PlcDateInfo Members

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

Constructors

PlcDateInfo(PlcDateType, PlcName)

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

C#

```
public PlcDateInfo(PlcDateType type, PlcName name)
```

Parameters

`type` PlcDateType

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).

PlcDateInfo(PlcDateType, PlcName, DateTime)

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

C#

```
public PlcDateInfo(PlcDateType type, PlcName name, DateTime initialValue)
```

Parameters

`type` PlcDateType

The type of value member.

`name` PlcName

The name of the value member.

`initialValue` DateTime

The initial value of the new PlcDateInfo.

Exceptions

ArgumentNullException

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

ArgumentOutOfRangeException

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

PlcDateInfo(PlcIdentity, PlcName)

Initializes a new instance of the PlcDateInfo class using the specified `identity` and `name`.

C#

```
public PlcDateInfo(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).

PlcDateInfo(PlcIdentity, PlcName, DateTime)

Initializes a new instance of the PlcDateInfo class using the specified `identity`, `name` and `initialValue`.

C#

```
public PlcDateInfo(PlcIdentity identity, PlcName name, DateTime initialValue)
```

Parameters

`identity` PlcIdentity

The PlcIdentity of the type of value member.

`name` PlcName

The name of the value member.

`initialValue` DateTime

The initial value of the new PlcDateInfo.

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.

PlcDateInfo(PlcName)

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

C#

```
public PlcDateInfo(PlcName name)
```

Parameters

`name` PlcName

The name of the value member.

Exceptions

ArgumentNullException

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

PlcDateInfo(PlcName, DateTime)

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

C#

```
public PlcDateInfo(PlcName name, DateTime initialValue)
```

Parameters

`name` PlcName

The name of the value member.

`initialValue` DateTime

The initial value of the new PlcDateInfo.

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.

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the PlcDateInfo 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 be 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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