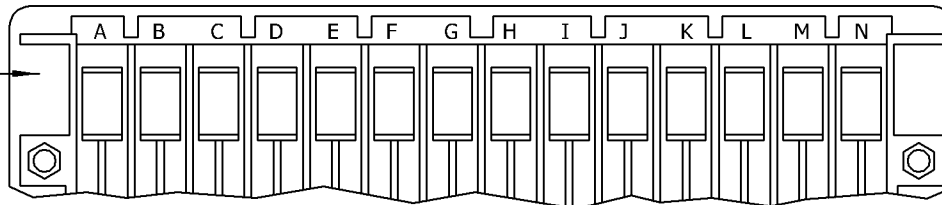


TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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

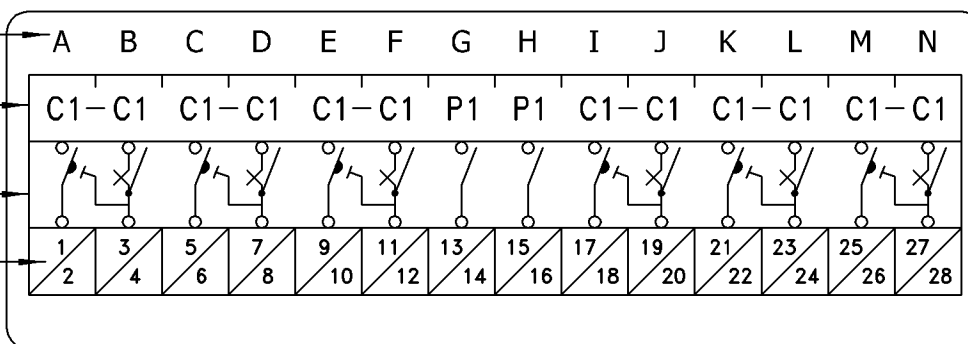


STYLE No:
FT4A14T02CN4177

CODE No: 4177

CLASS 1E: NO

POLE
POSITIONS
SWITCH
ARRANGEMENT
INTERNAL
SCHEMATIC
TERMINAL NO.s
(REAR OF SW)



No. POLES: 14

No. POTEN's: 2

No. CURR's: 12

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4177

ARRANGEMENT: C-C C-C C-C P P C-C C-C C-C

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.	

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

† = 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).

1
ECO EM2008-1224

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SOFTWARE TYPE:
AUTOCAD 2006

ENG. REF: MFG DWG: FT14-4177
GEN DWG: 1619C94

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

DFT/DATE: R.Novoseletsky 4/1/2009
CHKR/DATE: M.Uriguen 4/1/2009
APPR/DATE: Tim Masters 4/1/2009



TITLE:
**FT-14 SWITCH
POLE ARRANGEMENT & INT SCH**

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SIZE A	DWG. NO: 94A4177	REV: 1
SCALE: NONE		SHEET 1 OF 1