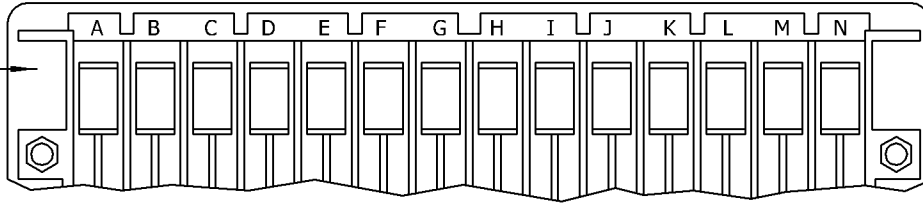


TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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



STYLE No:
FT4A14T04CN4153

CODE No: 4153

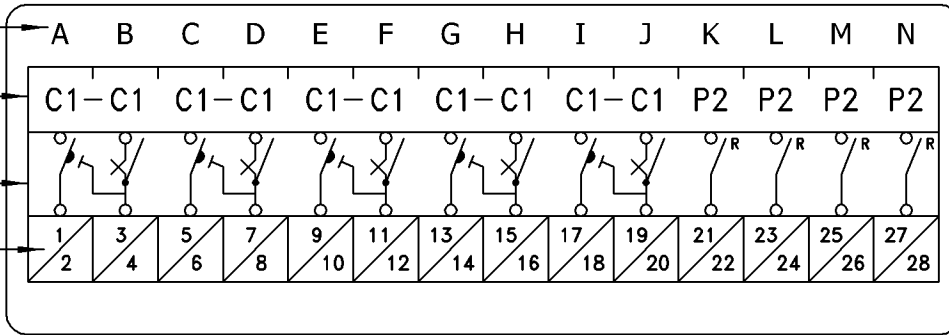
CLASS 1E: NO

POLE
POSITIONS

SWITCH
ARRANGEMENT

INTERNAL
SCHEMATIC

TERMINAL NO.s
(REAR OF SW)



No. POLES: 14

No. POTEN's: 4

No. CURR's: 10

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4153

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

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 (14 POS).
STYLE No: 1355D32G04

IN-SERVICE SERIES TEST PLUG.
STYLE No: NONE

1
ECO EM2008-1201

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SOFTWARE TYPE:
AUTOCAD 2006

ENG. REF: **MFG DWG: FT14-4153**
GEN DWG: 1619C94

ABB Protective Relays and Switches, Coral Springs FL, U.S.A.

DFTR/DATE: R.Novoseletsky 10/30/2008

CHKR/DATE: M.Uriguen 10/30/2008

APPR/DATE: Tim Masters 10/30/2008



TITLE:
FT-14 SWITCH
POLE ARRANGEMENT & INT SCH

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SIZE A	DWG. NO. 94A4153	REV. 1
SCALE: NONE		SHEET 1 OF 1