**Notes:**
1. Rotary Switch emulates drop down menu for "Pol Signal Sel" parameter setting in PCM600. Switch position shown for default setting (Neg Seq Volt).
2. "Pol Signal Sel" parameter setting Calc Vo, 59N function not applicable for open delta connected VTs.
General Notes:

1. Style and code numbers for FT-1 switches provide black covers and handles, screw terminals and standard depth. Poles selection follows arrangement shown in this drawing set. For custom designs, different selection options can be made by using FT-1 configurator at ft1switch.com

NOTE:
Connections shown are for a 30°. ANSI standard autotransformer.
Open Delta *

For relay voltage connections shown set Analog input Voltage 'VT connection' setting to Wye' for metering to work correctly. Refer to application manual for alternate connections to relay for open delta connections using 'Delta' VT connection setting.

* WYE VT CONNECTION
  'VT connection' setting = 'Wye'
1. Binary I/O shown is from default PCM600 Application Configuration Tool (ACT). Connections shown are typical though more connections may be needed for specific application.
2. Connections are for Trip Circuit Supervision without external resistor. For this application the Trip Circuit Monitoring function is blocked when the circuit breaker is open.

Refer to technical manual for connections with an external resistor to monitor trip coil when breaker is open or close.
DC SCHEMATIC: POWER SUPPLY AND OUTPUTS

RELAY NEG. VDC

BREAKER 52(1) NEG. VDC

BREAKER 52(2) NEG. VDC

BREAKER 52(3) NEG. VDC

RELAY POS. VDC

BREAKER 52(1) POS. VDC

BREAKER 52(2) POS. VDC

BREAKER 52(3) POS. VDC

DC SCHEMATIC - INPUTS (TYPICAL)

RELAY ORDER CODE: NATBBAB2FFExxxNx1xx

SHEET 8 OF 10

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

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