

PlcS5TimeInfo Members

Namespace: IPS7Lnk.Advanced

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

The [PlcS5TimeInfo](#) type exposes the following members.

Constructors

PlcS5TimeInfo(PlcIdentity, PlcName)

Initializes a new instance of the [PlcS5TimeInfo](#) class using the specified [identity](#) and [name](#).

C#

```
public PlcS5TimeInfo(PlcIdentity identity, PlcName name)
```

Parameters

[identity](#) [PlcIdentity](#)

The [PlcIdentity](#) of the type of value member.

[name](#) [PlcName](#)

The name of the value member.

Exceptions

[ArgumentException](#)

The [identity](#) does not refer to the [Word](#).

[ArgumentNullException](#)

The [identity](#) or [name](#) is a null reference (Nothing in Visual Basic).

PlcS5TimeInfo(PlcIdentity, PlcName, TimeSpan)

Initializes a new instance of the [PlcS5TimeInfo](#) class using the specified [identity](#), [name](#) and [initialValue](#).

C#

```
public PlcS5TimeInfo(PlcIdentity identity, PlcName name, TimeSpan initialValue)
```

Parameters

[identity](#) [PlcIdentity](#)

The [PlcIdentity](#) of the type of value member.

name PlcName

The name of the value member.

initialValue TimeSpan

The initial value of the new PlcS5TimeInfo.

Exceptions

[ArgumentException](#)

The **identity** does not refer to the [Word](#).

[ArgumentNullException](#)

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

[ArgumentOutOfRangeException](#)

The **initialValue** is out of the bounds defined by [MinValue](#) and [MaxValue](#).

PlcS5TimeInfo(PlcName)

Initializes a new instance of the [PlcS5TimeInfo](#) class using the specified **name**

C#

```
public PlcS5TimeInfo(PlcName name)
```

Parameters

name PlcName

The name of the value member.

Exceptions

[ArgumentNullException](#)

The **name** is a null reference (Nothing in Visual Basic).

PlcS5TimeInfo(PlcName, TimeSpan)

Initializes a new instance of the [PlcS5TimeInfo](#) class using the specified **name** and **initialValue**.

C#

```
public PlcS5TimeInfo(PlcName name, TimeSpan initialValue)
```

Parameters

name PlcName

The name of the value member.

`initialValue` `TimeSpan`

The initial value of the new `PlcS5TimeInfo`.

Exceptions

`ArgumentNullException`

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

`ArgumentOutOfRangeException`

The `initialValue` is out of the bounds defined by `MinValue` and `MaxValue`.

PlcS5TimeInfo(PlcS5TimeType, PlcName)

Initializes a new instance of the `PlcS5TimeInfo` class using the specified `type` and `name`.

C#

```
public PlcS5TimeInfo(PlcS5TimeType type, PlcName name)
```

Parameters

`type` `PlcS5TimeType`

The type of value member.

`name` `PlcName`

The name of the value member.

Exceptions

`ArgumentNullException`

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

PlcS5TimeInfo(PlcS5TimeType, PlcName, TimeSpan)

Initializes a new instance of the `PlcS5TimeInfo` class using the specified `type`, `name` and `initialValue`.

C#

```
public PlcS5TimeInfo(PlcS5TimeType type, PlcName name, TimeSpan initialValue)
```

Parameters

`type` `PlcS5TimeType`

The type of value member.

name `PlcName`

The name of the value member.

initialValue `TimeSpan`

The initial value of the new `PlcS5TimeInfo`.

Exceptions

`ArgumentNullException`

The **type** or **name** is a null reference (Nothing in Visual Basic).

`ArgumentOutOfRangeException`

The **initialValue** is out of the bounds defined by `MinValue` and `MaxValue`.

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the `PlcS5TimeInfo` 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.

Table of Contents

Constructors	1
PlcS5TimeInfo(PlcIdentity, PlcName)	1
PlcS5TimeInfo(PlcIdentity, PlcName, TimeSpan)	1
PlcS5TimeInfo(PlcName)	2
PlcS5TimeInfo(PlcName, TimeSpan)	2
PlcS5TimeInfo(PlcS5TimeType, PlcName)	3
PlcS5TimeInfo(PlcS5TimeType, PlcName, TimeSpan)	3
Methods	4
MakeAbsoluteMember(PlcIdentity)	4
RelocateCore(PlcType)	5