

Trans. Size: 500
Reactance: 4.75
Sec. Voltage: 415

TRANSFORMER

Fuse
600 Amps

Min. Trip Current:
150.0 Amps
Max Length:
4119.47 mts
V.D.: .49 %
Impedance:
0.008 Ohms
Voltage: 240 V
Earth: 50 mm2
Cores: 2
Test: 5.0 sec

Short Circuit Currents
9.91 MVA
13.79 KA
0.12 PF

MAIN SWITCHBOARD
COMPLIANCE

300 / 300 Amps
Cable Fault level:
10010 Amps

Min. Trip Current:
240.0 Amps
Max Length:
632.37 mts
V.D.: 5.69 %
Impedance:
0.059 Ohms
Voltage: 240 V
Earth: 25 mm2
Cores: 1
Test: 5.0 sec

70.0 mm2
Copper
45mts
Single
200 Amps

Short Circuit Currents
6.38 MVA
8.88 KA
0.65 PF

DIST BOARD 1
COMPLIANCE

20 Amps
Cable Fault level:
30Amps
RCD Sensitivity:
30 mA

Min. Trip Current:
150.0 Amps
Max Length:
84.5 mts
V.D.: 42.6 %
Impedance:
0.709 Ohms
Voltage: 240 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

WASTE WATER PUMP
COMPLIANCE

20 Amps
Cable Fault level:
30Amps
RCD Sensitivity:
30 mA

Min. Trip Current:
150.0 Amps
Max Length:
67.8 mts
V.D.: 53.1 %
Impedance:
0.872 Ohms
Voltage: 237 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

UPS SUPPLY
COMPLIANCE

20 Amps
Type 'C' CB
Cable Fault level:
357.5 Amps

Min. Trip Current:
150.0 Amps
Max Length:
68.09 mts
V.D.: 29.37 %
Impedance:
0.485 Ohms
Voltage: 238 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

power 16
COMPLIANCE

20 Amps
Type 'C' CB
Cable Fault level:
357.5 Amps

Min. Trip Current:
150.0 Amps
Max Length:
68.66 mts
V.D.: 25.63 %
Impedance:
0.427 Ohms
Voltage: 240 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

ss1
COMPLIANCE

10 Amps
Type 'C' CB
Cable Fault level:
357.5 Amps

Min. Trip Current:
75.0 Amps
Max Length:
137.32 mts
V.D.: 20.39 %
Impedance:
0.679 Ohms
Voltage: 240 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

OFFICE LIGHTS
COMPLIANCE

16 Amps
Type 'C' CB
Cable Fault level:
572 Amps

Min. Trip Current:
120.0 Amps
Max Length:
105.63 mts
V.D.: 34.08 %
Impedance:
0.709 Ohms
Voltage: 240 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

HIGH BAY LIGHTS
COMPLIANCE

16 Amps
Cable Fault level:
572 Amps
RCD Sensitivity:
30 mA

Min. Trip Current:
4.0 Amps
Max Length:
105.63 mts
V.D.: 21.96 %
Impedance:
0.457 Ohms
Voltage: 240 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

SOUTH WALL D GPOs * 6off
COMPLIANCE

20 Amps
Cable Fault level:
30Amps
RCD Sensitivity:
30 mA

Min. Trip Current:
150.0 Amps
Max Length:
51.49 mts
V.D.: 27.97 %
Impedance:
0.465 Ohms
Voltage: 240 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

POWER 2 D GPO NORTH WALL * 8off
COMPLIANCE

32 Amps
Type 'C' CB
Cable Fault level:
858 Amps

Min. Trip Current:
240.0 Amps
Max Length:
60.58 mts
V.D.: 21.13 %
Impedance:
0.22 Ohms
Voltage: 240 V
Earth: 2.5 mm2
Cores: 1
Test: 5.0 sec

POWER 3 PHASE GPO WEST WALL * 1
COMPLIANCE

This single line diagram presents the final subcircuit Earth Loop data for the installation on the printout.

Can be saved and then opened in CAD