

Network_Link
PK Key
Name
Group_ID
Phases
To
From
Length (ft)
FK Link_Type

Fuse
PK Key
current_limit
status

Transformer
PK Key
connect_type
install_type
primary_voltage (V)
secondary_voltage (V)
power_rating (kW)
powerA_rating (kW)
powerB_rating (kW)
powerC_rating (kW)
resistance (pu)
reactance (pu)
shunt_resistance (pu)
shunt_reactance (pu)

Redosier
PK Key
operating_mode
retry_time (sec)
max_number_of_tries

Switch
PK Key
status
operating_mode

Breaker
PK Key
status
overcurrent (A)

Network_Protector
PK Key

Regulator
PK Key
control
remote_sense
band_center (V)
band_width (V)
connect_type
time_delay (sec)
raise_taps
lower_taps
regulation
tap_pos_A
tap_pos_B
tap_pos_C

triplex_line
PK Key
FK conductor_1
FK conductor_2
FK conductor_N

triplex_line_conductor
PK Key
conductor_type
ampacity (A)
geometric_mean_radius (ft)
resistance (ohm/mile)
insulation_thickness (in)
diameter (in)

overhead_line_conductor
PK Key
conductor_type
ampacity (A)
geometric_mean_radius (ft)
resistance (ohm/mile)

pole_config
PK Key
distance_AB (in)
distance_BC (in)
distance_AC (in)
distance_AN (in)
distance_BN (in)
distance_CN (in)
height (ft)

underground_line
PK Key
FK conductor_A
FK conductor_B
FK conductor_C
FK conductor_N
distance_AB
distance_BC
distance_AC
distance_AN
distance_BN
distance_CN

underground_line_conductor
PK Key
conductor_type
ampacity (A)
outer_diameter (in)
conductor_gmr (ft)
conductor_diameter (in)
conductor_resistance (ohm/mile)
neutral_gmr (ft)
neutral_resistance (ohm/mile)
neutral_diameter (in)
neutral_strands
shield_gmr (ft)
shield_resistance (ohm/mile)
shield_thickness (in)

Network_Node
PK Key
Name
Group_ID
Phases
Nominal_voltage (V)
X_Pos
Y_Pos
Parent
FK Node_Type

Triplex_Node
PK Key
constant_Z_real_12 (kW)
constant_Z_imag_12 (KVAR)
constant_I_real_12 (kW)
constant_I_imag_12 (KVAR)
constant_P_real_12 (kW)
constant_P_imag_12 (KVAR)
constant_Z_real_1 (kW)
constant_Z_imag_1 (KVAR)
constant_I_real_1 (kW)
constant_I_imag_1 (KVAR)
constant_P_real_1 (kW)
constant_P_imag_1 (KVAR)
constant_Z_real_2 (kW)
constant_Z_imag_2 (KVAR)
constant_I_real_2 (kW)
constant_I_imag_2 (KVAR)
constant_P_real_2 (kW)
constant_P_imag_2 (KVAR)

Load
PK Key
connection_type
constant_Z_real_A (kW)
constant_Z_imag_A (KVAR)
constant_I_real_A (kW)
constant_I_imag_A (KVAR)
constant_P_real_A (kW)
constant_P_imag_A (KVAR)
constant_Z_real_B (kW)
constant_Z_imag_B (KVAR)
constant_I_real_B (kW)
constant_I_imag_B (KVAR)
constant_P_real_B (kW)
constant_P_imag_B (KVAR)
constant_Z_real_C (kW)
constant_Z_imag_C (KVAR)
constant_I_real_C (kW)
constant_I_imag_C (KVAR)
constant_P_real_C (kW)
constant_P_imag_C (KVAR)
load_class

Node
PK Key
bustype

Meter
PK Key

Capacitor
PK Key
pt_phase
connection_type
control
remote_sense
voltage_set_high (V)
voltage_set_low (V)
capacitor_A (KVAR)
capacitor_B (KVAR)
capacitor_C (KVAR)
control_level
time_delay (sec)
dwel_time (sec)
cap_rated_voltage (V)