

PlcRealType Members

Namespace: IPS7Lnk.Advanced

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

The [PlcRealType](#) 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.

Relative

Gets the relative type declaration of type.

C#

```
public static PlcRealType Relative { get; }
```

Property Value

[PlcRealType](#)

The relative [PlcRealType](#).

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(PlcIdentity)

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

C#

```
public static PlcRealType Of(PlcIdentity identity)
```

Parameters

identity [PlcIdentity](#)

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

Returns

[PlcRealType](#)

The [PlcRealType](#) 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).

Of(PlcIdentity, PlcName)

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

C#

```
public static PlcRealType Of(PlcIdentity identity, PlcName name)
```

Parameters

identity PlcIdentity

The PlcIdentity to which the PlcRealType does refer.

name PlcName

The PlcName of the PlcType.

Returns

PlcRealType

The PlcRealType 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).

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