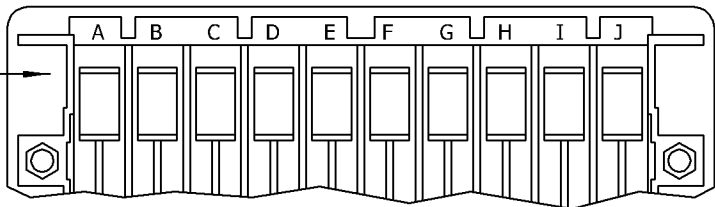


# TYPE FT-1 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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



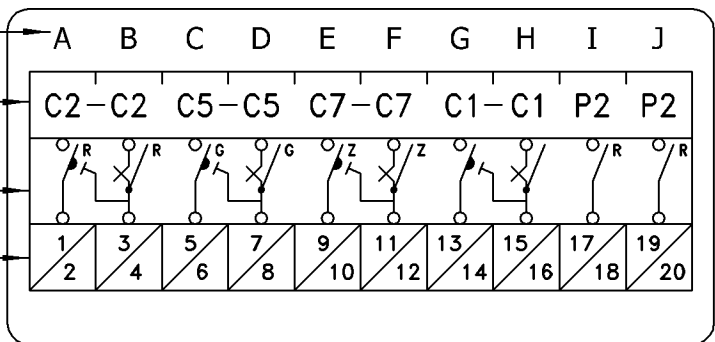
**STYLE No:** 991AB54G01  
**CODE No:** B54  
**CLASS 1E:** NO

POLE  
POSITIONS

SWITCH  
ARRANGEMENT

INTERNAL  
SCHEMATIC

TERMINAL NO.s  
(REAR OF SW)



No. POLES: 10  
No. POTENTIALS: 2  
No. CURRENTS: 8  
TIE BARS: NONE  
DRILL PLAN: 129A500  
INT SCHEMATIC: 991AB54

**ARRANGEMENT: R-R 5-5 7-7 C-C T T**

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 †† 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.

† = 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	<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 (10 POS).**  
STYLE No: 1164046

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

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	SOFTWARE TYPE: AUTOCAD 2006	CHKR/DATE: M.Uriguen 2/10/2009			
	ENG. REF: MFG DWG: FT1-B54 GEN DWG: 1616C24	APPR/DATE: Tim Masters 2/10/2009			
	ABB Protective Relays and Switches, Coral Springs Fl, U.S.A.		TITLE: <b>FT-1 SWITCH POLE ARRANGEMENT &amp; INT SCH</b>	SIZE: <b>A</b>	DWG. NO: <b>991AB54</b>
		© Copyright 2008 ABB All rights reserved	SCALE: NONE	SHEET 1 OF 1	