

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

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



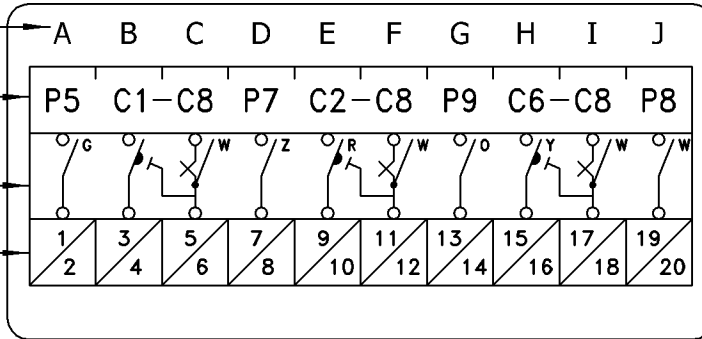
STYLE No: 991AB91G01
CODE No: B91
CLASS 1E: NO

POLE
POSITIONS

SWITCH
ARRANGEMENT

INTERNAL
SCHEMATIC

TERMINAL NO.s
(REAR OF SW)



ARRANGEMENT: G C-8 Z R-8 O 6-8 W

No. POLES: 10
No. POTENTIALS: 4
No. CURRENTS: 6
TIE BARS: NONE
DRILL PLAN: 129A500
INT SCHEMATIC: 991AB91

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.

† = 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	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 (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 4/23/2009			
	ENG. REF: MFG DWG: FT1-B91 GEN DWG: 1616C24	APPR/DATE: Tim Masters 4/23/2009			
	ABB Protective Relays and Switches, Coral Springs Fl, U.S.A.		TITLE: FT-1 SWITCH POLE ARRANGEMENT & INT SCH	SIZE: A	DWG. NO: 991AB91
		© Copyright 2008 ABB All rights reserved	SCALE: NONE	SHEET 1 OF 1	