

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

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