

PlcInt16ArrayInfo Members

Namespace: IPS7Lnk.Advanced

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

The [PlcInt16ArrayInfo](#) type exposes the following members.

Constructors

PlcInt16ArrayInfo(PlcIdentity, PlcName, Int32)

Initializes a new instance of the [PlcInt16ArrayInfo](#) class using the specified [identity](#), [name](#) and [length](#).

C#

```
public PlcInt16ArrayInfo(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 [Word](#).

[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](#).

PlcInt16ArrayInfo(PlcInt16ArrayType, PlcName)

Initializes a new instance of the [PlcInt16ArrayInfo](#) class using the specified [type](#) and [name](#).

C#

```
public PlcInt16ArrayInfo(PlcInt16ArrayType type, PlcName name)
```

Parameters

type [PlcInt16ArrayType](#)

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).

PlcInt16ArrayInfo(PlcName, Int32)

Initializes a new instance of the [PlcInt16ArrayInfo](#) class using the specified **name** and **length**.

C#

```
public PlcInt16ArrayInfo(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 [PlcInt16ArrayInfo](#) 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.

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