

PlcBooleanInfo Members

Namespace: IPS7Lnk.Advanced

Assemblies: IPS7LnkNet.Advanced.dll, IPS7LnkNet.Advanced.dll

The [PlcBooleanInfo](#) type exposes the following members.

Constructors

PlcBooleanInfo(PlcBooleanType, PlcName)

Initializes a new instance of the [PlcBooleanInfo](#) class using the specified **type** and **name**.

C#

```
public PlcBooleanInfo(PlcBooleanType type, PlcName name)
```

Parameters

type [PlcBooleanType](#)

The type of value member.

name [PlcName](#)

The name of the value member.

Exceptions

[ArgumentNullException](#)

The **type** or **name** is a null reference (Nothing in Visual Basic).

PlcBooleanInfo(PlcBooleanType, PlcName, Boolean)

Initializes a new instance of the [PlcBooleanInfo](#) class using the specified **type**, **name** and **initialValue**.

C#

```
public PlcBooleanInfo(PlcBooleanType type, PlcName name, bool initialValue)
```

Parameters

type [PlcBooleanType](#)

The type of value member.

name [PlcName](#)

The name of the value member.

initialValue [Boolean](#)

The initial value of the new [PlcBooleanInfo](#).

Exceptions

[ArgumentNullException](#)

The [type](#) or [name](#) is a null reference (Nothing in Visual Basic).

PlcBooleanInfo(PlcIdentity, PlcName)

Initializes a new instance of the [PlcBooleanInfo](#) class using the specified [identity](#) and [name](#).

C#

```
public PlcBooleanInfo(PlcIdentity identity, PlcName name)
```

Parameters

[identity](#) [PlcIdentity](#)

The [PlcIdentity](#) of the type of value member.

[name](#) [PlcName](#)

The name of the value member.

Exceptions

[ArgumentException](#)

The [identity](#) does not refer to the [Bit](#).

[ArgumentNullException](#)

The [identity](#) or [name](#) is a null reference (Nothing in Visual Basic).

PlcBooleanInfo(PlcIdentity, PlcName, Boolean)

Initializes a new instance of the [PlcBooleanInfo](#) class using the specified [identity](#), [name](#) and [initialValue](#).

C#

```
public PlcBooleanInfo(PlcIdentity identity, PlcName name, bool initialValue)
```

Parameters

[identity](#) [PlcIdentity](#)

The [PlcIdentity](#) of the type of value member.

[name](#) [PlcName](#)

The name of the value member.

`initialValue` `Boolean`

The initial value of the new `PlcBooleanInfo`.

Exceptions

`ArgumentException`

The `identity` does not refer to the `Bit`.

`ArgumentNullException`

The `identity`, or `name` is a null reference (Nothing in Visual Basic).

PlcBooleanInfo(PlcName)

Initializes a new instance of the `PlcBooleanInfo` class using the specified `name`

C#

```
public PlcBooleanInfo(PlcName name)
```

Parameters

`name` `PlcName`

The name of the value member.

Exceptions

`ArgumentNullException`

The `name` is a null reference (Nothing in Visual Basic).

PlcBooleanInfo(PlcName, Boolean)

Initializes a new instance of the `PlcBooleanInfo` class using the specified `name` and `initialValue`.

C#

```
public PlcBooleanInfo(PlcName name, bool initialValue)
```

Parameters

`name` `PlcName`

The name of the value member.

`initialValue` `Boolean`

The initial value of the new `PlcBooleanInfo`.

Exceptions

ArgumentNullException

The `name` is a null reference (Nothing in Visual Basic).

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcBooleanInfo](#) as an absolute addressable PLC data member.

C#

```
public override IPlcMemberInfo MakeAbsoluteMember(PlcIdentity identity)
```

Parameters

`identity` [PlcIdentity](#)

The [PlcIdentity](#) to use to define the absolute location. This identity is used to define the basis starting from that the member is located.

Returns

[IPlcMemberInfo](#)

In case there `IsAbsolute` is equals true the reference to this member; otherwise a new instance of the member which refers to an absolute [PlcType](#).

Exceptions

[ArgumentException](#)

The `identity` specified does not provide the necessary information required to address the type of data.

[ArgumentNullException](#)

The `identity` is a null reference (Nothing in Visual Basic).

RelocateCore(PlcType)

Relocates the member to the `type` specified.

C#

```
protected override PlcMemberInfo RelocateCore(PlcType type)
```

Parameters

`type` [PlcType](#)

The **PlcType** to that the member is to be relocated.

Returns

PlcMemberInfo

A new instance of the same type as this PLC member instance relocated to the **type** specified.

Table of Contents

Constructors	1
PlcBooleanInfo(PlcBooleanType, PlcName)	1
PlcBooleanInfo(PlcBooleanType, PlcName, Boolean)	1
PlcBooleanInfo(PlcIdentity, PlcName)	2
PlcBooleanInfo(PlcIdentity, PlcName, Boolean)	2
PlcBooleanInfo(PlcName)	3
PlcBooleanInfo(PlcName, Boolean)	3
Methods	4
MakeAbsoluteMember(PlcIdentity)	4
RelocateCore(PlcType)	4