# Interface configuration file for SimLink - 2017

#

# This is the configuration file for the SimLink Interface program

# used in conjunction with the OpenPLC and the Simulink application.

# In order to send and receive data between the Simulink and the

# OpenPLC stations, SimLink needs to know the IP address for the

# machine running the Simulink application and also information

# about the exported variables for each OpenPLC station.

#

# To add variables to one station, type the name of the station

# followed by the command "add" plus the type of variable you

# want to be added. The number after the "=" sign is the UDP

# port used by the simulink UDP connection to send or receive

# the variable. Ex: station0.add(digital\_out) = "10001"

#

# The variables added to the station will be connected to the

# OpenPLC buffer in the order they appear. Therefore, the first

# digital\_out will be connected to OpenPLC %QX0.0 (coils buffer

# at position 0.0). The second digital\_out will be %QX0.1 and so on...

#

# Different types of variables (digital\_out, analog\_in) are

# connected to different buffers. Therefore if after the two

# digital\_out's mentioned above there is a analog\_in, it will

# be connected to %IW0 (analog input buffer position 0)

# This file was automatically generated for Parker\_Street\_threePhases\_for\_runtime.st

num\_stations = "1"

comm\_delay = "100"

simulink.ip = "localhost"

# this interface file and simlink file will run in the docker container,

# so this ip should always be localhost except in unusual circumstances

station0.ip = "localhost"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 362

# N\_G AT %QX0.0 : BOOL;

station0.add(digital\_out) = "26000"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 363

# S\_G AT %QX0.1 : BOOL;

station0.add(digital\_out) = "26001"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 364

# E\_G AT %QX0.2 : BOOL;

station0.add(digital\_out) = "26002"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 365

# W\_G AT %QX0.3 : BOOL;

station0.add(digital\_out) = "26003"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 366

# N\_Y AT %QX0.4 : BOOL;

station0.add(digital\_out) = "26004"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 367

# S\_Y AT %QX0.5 : BOOL;

station0.add(digital\_out) = "26005"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 368

# E\_Y AT %QX0.6 : BOOL;

station0.add(digital\_out) = "26006"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 369

# W\_Y AT %QX0.7 : BOOL;

station0.add(digital\_out) = "26007"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 370

# N\_R AT %QX1.0 : BOOL;

station0.add(digital\_out) = "26008"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 371

# S\_R AT %QX1.1 : BOOL;

station0.add(digital\_out) = "26009"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 372

# E\_R AT %QX1.2 : BOOL;

station0.add(digital\_out) = "26010"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 373

# W\_R AT %QX1.3 : BOOL;

station0.add(digital\_out) = "26011"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 374

# N\_LY AT %QX1.4 : BOOL;

station0.add(digital\_out) = "26012"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 375

# S\_LY AT %QX1.5 : BOOL;

station0.add(digital\_out) = "26013"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 376

# E\_LY AT %QX1.6 : BOOL;

station0.add(digital\_out) = "26014"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 377

# W\_LY AT %QX1.7 : BOOL;

station0.add(digital\_out) = "26015"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 378

# N\_LG AT %QX2.0 : BOOL;

station0.add(digital\_out) = "26016"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 379

# S\_LG AT %QX2.1 : BOOL;

station0.add(digital\_out) = "26017"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 380

# E\_LG AT %QX2.2 : BOOL;

station0.add(digital\_out) = "26018"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 381

# W\_LG AT %QX2.3 : BOOL;

station0.add(digital\_out) = "26019"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 382

# N\_LR AT %QX2.4 : BOOL;

station0.add(digital\_out) = "26020"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 383

# S\_LR AT %QX2.5 : BOOL;

station0.add(digital\_out) = "26021"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 384

# E\_LR AT %QX2.6 : BOOL;

station0.add(digital\_out) = "26022"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 385

# W\_LR AT %QX2.7 : BOOL;

station0.add(digital\_out) = "26023"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 386

# N\_P AT %QX3.0 : BOOL;

station0.add(digital\_out) = "26024"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 387

# S\_P AT %QX3.1 : BOOL;

station0.add(digital\_out) = "26025"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 388

# E\_P AT %QX3.2 : BOOL;

station0.add(digital\_out) = "26026"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 389

# W\_P AT %QX3.3 : BOOL;

station0.add(digital\_out) = "26027"

# %QX3.4 test\_1

station0.add(digital\_out) = "26028"

# %QX3.5 test\_2

station0.add(digital\_out) = "26029"

# %QX3.6 test\_3

station0.add(digital\_out) = "26030"

# Generated from Parker\_Street\_threePhases\_for\_runtime.st on line 390

# Offset\_out AT %QW0 : INT;

station0.add(analog\_out) = "26031"

# Offset\_out AT %QW1 : INT;

station0.add(analog\_out) = "26032"