

PlcBooleanArrayInfo Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcBooleanArrayInfo(PlcBooleanArrayType, PlcName)

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

C#

```
public PlcBooleanArrayInfo(PlcBooleanArrayType type, PlcName name)
```

Parameters

`type` [PlcBooleanArrayType](#)

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).

PlcBooleanArrayInfo(PlcIdentity, PlcName, Int32)

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

C#

```
public PlcBooleanArrayInfo(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 `Bit`.

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`.

PlcBooleanArrayInfo(PlcName, Int32)

Initializes a new instance of the `PlcBooleanArrayInfo` class using the specified `name` and `length`.

C#

```
public PlcBooleanArrayInfo(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 `PlcBooleanArrayInfo` 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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