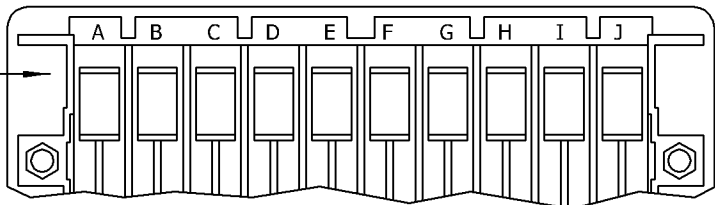


TYPE FT-1 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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



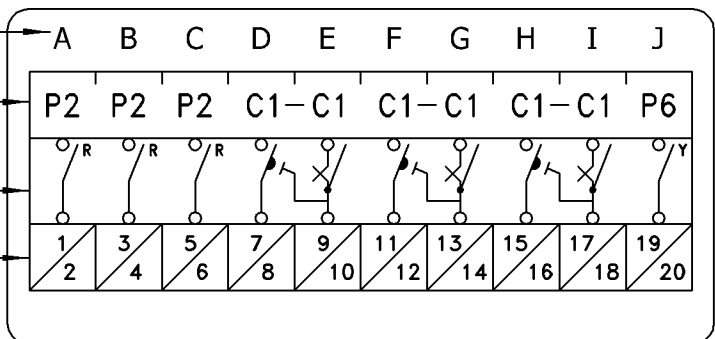
STYLE No: 991AB90G01
CODE No: B90
CLASS 1E: NO

POLE
POSITIONS

SWITCH
ARRANGEMENT

INTERNAL
SCHEMATIC

TERMINAL NO.s
(REAR OF SW)



No. POLES: 10
No. POTENTIALS: 4
No. CURRENTS: 6
TIE BARS: NONE
DRILL PLAN: 129A500
INT SCHEMATIC: 991AB90

ARRANGEMENT: T T T C-C C-C C-C Y

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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			CHKR/DATE: M.Uriguen 4/16/2009		
			APPR/DATE: Tim Masters 4/16/2009		
			SOFTWARE TYPE: AUTOCAD 2006		TITLE: FT-1 SWITCH POLE ARRANGEMENT & INT SCH
ENG. REF: MFG DWG: FT1-B90 GEN DWG: 1616C24		© Copyright 2008 ABB All rights reserved	SIZE: A	DWG. NO: 991AB90	REV: 1
ABB Protective Relays and Switches, Coral Springs FL, U.S.A.			SCALE: NONE	SHEET 1 OF 1	