WindContQPQULimIEC (IdentifiedObject)

+WindContQPQULimIEC 0..1

IdentifiedObject
WindContQPQULimIEC
+ tpfiltql: Seconds [0..1]
+ tufiltql: Seconds [0..1]

+WindContQPQULimIEC 0..1

WindProtectionIEC (IdentifiedObject)

IdentifiedObject
WindProtectionIEC
+ dfimax: PU [0..1]
+ fover: PU [0..1]
+ funder: PU [0..1]
+ mzc: Boolean [0..1]
+ tfma: Seconds [0..1]
+ uover: PU [0..1]
+ uunder: PU [0..1]

+WindProtectionIEC
0..1
1

UserDefinedModels::WindType3or4UserDefined

UserDefinedModels::WindType3or4UserDefined
+ proprietary: Boolean [0..1]

WindTurbineType3or4D...

WindTurbineType3or4IEC

WindTurbineType3or4IEC

+WindTurbineType3or4IEC 0..1
+WindTurbineType3or4IEC
+WindTurbineType3or4IEC 0..1
+WindTurbineType3or4IEC
+WindTurbineType3or4IEC 0..1 1
+WindTurbineType3or4IEC
+WindTurbineType3or4IEC 1
+WindRefFrameRotIEC 1

WindContQLimIEC (IdentifiedObject)

+WindContQLimIEC 0..1

IdentifiedObject
WindContQLimIEC
+ qmax: PU [0..1]
+ qmin: PU [0..1]

WindRefFrameRotIEC (IdentifiedObject)

IdentifiedObject
WindRefFrameRotIEC
+ tpll: Seconds [0..1]
+ upll1: PU [0..1]

+WindContCurrLimIEC [0..1]

WindContQIEC (IdentifiedObject)

+WIndContQIEC 1

IdentifiedObject
WindContQIEC
+ iqh1: PU [0..1]
+ iqmax: PU [0..1]
+ iqmin: PU [0..1]
+ iqpost: PU [0..1]
+ kiq: PU [0..1]
+ kiu: PU [0..1]
+ kpq: PU [0..1]
+ kpu: PU [0..1]
+ kqv: PU [0..1]
+ rdroop: PU [0..1]
+ tpfiltq: Seconds [0..1]
+ tpost: Seconds [0..1]
+ tqord: Seconds [0..1]
+ tufiltq: Seconds [0..1]
+ udb1: PU [0..1]
+ udb2: PU [0..1]
+ umax: PU [0..1]
+ umin: PU [0..1]
+ uqdip: PU [0..1]
+ uref0: PU [0..1]
+ windQcontrolModesType: WindQcontrolModeKind [0..1]
+ windUVRTQcontrolModesType: WindUVRTQcontrolModeKind [0..1]
+ xdroop: PU [0..1]

WindContCurrLimIEC (IdentifiedObject)

IdentifiedObject
WindContCurrLimIEC
+ imax: PU [0..1]
+ imaxdip: PU [0..1]
+ kpqu: PU [0..1]
+ mdfslim: Boolean [0..1]
+ mqpri: Boolean [0..1]
+ tufiltcl: Seconds [0..1]
+ upqumax: PU [0..1]

+WindContCurrLimIEC
0..1

WindTurbineType3IEC

WindTurbineType3IEC

0..1 0..1
+WindTurbineTyp...
+WindTurbineType3IEC
+Wind...

+WindMechIEC 1

WindMechIEC (Identifie...)

Identifie...
WindMechIE...
+ cdrt: PU [0..1...
+ hgen: Second...
+ hwtr: Second...
+ kdrt: PU [0..1...

WindUVRTQcontrolModeKind «enumeration»

«enumeration» WindUVRTQcontrolModeKind
mode0
mode1
mode2

WindQcontrolModeKind «enumeration»

«enumeration» WindQcontrolModeKind
voltage
reactivePower
openLoopReactivePower
powerFactor
openLooppowerFactor

WindLookupTableFunctionKind «enumeration»

«enumeration» WindLookupTableFunctionKind
prr
omegap
ipmax
iqmax
pwp
tcwdu
tduwt
qmaxp
qminp
qmaxu
qminu
tuover
tuunder
tfover
tfunder
qwp

+WindDynamicsLookupTable
1..*

WindDynamicsL...

WindDynamicsL...
+ input: Float [0..1]
+ lookupTableFunctionType: Win...

+WindDynamicsLookupTable

UML class diagram containing the following elements:

Dynamics (partial, left edge)
- +WindTurbineType3or4Dynamics 0..1
- 0..1 +RemoteInputSignal

IdentifiedObject
StandardInterconnections::RemoteInputSignal
- + remoteSignalType: RemoteSignalKind [0..1]

IdentifiedObject
StandardModels::DynamicsFunctionBlock
- + enabled: Boolean [0..1]

WindTurbineType4IEC
- 0..1 +WindTurbineType4IEC

WindTurbineType4bIEC
- 0..1   1   0..1
- +WindTurbineType4bIEC
- +WindTurbineType4bIEC
- +WindTurbineType4bIEC

WindTurbineType4aIEC
- 0..1   1
- +WindTurbineType4aIEC
- +WindTurbineType4aIEC
- +WindTurbineType4aIEC

...e3IEC

...GenType3IEC 0..1

IdentifiedObject
WindGenType3IEC
- dipmax: PU [0..1]
- diqmax: PU [0..1]
- xs: PU [0..1]

+WindGenType3aIEC 0..1

WindGenType3aIEC
- + kpc: Float [0..1]
- + tic: Seconds [0..1]

+WindGenType4IEC
+WindGenType4IEC
- 0..1   0..1

IdentifiedObject
WindGenType4IEC
- + dipmax: PU [0..1]
- + diqmax: PU [0..1]
- + diqmin: PU [0..1]
- + tg: Seconds [0..1]

+WindContPType4bIEC 1

+WindMechIEC 1

...dObject
...EC
- ...s [0..1]
- ...s [0..1]
- ...]

IdentifiedObject
WindContPType4bIEC
- + dpmaxp4b: PU [0..1]
- + tpaero: Seconds [0..1]
- + tpordp4b: Seconds [0..1]
- + tufiltp4b: Seconds [0..1]

+WindContPType4aIEC 1

IdentifiedObject
WindContPType4aIEC
- + dpmaxp4a: PU [0..1]
- + tpordp4a: Seconds [0..1]
- + tufiltp4a: Seconds [0..1]

IdentifiedObject
...LookupTable
- ...dLookupTableFunctionKind [0..1]

	+	output: Float [0..1]
1..*	+	sequence: Integer [0..1]

+WindDynamicsLookupTable

1..*

+WindDynamicsLookupTable

1..*