PlcNull Class

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll

Represents a logical null value which will not inferred with a PLC device.

C#

```
public sealed class PlcNull : IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider,
IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize
```

Inheritance Object › PlcNull

Implements IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize

Remarks

This specific implementation of the IPlcValue interface can be used to reserve PLC values by code or to align structural memory layouts.

Constructors

Name	Description
PlcNull(PlcAddress)	Initializes a new instance of the PlcNull class using the specified `address`.
PlcNull(PlcAddress, Int32)	Initializes a new instance of the PlcNull class using the specified `address` and `length`.

Properties

Name	Description
Description	Gets or sets more meaningful information about the value and its usage than only using the Name property.
Name	Gets the name of the value represented.
Tag	Gets or sets the object that contains additional user data about the value.
Type	Gets the type of value represented by the PLC value.

Methods

Name	Description
IsValidType(Object)	Determines whether a specified value is acceptable for this PlcNull.
IsValidValue(Object)	Determines whether the provided value is accepted for the type of PLC value through basic type checking and also potentially if it is within the allowed range of value for that type.
Relocate(Int32)	Relocates the PlcNull using the specified offset. The original PlcNull remains unmodified.

Name	Description
Relocate(Int32, Int32)	Relocates the PlcNull using the specified offset. The original PlcNull remains unmodified.
Relocate(Int32, Int32, Int32)	Relocates the PlcNull using the specified offset. The original PlcNull remains unmodified.
Relocate(PlcAddress)	Relocates the PlcNull using the specified `address`. The original PlcNull remains unmodified.
ToString	Converts the value to its string representation.
ValidateValue(Object)	Validates the specified `value` whether it can be assigned to this PlcValue´1.

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