

PlcDateType Members

Namespace: IPS7Lnk.Advanced

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

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

Fields

MaxValue

Represents the largest possible value of a [PlcDateType](#).

C#

```
public static readonly DateTime MaxValue
```

Field Value

[DateTime](#)

Remarks

The according PLC value would be: D#2168-12-31.

MinValue

Represents the smallest possible value of a [PlcDateType](#).

C#

```
public static readonly DateTime MinValue
```

Field Value

[DateTime](#)

Remarks

The according PLC value would be: D#1990-1-1.

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 PlcDataType Relative { get; }
```

Property Value

[PlcDataType](#)

The relative [PlcDataType](#).

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 [PlcDataType](#) which matches the supplied type metadata.

C#

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

Parameters

identity [PlcIdentity](#)

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

Returns

[PlcDataType](#)

The [PlcDataType](#) 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 [PlcDataType](#) which matches the supplied type metadata.

C#

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

Parameters

identity [PlcIdentity](#)

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

name [PlcName](#)

The [PlcName](#) of the [PlcType](#).

Returns

[PlcDataType](#)

The [PlcDataType](#) 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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