

PlcCharArrayInfo Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcCharArrayInfo(PlcCharArrayType, PlcName)

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

C#

```
public PlcCharArrayInfo(PlcCharArrayType type, PlcName name)
```

Parameters

type [PlcCharArrayType](#)

The type of array member.

name [PlcName](#)

The name of the array member.

Exceptions

[ArgumentException](#)

The **type** is not a one dimensional array type.

[ArgumentNullException](#)

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

PlcCharArrayInfo(PlcIdentity, PlcName, Int32)

Initializes a new instance of the [PlcCharArrayInfo](#) class using the specified **identity**, **name** and **length**.

C#

```
public PlcCharArrayInfo(PlcIdentity identity, PlcName name, int length)
```

Parameters

identity [PlcIdentity](#)

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

name [PlcName](#)

The name of the array member.

length **Int32**

The length of the array member.

Exceptions

[ArgumentException](#)

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

[ArgumentNullException](#)

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

[ArgumentOutOfRangeException](#)

The **length** is out of the bounds defined by **MinLength** and **MaxLength**.

PlcCharArrayInfo(PlcName, Int32)

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

C#

```
public PlcCharArrayInfo(PlcName name, int length)
```

Parameters

name **PlcName**

The name of the array member.

length **Int32**

The length of the array member.

Exceptions

[ArgumentNullException](#)

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

[ArgumentOutOfRangeException](#)

The **length** is out of the bounds defined by **MinLength** and **MaxLength**.

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcCharArrayInfo](#) 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 IPlcMemberInfo RelocateCore(PlcType type)
```

Parameters

type PlcType

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

Returns

IPlcMemberInfo

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

Table of Contents

Constructors	1
PlcCharArrayInfo(PlcCharArrayType, PlcName)	1
PlcCharArrayInfo(PlcIdentity, PlcName, Int32)	1
PlcCharArrayInfo(PlcName, Int32)	2
Methods	2
MakeAbsoluteMember(PlcIdentity)	2
RelocateCore(PlcType)	3