

PlcDouble Class

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll

Represents a [Double](#) value (in PLC a DOUBLE) its value defines a double-precision floating-point number.

C#

```
public class PlcDouble : PlcValue<double>, IPlcValue<double>, IPlcValue, IPlcSymbol,
IPlcEntity, IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable,
ISupportInitialize
```

Inheritance [Object](#) > [PlcValue<Double>](#) > [PlcDouble](#)

Implements [IPlcValue<Double>](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#),
[IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#)

Remarks

While a PLC value of this type represents a [Double](#) value, all PLC operations performed using this class are done using the [DWord](#). A PLC developer knows a value of this type as DOUBLE.

Constructors

Name	Description
PlcDouble(PlcDoubleType)	Initializes a new instance of the PlcDouble class using the specified type
PlcDouble(PlcDoubleType, Double)	Initializes a new instance of the PlcDouble class using the specified type and value .
PlcDouble(PlcDoubleType, PlcName)	Initializes a new instance of the PlcDouble class using the specified type and name .
PlcDouble(PlcDoubleType, PlcName, Double)	Initializes a new instance of the PlcDouble class using the specified type , name and value .
PlcDouble(PlcIdentity)	Initializes a new instance of the PlcDouble class using the specified identity
PlcDouble(PlcIdentity, Double)	Initializes a new instance of the PlcDouble class using the specified identity and value .
PlcDouble(PlcIdentity, PlcName)	Initializes a new instance of the PlcDouble class using the specified identity and name .
PlcDouble(PlcIdentity, PlcName, Double)	Initializes a new instance of the PlcDouble class using the specified identity , name and value .

Methods

Name	Description
GetValueCore(PlcDeviceConnection)	Retrieves the current value of the PLC value from a IPlcDevice using the connection specified.

Name	Description
<code>RelocateCore(PlcAddress)</code>	Relocates the value to the address specified.
<code>SetValueCore(PlcDeviceConnection, Double)</code>	Stores the value in the IPlcDevice assigned to the connection specified.

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