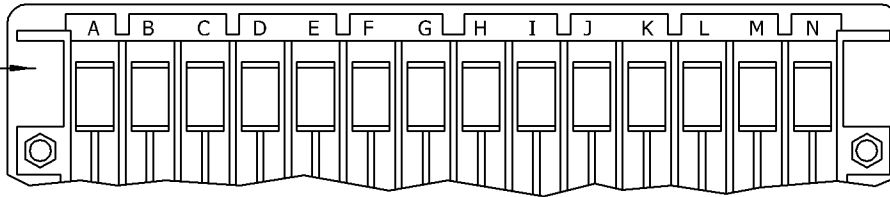


# TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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



**STYLE No:**  
**FT4A12T00CN4141**

**CODE No:** 4141

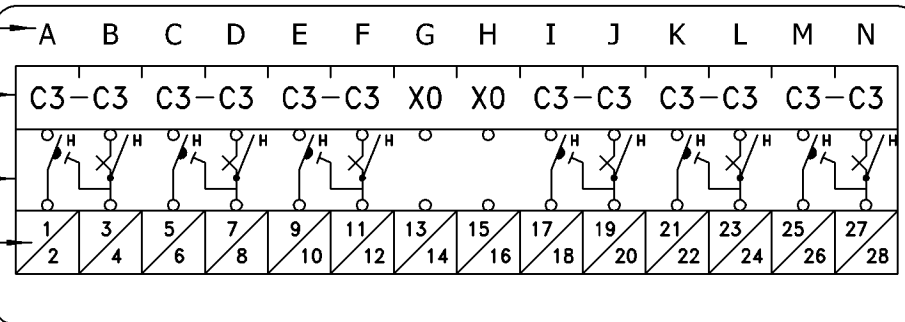
**CLASS 1E:** NO

POLE  
POSITIONS

SWITCH  
ARRANGEMENT

INTERNAL  
SCHEMATIC

TERMINAL NO.s  
(REAR OF SW)



No. POLES: 12

No. POTEN's: 0

No. CURR's: 12

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4141

**ARRANGEMENT:** 3-3 3-3 3-3 X X 3-3 3-3 3-3

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.  |  |

† = 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            |
|           | 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**

|  |   |   |                                     |  |        |
|--|---|---|-------------------------------------|--|--------|
| ECO EM2008-1176  | The information contained in this document has to be kept strictly confidential. Any unauthorized use, reproduction, distribution or disclosure to third parties is strictly forbidden. ABB reserves all rights regarding Intellectual Property Rights. |   | DFTR/DATE: R.Novoseletsky 8/28/2008 | <b>ABB</b>   |        |
|  |   |   | CHKR/DATE: M.Uriguen 8/28/2008      |  |        |
|  |   |   | APPR/DATE: Tim Masters 8/28/2008    | <b>FT-14 SWITCH</b><br><b>POLE ARRANGEMENT &amp; INT SCH</b> |        |
|  | SOFTWARE TYPE: AUTOCAD 2006   |   |                                     |  |        |
| ENG. REF: MFG DWG: FT14-4141<br>GEN DWG: 1619C94             |   | © Copyright 2008 ABB<br>All rights reserved | SIZE: A                             | DWG. NO: 94A4141   | REV: 1 |
| ABB Protective Relays and Switches, Coral Springs Fl, U.S.A. |   |   | SCALE: NONE                         | SHEET 1 OF 1   |        |