

PlcObjectInfo Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcObjectInfo(PlcName, PlcObjectType)

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

C#

```
public PlcObjectInfo(PlcName name, PlcObjectType type)
```

Parameters

name [PlcName](#)

The name of the member.

type [PlcObjectType](#)

The type of the member.

Exceptions

[ArgumentNullException](#)

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

PlcObjectInfo(PlcName, PlcTypeLayout, IEnumerable<IPlcMemberInfo>)

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

C#

```
public PlcObjectInfo(PlcName name, PlcTypeLayout layout, IEnumerable<IPlcMemberInfo> members)
```

Parameters

name [PlcName](#)

The name of the member.

layout [PlcTypeLayout](#)

An instance of the [PlcTypeLayout](#) class which provides the characteristics to use to absolutely align the [members](#).

[members](#) [IEnumerable<IPlcMemberInfo>](#)

The [IPlcMemberInfo](#) objects which are to be associated with the [PlcObjectType](#) of the member.

Exceptions

[ArgumentNullException](#)

The [name](#), [layout](#) or [members](#) or one of its items is a null reference (Nothing in Visual Basic).

PlcObjectInfo(PlcName, PlcTypeLayout, IPlcMemberInfo[])

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

C#

```
public PlcObjectInfo(PlcName name, PlcTypeLayout layout, params IPlcMemberInfo[] members)
```

Parameters

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

The name of the member.

[layout](#) [PlcTypeLayout](#)

An instance of the [PlcTypeLayout](#) class which provides the characteristics to use to absolutely align the [members](#).

[members](#) [IPlcMemberInfo\[\]](#)

The [IPlcMemberInfo](#) objects which are to be associated with the [PlcObjectType](#) of the member.

Exceptions

[ArgumentNullException](#)

The [name](#), [layout](#) or [members](#) or one of its items is a null reference (Nothing in Visual Basic).

Methods

MakeAbsoluteMember(PlcIdentity)

Retrieves the [PlcObjectInfo](#) 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
PlcObjectInfo(PlcName, PlcObjectType)	1
PlcObjectInfo(PlcName, PlcTypeLayout, IEnumerable<IPlcMemberInfo>)	1
PlcObjectInfo(PlcName, PlcTypeLayout, IPlcMemberInfo[])	2
Methods	2
MakeAbsoluteMember(PlcIdentity)	2
RelocateCore(PlcType)	3