

BUS 45 - BUS 16 69KV      Date: 11/19/15    Time: 02:11:34.469

FID=SEL-321-1-R426-V656112pb-Z001001-D20011203

CURRENTS (pri)      VOLTAGES (kV pri)    RELAY ELEMENTS OUT IN

*ZZZZZZO 555566L 1357 1357*

*ABCABCO 3111077O &&&& &&&&*

IR   IA   IB   IC   VA   VB   VC   BCAGGGS 2NQPPNP 2468 2468

1   -56   -5   62   14.3   25.7   -40.1 ..... 1...

-7   38   -74   29   -38.0   31.3   6.6 ..... 1...

-5   55   5   -65   -14.3   -25.7   40.1 ..... 1...

4   -40   73   -30   38.0   -31.3   -6.6 ..... 1...

2   -56   -5   64   14.3   25.7   -40.1 ..... 1...

-7   38   -74   29   -38.0   31.2   6.6 ..... 1...

-5   55   5   -65   -14.3   -25.7   40.1 ..... 1...

5   -40   74   -30   38.0   -31.2   -6.6 ..... 1...

1   -56   -6   64   14.3   25.8   -40.1 ..... 1...

-8   38   -76   29   -38.0   31.2   6.6 ..... 1...

-5   55   5   -65   -14.3   -25.8   40.0 ..... 1...

5   -40   74   -30   38.0   -31.2   -6.7 ..... 1...

1 -56 -6 64 14.2 25.8 -40.1 ..... 1...  
-7 38 -74 29 -38.0 31.2 6.7 ..... 1...  
-5 55 5 -65 -14.2 -25.8 40.0 ..... 1...  
-522 -25 76 -572 37.5 -31.7 -9.7 .....L... 1...  
  
853 -72 4 922 16.9 28.8 -25.8 .....L... 1...  
2892 -50 -127 3070 -37.7 31.2 5.7 ..... q...M... 1...  
-2166 84 -52 -2198 -21.0 -33.1 6.2 .....3. q...M... 1...  
-5201 118 175 -5494 38.3 -30.2 1.6 .....3. q...M... 1...  
  
2334 -88 95 2327 22.1 34.2 -1.0 .....3. q...M... 1...  
5444 -115 -178 5737 -38.1 30.2 -1.5 .....3. q...M... 1...  
-2219 104 -92 -2231 -21.8 -34.2 0.8 .....3. q...M... 1...  
-5339 113 193 -5645 38.2 -29.9 1.3 .....3. q...M... 1...  
  
2304 -118 92 2329 21.4 34.6 -0.7 .....3. q...M... B...  
5371 -98 -163 5633 -38.2 29.6 -1.3 .....3. q...M... B...  
-2341 114 -108 -2347 -21.4 -35.4 0.8 .....3. q...M... B...  
-5380 34 86 -5500 36.3 -29.4 1.3 .....3. q...M... B...  
  
2416 -58 64 2410 25.2 36.9 -0.8 .....3. q...M... B...  
5711 1 -30 5740 -35.3 28.8 -1.2 .....3. q...M... B...  
-2542 1 -12 -2531 -29.0 -37.4 1.9 .....3. q...M... B...  
-4226 0 0 -4226 36.4 -27.8 0.6 .....3. q...M... B...  
  
1345 -1 0 1346 26.9 35.6 -6.2 .....3. q...M... B...

1236 0 -1 1237 -38.7 25.6 -3.2 .....3. q...M... .... B...  
 -1 0 -1 0 -20.0 -29.2 22.1 .....3. q...M... .... B...  
 -1 0 0 -1 38.4 -26.0 1.4 ..... q..... .... B...  
  
 -2 -2 0 0 14.1 24.4 -35.3 ..... .... B...  
 -1 0 -1 0 -36.2 28.1 4.0 ..... .... 1...  
 0 1 -1 0 -13.5 -24.3 36.5 ..... .... 1...  
 0 0 1 -1 36.4 -27.9 -4.8 ..... .... 1...  
  
 -4 -2 0 -1 13.4 24.4 -36.7 ..... .... 1...  
 -4 -1 -2 0 -36.5 27.8 4.9 ..... .... 1...  
 0 1 -1 0 -13.3 -24.5 36.6 ..... .... 1...  
 -1 0 0 -1 36.8 -27.5 -5.4 ..... .... 1...

Event: CG Location: -0.02 Frequency: 60.0

Targets: EN V1 Mem: 40.7 / 340

GROUP 1

RELID =SEL-321 POTT

TRMID =BUS 45 69KV TO BUS 16

Z1MAG = 1.08 Z1ANG = 80.00 Z0MAG = 3.53 Z0ANG = 76.60

LOCAT = Y LL = 3.93 CTR = 240.0 PTR = 600.0

PMHOZ = 4 GMHOZ = 4 QUADZ = 1

DIR1 = F    DIR2 = F    DIR3 = R    DIR4 = F  
Z1P = 0.86    Z2P = 1.34    Z3P = 5.30    Z4P = 64.00  
50PP1 = 3.20    50PP2 = 3.20    50PP3 = 2.60    50PP4 = 2.60  
Z1MG = 0.86    Z2MG = 1.34    Z3MG = 5.30    Z4MG = 64.00  
XG1 = 0.86  
RG1 = 4.30  
50L1 = 1.00    50L2 = 1.00    50L3 = 1.00    50L4 = 1.00  
50G1 = 1.00    50G2 = 1.00    50G3 = 1.00    50G4 = 1.00  
k01M = 0.752    k01A = -4.90    k0M = 0.752    k0A = -4.90    T = 0.00  
EOOS = N  
ELE = Y    ZLF = 16.00    ZLR = 16.00  
PLAF = 40    NLAF = -40    PLAR = 140    NLAR = 220  
Z2F = -0.69    50QF = 0.50    Z2R = 0.08    50QR = 0.50    a2 = 0.03  
E51P = N  
E51N = Y    51NP = 0.60    51NC = U2  
51NTD = 2.50    51NRS = Y    51NTC = 32QF  
E50N = N  
E51Q = N  
E50Q = N  
EVOLT = N  
Z2PD = 20.00    Z3PD = 0.00    Z4PD = 60.00  
Z2GD = 20.00    Z3GD = 0.00    Z4GD = 60.00  
EPOTT = Y    Z3RBD = 6.00    EBLKD = 8.00  
ETDPU = 1.00    EDURD = 6.00  
EDCUB = N  
EZ1EXT = N

EREJO = N

ESOTF = Y ENCLO = Y CLOEND= 10.00 EN52A = Y 52AEND= 10.00

SOTFD = 30.00 50H = 62.00

ELOP = Y LOPD = 30.00 50M = 6.00 59QL = 10.00 59PL = 10.00

EPOLD = N ESPT = N ESPO = N

3POD = 1.50 ESTUB = N TULO = 3

TDURD = 4.00 TOPD = 0.00 TXPU = 0.00 TXDO = 0.00

TYPU = 0.00 TYDO = 0.00 TZPU = 0.00 TZDO = 0.00 ITTD = 0.00

SELogic group 1

V =NA

W =NA

X =NA

Y =NA

Z =NA

MTCS =M2P + Z2G

MTU =M1P + Z1G + M2PT + Z2GT + M4PT + Z4GT + 51NT

MTO =NA

MER =M4P + Z4G + 51NP + 50G + 50PP

OUT1 =3PT

OUT2 =NA

OUT3 =3PT

OUT4 =NA

OUT5 =KEY

OUT6 =NA

OUT7 =NA

OUT8 =NA

OUT9 =NA

OUT10 =NA

OUT11 =NA

TMB1 =NA

TMB2 =NA

TMB3 =NA

TMB4 =NA

TMB5 =NA

TMB6 =NA

TMB7 =NA

TMB8 =NA

IN1 = 52A1 IN2 = PT IN3 = NA IN4 = NA

IN5 = NA IN6 = NA IN7 = NA IN8 = NA

RMB1 = NA RMB2 = NA RMB3 = NA RMB4 = NA

RMB5 = NA RMB6 = NA RMB7 = NA RMB8 = NA

FP\_TIMEOUT= 5 TGR = 5 ERESTART= Y