

**S6000 IO/P Menu Structure**

Protection

Short Circuit

Enabled [v]  
 Trip Level 250%  
 Delay 100 ms  
 PDelay 100 ms

Overcurrent

Enabled [v]  
 Trip Level 100%  
 Delay 5.0 s  
 PDelay 5.0 s

Overload

Enabled [v]  
 Trip Level 100%  
 Delay 5.0 s  
 PDelay 5.0 s  
*Mode* Phase (o)  
 Sum ( )

Reverse Power

Enabled [v]  
 Trip Level -2%  
 Delay 5.0 s  
 PDelay 5.0 s  
*Mode* Phase (o)  
 Sum ( )

Excitation Loss

Enabled [v]  
 Trip Level -50%  
 Delay 5.0 s  
 PDelay 5.0 s  
*Mode* Phase (o)  
 Sum ( )

Voltage Establish

Enabled [ ]  
 Lower Trip Level 70%



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    Upper Trip Level
    130%
    PDelay
    2.0 s
    Delay
    2.0 s
  Freq. Establish
    Enabled [ ]
    Lower Trip Level
    70%
    Upper Trip Level
    130%
    Lower Delay
    2.0 s
    Upper Delay
    2.0 s
  Load Trip
    Non Essential 1
    Enabled [v]
    Frequency (o)
    Power ( )
    Current ( )
    Trip Level
    80%
    Hysteresis
    10%
    Delay
    10.0 s
    Mode
    Phase (o)
    Sum ( )
    Non Essential 2
    Enabled [v]
    Frequency (o)
    Power ( )
    Current ( )
    Trip Level
    90%
    Hysteresis
    10%
    Delay
    10.0 s
    Mode
    Phase (o)
    Sum ( )
  I/O & Relays
    Alarm Relay
    Sys (o)
    Sys+Prot ( )
    CB Trip Relay
    ND ( )
    NE (o)
    NE1 Trip Relay
    ND (o)
    NE ( )
    Latch Relay [v]

```



*Reset Delay* 1 s  
 NE2 Trip Relay  
   ND (o)  
   NE (  
   Latch Relay [v]  
   *Reset Delay* 1 s  
 Unload Trip  
   CB Trip Relay (o)  
   Aux I/O 2 (  
 Analogue Outputs  
   Output 1  
     Source  
       U12 (  
       U23 (  
       U31 (  
       U1N (  
       U2N (  
       U3N (  
       I1 (  
       I2 (  
       I3 (  
       Ia1 (  
       Ia2 (  
       Ia3 (  
       P1 (  
       P2 (  
       P3 (  
       P (o)  
       Ir1 (  
       Ir2 (  
       Ir3 (  
       Q1 (  
       Q2 (  
       Q3 (  
       Q (  
       PF1 (  
       PF2 (  
       PF3 (  
       PF (  
       VA1 (  
       VA2 (  
       VA3 (  
       VA (  
       f (  
   Voltage (o)  
   Current (  
   Source Min -10.0 %  
   Source Max 100.0%  
   *Volt Min* -1.000 VDC  
   *Volt Max* 10.000 VDC



Current Min  
4.000 mA  
Current Max  
20.000 mA

Output 2

- Source
- U12 ( )
  - U23 ( )
  - U31 ( )
  - U1N ( )
  - U2N ( )
  - U3N ( )
  - I1 ( )
  - I2 ( )
  - I3 ( )
  - Ia1 ( )
  - Ia2 ( )
  - Ia3 ( )
  - P1 ( )
  - P2 ( )
  - P3 ( )
  - P ( )
  - Ir1 ( )
  - Ir2 ( )
  - Ir3 ( )
  - Q1 ( )
  - Q2 ( )
  - Q3 ( )
  - Q (o)
  - PF1 ( )
  - PF2 ( )
  - PF3 ( )
  - PF ( )
  - VA1 ( )
  - VA2 ( )
  - VA3 ( )
  - VA ( )
  - f ( )

Voltage (o)  
Current ( )  
Source Min  
-10.0 %  
Source Max  
100.0 %  
Volt Min  
-1.000 VDC  
Volt Max  
10.000 VDC  
Current Min  
4.000 mA  
Current Max  
20.000 mA

Output 3

- Source
- U12 ( )
  - U23 ( )



U31 ( )  
 U1N ( )  
 U2N ( )  
 U3N ( )  
 I1 ( )  
 I2 ( )  
 I3 ( )  
 Ia1 ( )  
 Ia2 ( )  
 Ia3 ( )  
 P1 ( )  
 P2 ( )  
 P3 ( )  
 P ( )  
 Ir1 ( )  
 Ir2 ( )  
 Ir3 ( )  
 Q1 ( )  
 Q2 ( )  
 Q3 ( )  
 Q ( )  
 PF1 ( )  
 PF2 ( )  
 PF3 ( )  
 PF (o)  
 VA1 ( )  
 VA2 ( )  
 VA3 ( )  
 VA ( )  
 f ( )

Voltage (o)  
 Current ( )  
 Source Min  
                   0.0 %  
 Source Max  
                   100.0 %  
 Volt Min  
                   0.000 VDC  
 Volt Max  
                   10.000 VDC  
 Current Min  
                   4.000 mA  
 Current Max  
                   20.000 mA

System

Nominal Voltage  
                   400.0 VAC  
 Prim Voltage  
                   400 VAC  
 Gen Max Current  
                   60.6 A  
 CT Prim Current  
                   100.0 A  
 Rated Frequency  
                   50.0 Hz  
 Neutral Connection



No (o)  
 Yes ( )  
 Load Calculation  
     Current (o)  
     Load ( )  
 Volt OK Window  
     10%  
 Cos Phi  
     1.00  
 Cur Expand  
     Yes ( )  
     No (o)  
 Setup Default  
     Yes ( )  
     No (o)  
 Revision Info  
     YYMMDD

RS232

Baud Rate  
     1200 ( )  
     2400 ( )  
     4800 ( )  
     9600 (o)  
     19200 ( )  
 Parity  
     None (o)  
     Even ( )  
     Odd ( )  
 Data Bits  
     7 ( )  
     8 (o)  
 StopBits  
     1 (o)  
     2 ( )

RS485

MODBUS Address      1  
 Baud Rate  
     1200 ( )  
     2400 ( )  
     4800 ( )  
     9600 (o)  
     19200 ( )  
 Parity  
     None (o)  
     Even ( )  
     Odd ( )  
 Data Bits  
     7 ( )  
     8 (o)  
 StopBits  
     1 (o)  
     2 ( )

