129A062G10

ECO EM2007-1051 1

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SOFTWARE TYPE:
 AUTOCAD 2006

ENG. REF: MFG DWG: FT1-220
 GEN DWG: 1616C24

DIFF/DATE: R.Novoseletsky 1/9/2008
 CHK/DATE: M.Uriguen 1/9/2008
 APPR/DATE: Tim Masters 1/9/2008



TITLE:
**FT-1 SWITCH
 POLE ARRANGEMENT & INT SCH**

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SIZE: **A** DWG. NO: **991A220** REV: **1**

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

SCALE: NONE SHEET 1 OF 1