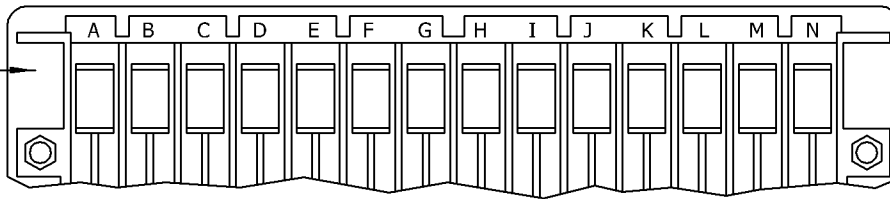


# TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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



**STYLE No:**  
**FT4A14T06CN4140**

**CODE No:** 4140

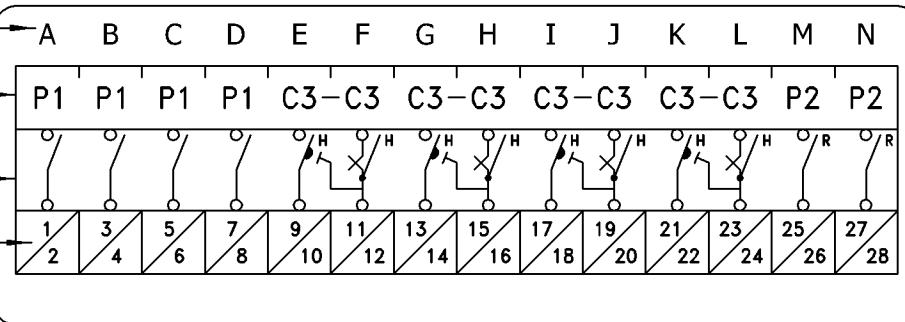
**CLASS 1E:** NO

POLE  
POSITIONS

SWITCH  
ARRANGEMENT

INTERNAL  
SCHEMATIC

TERMINAL NO.s  
(REAR OF SW)



No. POLES: 14

No. POTEN's: 6

No. CURR's: 8

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4140

**ARRANGEMENT: P P P P 3-3 3-3 3-3 3-3 T T**

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 Shorting | C1-C1            | C-C          | Black <sup>†</sup><br>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<br>Current test jack, no blade.  |  |
|                  | S0               | S            | None<br>Fixed shorting strap.   |  |
|                  | X0               | X            | None<br>Empty pole position.  |  |

<sup>†</sup> = See Table 2 for complete list of color handles.

<sup>††</sup> = 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            |
|           | P2               | T            |
|           | P3               | H            |
|           | P4               | V            |
|           | P5               | G            |
|           | P6               | Y            |
|           | P7               | Z            |
|           | P8               | W            |
|           | P9               | O            |
| Current   | C1               | C            |
|           | C2               | R            |
|           | C3               | 3            |
|           | C4               | 4            |
|           | C5               | 5            |
|           | C6               | 6            |
|           | C7               | 7            |
|           | C8               | 8            |
|           | C9               | 9            |

**TEST PLUGS:**

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

**SEPARATE SOURCE TEST PLUG (14 POS).**  
STYLE No: 1355D32G04

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

|  |  |   |                                     |  |        |
|--|--|---|-------------------------------------|--|--------|
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|  |  |   | CHKR/DATE: M.Uriguen 8/28/2008      |  |        |
|  |  |   | APPR/DATE: Tim Masters 8/28/2008    | TITLE:<br><b>FT-14 SWITCH<br/>POLE ARRANGEMENT &amp; INT SCH</b> |        |
|  | SOFTWARE TYPE:<br>AUTOCAD 2006   |   |                                     |  |        |
| ENG. REF: MFG DWG: FT14-4140<br>GEN DWG: 1619C94             |  | © Copyright 2008 ABB<br>All rights reserved | SIZE: A                             | DWG. NO: 94A4140   | REV: 1 |
| ABB Protective Relays and Switches, Coral Springs FL, U.S.A. |  |   | SCALE: NONE                         | SHEET 1 OF 1   |        |