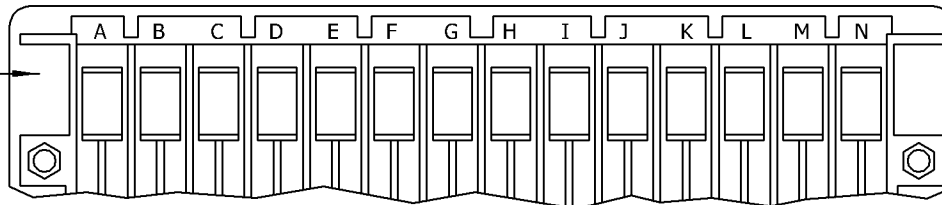


TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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

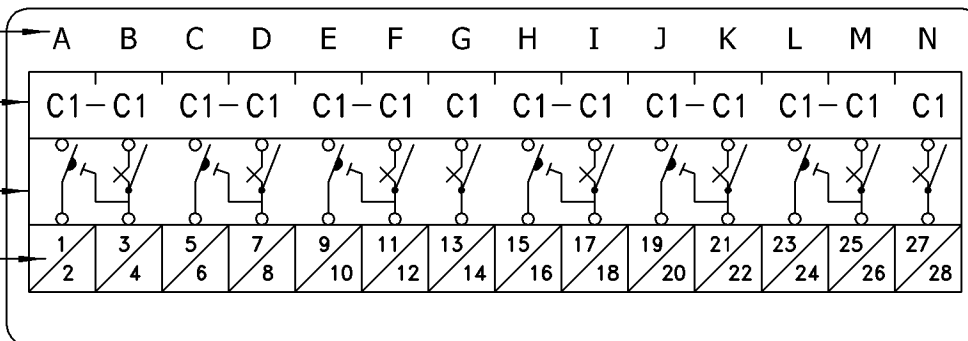


STYLE No:
FT4A14T00CN4170

CODE No: 4170

CLASS 1E: NO

POLE
POSITIONS
SWITCH
ARRANGEMENT
INTERNAL
SCHEMATIC
TERMINAL NO.s
(REAR OF SW)



No. POLES: 14

No. POTEN's: 0

No. CURR's: 14

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4170

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

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. |

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 (14 POS).
STYLE No: 1355D32G04

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).

| | | | |
|--|--|-----------------------------------|---|
| 1 ECO EM2008-1224 | 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. | DFT/DATE: R.Novoseletsky 3/5/2009 | ABB |
| | SOFTWARE TYPE: AUTOCAD 2006 | CHKR/DATE: M.Uriguen 3/5/2009 | |
| | ENG. REF: MFG DWG: FT14-4170 GEN DWG: 1619C94 | APPR/DATE: Tim Masters 3/5/2009 | |
| | TITLE: FT-14 SWITCH POLE ARRANGEMENT & INT SCH | | © Copyright 2008 ABB All rights reserved |
| ABB Protective Relays and Switches, Coral Springs Fl, U.S.A. | | SIZE: A | DWG. NO: 94A4170 |
| | | SCALE: NONE | REV: 1 SHEET 1 OF 1 |