

PlcByteInfo Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcByteInfo(PlcByteType, PlcName)

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

C#

```
public PlcByteInfo(PlcByteType type, PlcName name)
```

Parameters

type [PlcByteType](#)

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).

PlcByteInfo(PlcByteType, PlcName, Byte)

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

C#

```
public PlcByteInfo(PlcByteType type, PlcName name, byte initialValue)
```

Parameters

type [PlcByteType](#)

The type of value member.

name [PlcName](#)

The name of the value member.

initialValue [Byte](#)

The initial value of the new `PlcByteInfo`.

Exceptions

`ArgumentNullException`

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

`PlcByteInfo(PlcIdentity, PlcName)`

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

C#

```
public PlcByteInfo(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 `Byte`.

`ArgumentNullException`

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

`PlcByteInfo(PlcIdentity, PlcName, Byte)`

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

C#

```
public PlcByteInfo(PlcIdentity identity, PlcName name, byte initialValue)
```

Parameters

`identity` `PlcIdentity`

The `PlcIdentity` of the type of value member.

`name` `PlcName`

The name of the value member.

initialValue **Byte**

The initial value of the new **PlcByteInfo**.

Exceptions

ArgumentException

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

ArgumentNullException

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

PlcByteInfo(PlcName)

Initializes a new instance of the **PlcByteInfo** class using the specified **name**

C#

```
public PlcByteInfo(PlcName name)
```

Parameters

name **PlcName**

The name of the value member.

Exceptions

ArgumentNullException

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

PlcByteInfo(PlcName, Byte)

Initializes a new instance of the **PlcByteInfo** class using the specified **name** and **initialValue**.

C#

```
public PlcByteInfo(PlcName name, byte initialValue)
```

Parameters

name **PlcName**

The name of the value member.

initialValue **Byte**

The initial value of the new **PlcByteInfo**.

Exceptions

ArgumentNullException

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

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcByteInfo](#) 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.

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