PlcS5TimeType Members

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll, IPS7LnkNet.Advanced.dll
The PlcS5TimeType type exposes the following members.

Fields

MaxValue

Represents the largest possible value of a PlcS5TimeType.

C#

```
public static readonly TimeSpan MaxValue
```

Field Value
TimeSpan

Remarks

The according PLC value would be: S5T#2H_46M_30S_00MS.

MinValue

Represents the smallest possible value of a PlcS5TimeType.

C#

```
public static readonly TimeSpan MinValue
```

Field Value
TimeSpan

Remarks

The according PLC value would be: S5T#00H_00M_00S_00MS.

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 PlcS5TimeType Relative { get; }
```

Property Value

PlcS5TimeType

The relative PlcS5TimeType.

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 PlcS5TimeType which matches the supplied type metadata.

C#

```
public static PlcS5TimeType Of(PlcIdentity identity)
```

Parameters

`identity` PlcIdentity

The PlcIdentity to which the PlcS5TimeType does refer.

Returns

PlcS5TimeType

The PlcS5TimeType 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 PlcS5TimeType which matches the supplied type metadata.

C#

```
public static PlcS5TimeType Of(PlcIdentity identity, PlcName name)
```

Parameters

`identity` PlcIdentity

The PlcIdentity to which the PlcS5TimeType does refer.

`name` PlcName

The PlcName of the PlcType.

Returns

PlcS5TimeType

The PlcS5TimeType 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).

Table of Contents

Fields 1
MaxValue 1
MinValue 1
Properties 1
DefaultValue 1
Relative 2
Methods 2
CreateEntity() 2
Of(PlcIdentity) 2
Of(PlcIdentity, PlcName) 3