

PlcTimeInfo Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcTimeInfo(PlcIdentity, PlcName)

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

C#

```
public PlcTimeInfo(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 [DWord](#).

[ArgumentNullException](#)

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

PlcTimeInfo(PlcIdentity, PlcName, TimeSpan)

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

C#

```
public PlcTimeInfo(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 `PlcTimeInfo`.

Exceptions

`ArgumentException`

The `identity` does not refer to the `DWord`.

`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`.

PlcTimeInfo(PlcName)

Initializes a new instance of the `PlcTimeInfo` class using the specified `name`

C#

```
public PlcTimeInfo(PlcName name)
```

Parameters

`name` `PlcName`

The name of the value member.

Exceptions

`ArgumentNullException`

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

PlcTimeInfo(PlcName, TimeSpan)

Initializes a new instance of the `PlcTimeInfo` class using the specified `name` and `initialValue`.

C#

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

Parameters

`name` `PlcName`

The name of the value member.

`initialValue` `TimeSpan`

The initial value of the new `PlcTimeInfo`.

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`.

PlcTimeInfo(PlcTimeType, PlcName)

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

C#

```
public PlcTimeInfo(PlcTimeType type, PlcName name)
```

Parameters

`type` `PlcTimeType`

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).

PlcTimeInfo(PlcTimeType, PlcName, TimeSpan)

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

C#

```
public PlcTimeInfo(PlcTimeType type, PlcName name, TimeSpan initialValue)
```

Parameters

`type` `PlcTimeType`

The type of value member.

`name` `PlcName`

The name of the value member.

`initialValue` `TimeSpan`

The initial value of the new `PlcTimeInfo`.

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 `PlcTimeInfo` 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.

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