

PlcCharInfo Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcCharInfo(PlcCharType, PlcName)

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

C#

```
public PlcCharInfo(PlcCharType type, PlcName name)
```

Parameters

type [PlcCharType](#)

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).

PlcCharInfo(PlcCharType, PlcName, Char)

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

C#

```
public PlcCharInfo(PlcCharType type, PlcName name, char initialValue)
```

Parameters

type [PlcCharType](#)

The type of value member.

name [PlcName](#)

The name of the value member.

initialValue [Char](#)

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

Exceptions

[ArgumentNullException](#)

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

PlcCharInfo(PlcIdentity, PlcName)

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

C#

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

Parameters

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

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

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

The name of the value member.

Exceptions

[ArgumentNullException](#)

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

PlcCharInfo(PlcIdentity, PlcName, Char)

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

C#

```
public PlcCharInfo(PlcIdentity identity, PlcName name, char initialValue)
```

Parameters

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

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

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

The name of the value member.

[initialValue](#) [Char](#)

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

Exceptions

ArgumentException

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

ArgumentNullException

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

PlcCharInfo(PlcName)

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

C#

```
public PlcCharInfo(PlcName name)
```

Parameters

`name` `PlcName`

The name of the value member.

Exceptions

ArgumentNullException

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

PlcCharInfo(PlcName, Char)

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

C#

```
public PlcCharInfo(PlcName name, char initialValue)
```

Parameters

`name` `PlcName`

The name of the value member.

`initialValue` `Char`

The initial value of the new `PlcCharInfo`.

Exceptions

ArgumentNullException

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

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcCharInfo](#) 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.

ToString()

Retrieves the string representation of the [PlcStringInfo](#).

C#

```
public override string ToString()
```

Returns

String

The string representation of the [PlcStringInfo](#).

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