

PlcStatus Members

Namespace: IPS7Lnk.Advanced

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

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

Constructors

PlcStatus()

Initializes a new instance of the [PlcStatus](#) class.

C#

```
public PlcStatus()
```

Events

Changed

Occurs when the [PlcStatus](#) changed.

C#

```
public event EventHandler Changed
```

Properties

Code

Gets the recent code of the status represented.

C#

```
public PlcStatusCode Code { get; }
```

Property Value

[PlcStatusCode](#)

One of the members defined by the [PlcStatusCode](#) enumeration. Which specifies the concrete type of status represented.

Exception

Gets the [PlcException](#) which is thrown in case there the evaluation of the [PlcStatus](#) does indicate an exceptional situation.

C#

```
public PlcException Exception { get; }
```

Property Value

[PlcException](#)

An instance of the [PlcException](#) class initialized according to the current state of this [PlcStatus](#).

InnerException

Gets the [Exception](#) which occurred during the most recent operation.

C#

```
public Exception InnerException { get; }
```

Property Value

[Exception](#)

The [Exception](#) which occurred during the most recent operation.

SocketCode

Gets the code of the recent socket operation performed its status is represented.

C#

```
public int SocketCode { get; }
```

Property Value

[Int32](#)

The code of the recent socket operation performed its status is represented.

Text

Gets the string representation of the [Code](#).

C#

```
public string Text { get; }
```

Property Value

String

The string representation of the [Code](#). These [String](#) value describes the status in a more meaningful way as the [Code](#) does.

TimeStamp

Gets the date and time of the most recent update of the status data provided by this [PlcStatus](#).

C#

```
public DateTime TimeStamp { get; }
```

Property Value

DateTime

The [DateTime](#) of the most recent metadata update.

Type

Gets the [PlcType](#) affected by the most recent operation.

C#

```
public PlcType Type { get; }
```

Property Value

PlcType

The [PlcType](#) affected by the most recent operation.

Methods

GetText(PlcStatusCode)

Retrieves a meaningful string value which describes the status represented by the [code](#).

C#

```
public static string GetText(PlcStatusCode code)
```

Parameters

[code](#) [PlcStatusCode](#)

The [PlcStatusCode](#) its textual description is to be retrieved.

Returns

String

A meaningful string value which describes the `code`.

GetText(PlcStatusCode, Int32)

Retrieves a meaningful string value which describes the status represented by the `code` and `socketCode`.

C#

```
public static string GetText(PlcStatusCode code, int socketCode)
```

Parameters

`code` [PlcStatusCode](#)

The [PlcStatusCode](#) its textual description is to be retrieved.

`socketCode` [Int32](#)

The code of the socket operation which ended with the `code`.

Returns

String

A meaningful string value which describes the `code` and `socketCode`.

GetText(PlcStatusCode, Int32, PlcType)

Retrieves a meaningful string value which describes the status represented by the `code`, `socketCode` and `type`.

C#

```
public static string GetText(PlcStatusCode code, int socketCode, PlcType type)
```

Parameters

`code` [PlcStatusCode](#)

The [PlcStatusCode](#) its textual description is to be retrieved.

`socketCode` [Int32](#)

The code of the socket operation which ended with the `code`.

`type` [PlcType](#)

The [PlcType](#) which was affected by the operation its status text is to be retrieved.

Returns

String

A meaningful string value which describes the `code` and `socketCode`.

OnChanged(EventArgs)

Raises the `Changed` event.

C#

```
protected virtual void OnChanged(EventArgs e)
```

Parameters

`e` `EventArgs`

The `EventArgs` that contains the event data.

ToString()

Returns a string that represents the `PlcStatus`.

C#

```
public override string ToString()
```

Returns

`String`

A string that represents the `PlcStatus`.

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