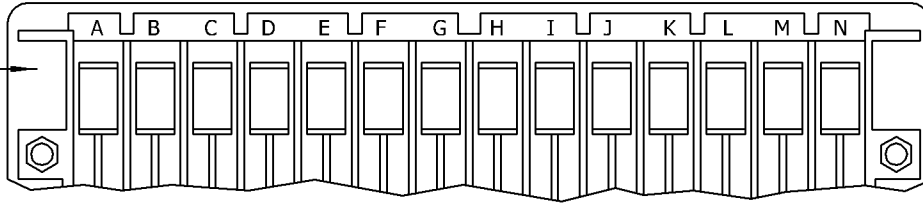


# TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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



**STYLE No:**  
**FT4A14T14CN4147**

**CODE No:** 4147

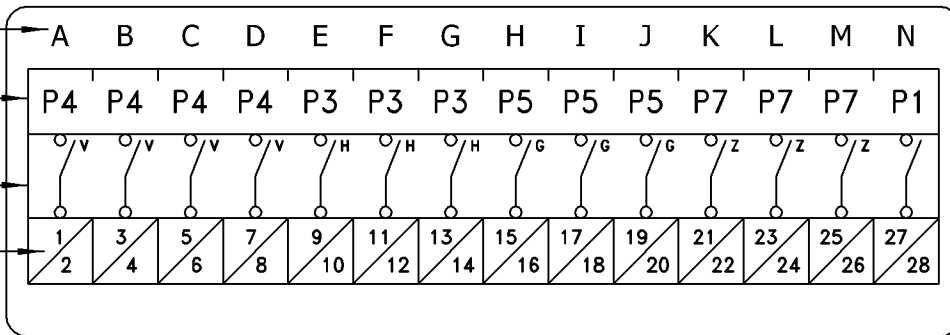
**CLASS 1E:** NO

POLE  
POSITIONS

SWITCH  
ARRANGEMENT

INTERNAL  
SCHEMATIC

TERMINAL NO.s  
(REAR OF SW)



No. POLES: 14

No. POTEN's: 14

No. CURR's: 0

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4147

**ARRANGEMENT: V V V V H H H G G G Z Z Z P**

Table 1 - Description of Poles for FT Flexitest Switches

Pole Type	Pole Designation		Handle Color	Description & Schematic Symbol
Potential	P1	<b>P</b>	Black <sup>†</sup>	Potential, non-shorting blade.
Current	C1	<b>C</b>	Black <sup>†</sup>	Current, non-shorting, with test jack and blade.
Current <sup>††</sup> Shorting	C1-C1	<b>C-C</b>	Black <sup>†</sup>	Current shorting (make-before-break), with test jack and blade.
	C1-A1	<b>C-A</b>		Current shorting (make-before-break), with blade only.
	C1-B0	<b>C-B</b>		Current shorting (make-before-break), with stud only.
	C1-D0	<b>C-D</b>		Current shorting (make-before-break), with test jack only.
	C1-E1	<b>C-E</b>		Current shorting (make-before-break), with shorting blade only.
	C1-S0	<b>C-S</b>		Current shorting (make-before-break), with fixed shorting strap.
Other	D0	<b>D</b>	None	Current test jack, no blade.
	S0	<b>S</b>	None	Fixed shorting strap.
	X0	<b>X</b>	None	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	<b>P</b> Black
	P2	<b>T</b> Red
	P3	<b>H</b> Brown
	P4	<b>V</b> Purple
	P5	<b>G</b> Green
	P6	<b>Y</b> Yellow
	P7	<b>Z</b> Blue
	P8	<b>W</b> White
	P9	<b>O</b> Orange
Current	C1	<b>C</b> Black
	C2	<b>R</b> Red
	C3	<b>3</b> Brown
	C4	<b>4</b> Purple
	C5	<b>5</b> Green
	C6	<b>6</b> Yellow
	C7	<b>7</b> Blue
	C8	<b>8</b> White
	C9	<b>9</b> 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

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		SOFTWARE TYPE: AUTOCAD 2006	CHKR/DATE: M.Uriguen 10/20/2008		
		APPR/DATE: Tim Masters 10/20/2008			
		TITLE: <b>FT-14 SWITCH POLE ARRANGEMENT &amp; INT SCH</b>		© Copyright 2008 ABB All rights reserved	SIZE: <b>A</b>
ABB Protective Relays and Switches, Coral Springs FL, U.S.A.		SCALE: NONE	SHEET 1 OF 1		