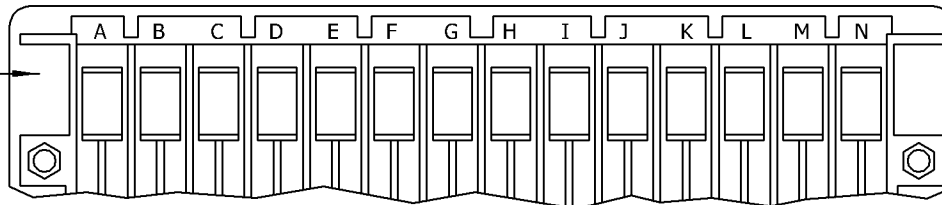


TYPE FT-14 FLEXITEST SWITCH, SWITCH ARRANGEMENT & INTERNAL SCHEMATIC

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

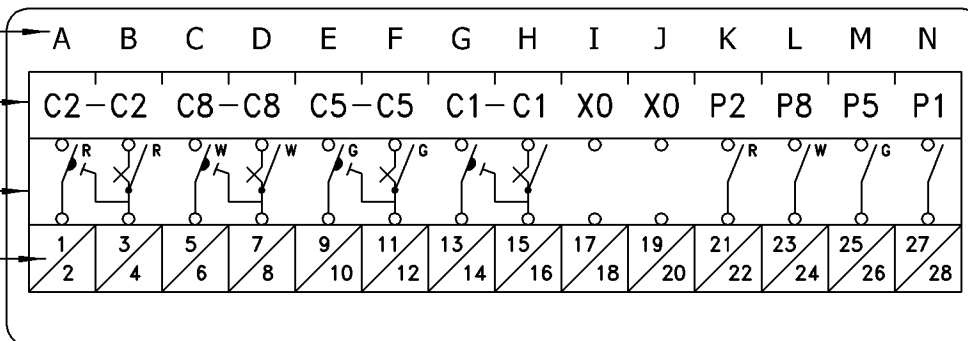


STYLE No:
FT4A12T04CN4159

CODE No: 4159

CLASS 1E: NO

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



No. POLES: 12

No. POTEN's: 4

No. CURR's: 8

TIE BARS: NONE

DRILL PLAN: 9666A30

INT SCH: 94A4159

ARRANGEMENT: R-R 8-8 5-5 C-C X X T W G P

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).

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			CHKR/DATE: M.Uriguen 1/14/2009		
			APPR/DATE: Tim Masters 1/14/2009		
	SOFTWARE TYPE: AUTOCAD 2006		TITLE: FT-14 SWITCH POLE ARRANGEMENT & INT SCH		
ENG. REF: MFG DWG: FT14-4159 GEN DWG: 1619C94		© Copyright 2008 ABB All rights reserved	SIZE: A	DWG. NO: 94A4159	REV: 1
ABB Protective Relays and Switches, Coral Springs Fl, U.S.A.			SCALE: NONE	SHEET 1 OF 1	