PlcBoolean Class

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

Represents a Boolean value (in PLC a BOOL) its value is interpreted as a boolean expression.

C#

```
public class PlcBoolean : PlcValue<bool>, IPlcValue<bool>, IPlcValue, IPlcSymbol,
IPlcEntity, IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable,
ISupportInitialize
```

Inheritance Object › PlcValue<Boolean> › PlcBoolean

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

Remarks

While a PLC value of this type represents a Boolean value, all PLC operations performed using this class are done using the Bit. A PLC developer knows a value of this type as BOOL.

Constructors

Name	Description
PlcBoolean(PlcBooleanType)	Initializes a new instance of the PlcBoolean class using the specified `type`
PlcBoolean(PlcBooleanType, Boolean)	Initializes a new instance of the PlcBoolean class using the specified `type` and `value`.
PlcBoolean(PlcBooleanType, PlcName)	Initializes a new instance of the PlcBoolean class using the specified `type` and `name`.
PlcBoolean(PlcBooleanType, PlcName, Boolean)	Initializes a new instance of the PlcBoolean class using the specified `type`, `name` and `value`.
PlcBoolean(PlcIdentity)	Initializes a new instance of the PlcBoolean class using the specified `identity`
PlcBoolean(PlcIdentity, Boolean)	Initializes a new instance of the PlcBoolean class using the specified `identity` and `value`.
PlcBoolean(PlcIdentity, PlcName)	Initializes a new instance of the PlcBoolean class using the specified `identity` and `name`.
PlcBoolean(PlcIdentity, PlcName, Boolean)	Initializes a new instance of the PlcBoolean 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
RelocateCore(PlcAddress)	Relocates the value to the `address` specified.
SetValueCore(PlcDeviceConnection, Boolean)	Stores the `value` in the IPlcDevice assigned to the `connection` specified.

Table of Contents

Remarks 1
Constructors 1
Methods 1