PlcInt16Info Members

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll, IPS7LnkNet.Advanced.dll
The PlcInt16Info type exposes the following members.

Constructors

PlcInt16Info(PlcIdentity, PlcName)

Initializes a new instance of the PlcInt16Info class using the specified `identity` and `name`.

C#

```
public PlcInt16Info(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 Word.

ArgumentNullException

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

PlcInt16Info(PlcIdentity, PlcName, Int16)

Initializes a new instance of the PlcInt16Info class using the specified `identity`, `name` and `initialValue`.

C#

```
public PlcInt16Info(PlcIdentity identity, PlcName name, short initialValue)
```

Parameters

`identity` PlcIdentity

The PlcIdentity of the type of value member.

`name` PlcName

The name of the value member.

`initialValue` Int16

The initial value of the new PlcInt16Info.

Exceptions

ArgumentException

The `identity` does not refer to the Word.

ArgumentNullException

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

PlcInt16Info(PlcInt16Type, PlcName)

Initializes a new instance of the PlcInt16Info class using the specified `type` and `name`.

C#

```
public PlcInt16Info(PlcInt16Type type, PlcName name)
```

Parameters

`type` PlcInt16Type

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).

PlcInt16Info(PlcInt16Type, PlcName, Int16)

Initializes a new instance of the PlcInt16Info class using the specified `type`, `name` and `initialValue`.

C#

```
public PlcInt16Info(PlcInt16Type type, PlcName name, short initialValue)
```

Parameters

`type` PlcInt16Type

The type of value member.

`name` PlcName

The name of the value member.

`initialValue` Int16

The initial value of the new PlcInt16Info.

Exceptions

ArgumentNullException

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

PlcInt16Info(PlcName)

Initializes a new instance of the PlcInt16Info class using the specified `name`

C#

```
public PlcInt16Info(PlcName name)
```

Parameters

`name` PlcName

The name of the value member.

Exceptions

ArgumentNullException

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

PlcInt16Info(PlcName, Int16)

Initializes a new instance of the PlcInt16Info class using the specified `name` and `initialValue`.

C#

```
public PlcInt16Info(PlcName name, short initialValue)
```

Parameters

`name` PlcName

The name of the value member.

`initialValue` Int16

The initial value of the new PlcInt16Info.

Exceptions

ArgumentNullException

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

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the PlcInt16Info 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 be 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.

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