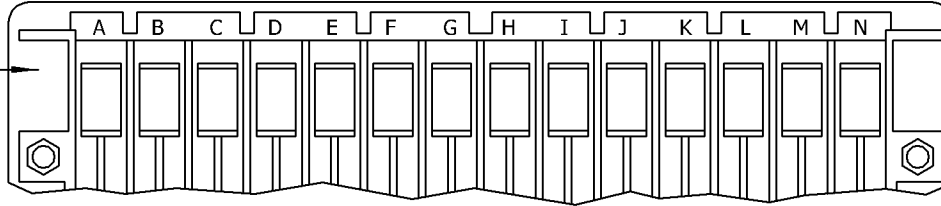


TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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

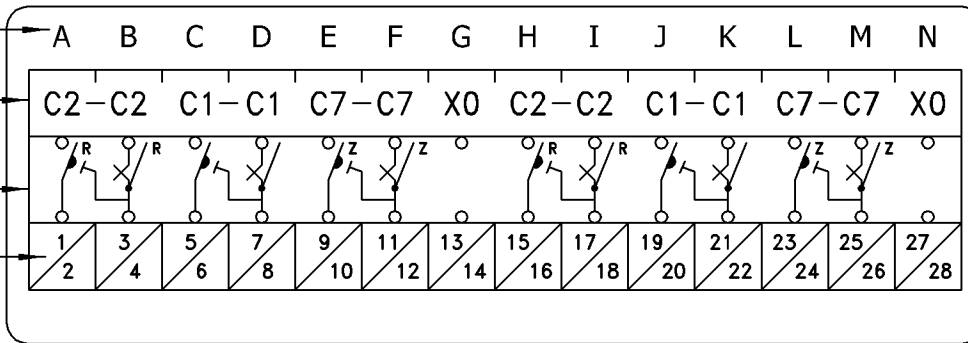


STYLE No:
FT4A12T00CN4172

CODE No: 4172

CLASS 1E: NO

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



No. POLES: 12

No. POTEN's: 0

No. CURR's: 12

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4172

ARRANGEMENT: R-R C-C 7-7 X R-R C-C 7-7 X

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

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		CHKR/DATE: M.Uriguen 3/6/2009		
		APPR/DATE: Tim Masters 3/6/2009		
		FT-14 SWITCH POLE ARRANGEMENT & INT SCH		
	SOFTWARE TYPE: AUTOCAD 2006	TITLE:		
	ENG. REF: MFG DWG: FT14-4172 GEN DWG: 1619C94	© Copyright 2008 ABB All rights reserved	SIZE: A	DWG. NO: 94A4172
	ABB Protective Relays and Switches, Coral Springs Fl, U.S.A.		SCALE: NONE	REV: 1 SHEET 1 OF 1