

PlcBooleanArrayType Members

Namespace: IPS7Lnk.Advanced

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

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

Properties

DefaultValue

Gets the type dependent default value which can be assigned to an entity of the type represented.

C#

```
public override object DefaultValue { get; }
```

Property Value

[Object](#)

The type dependent default value.

Methods

CreateEntity()

Creates a new [IPlcEntity](#) object which represents a concrete accessible entity of this [PlcType](#).

C#

```
public override IPlcEntity CreateEntity()
```

Returns

[IPlcEntity](#)

An instance implementing the [IPlcEntity](#) interface its [Type](#) property does refer to this [PlcType](#).

Exceptions

[NotSupportedException](#)

This pure [PlcType](#) instance can't create an entity, because it is an abstract type representation.

Of(Int32)

Retrieves the according [PlcBooleanArrayType](#) which matches the supplied type metadata.

C#

```
public static PlcBooleanArrayType Of(int length)
```

Parameters

length [Int32](#)

The maximum length used to store a [PlcBooleanArrayType](#) value.

Returns

[PlcBooleanArrayType](#)

The [PlcBooleanArrayType](#) which matches with the characteristics supplied.

Exceptions

[ArgumentOutOfRangeException](#)

The **length** is out of the bounds defined by [MinLength](#) and [MaxLength](#).

Of(PlcIdentity, Int32)

Retrieves the according [PlcBooleanArrayType](#) which matches the supplied type metadata.

C#

```
public static PlcBooleanArrayType Of(PlcIdentity identity, int length)
```

Parameters

identity [PlcIdentity](#)

The [PlcIdentity](#) to which the [PlcBooleanArrayType](#) does refer.

length [Int32](#)

The maximum length used to store a [PlcBooleanArrayType](#) value.

Returns

[PlcBooleanArrayType](#)

The [PlcBooleanArrayType](#) which matches with the characteristics supplied.

Exceptions

ArgumentException

The `identity` does not provide the necessary information required to address the type of data.

ArgumentNullException

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

ArgumentOutOfRangeException

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

Of(PlcIdentity, PlcName, Int32)

Retrieves the according `PlcBooleanArrayType` which matches the supplied type metadata.

C#

```
public static PlcBooleanArrayType Of(PlcIdentity identity, PlcName name, int length)
```

Parameters

`identity` `PlcIdentity`

The `PlcIdentity` to which the `PlcBooleanArrayType` does refer.

`name` `PlcName`

The `PlcName` of the `PlcType`.

`length` `Int32`

The maximum length used to store a `PlcBooleanArrayType` value.

Returns

`PlcBooleanArrayType`

The `PlcBooleanArrayType` which matches with the characteristics supplied.

Exceptions

ArgumentException

The `identity` does not provide the necessary information required to address the type of data.

ArgumentNullException

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

ArgumentOutOfRangeException

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

Table of Contents

Properties	1
DefaultValue	1
Methods	1
CreateEntity()	1
Of(Int32)	2
Of(PlcIdentity, Int32)	2
Of(PlcIdentity, PlcName, Int32)	3