

PlcRawTypes Members

Namespace: IPS7Lnk.Advanced

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

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

Fields

Bit

Specifies the string representation of the bit raw type.

C#

```
public const string Bit = "X"
```

Field Value

[String](#)

Byte

Specifies the string representation of the byte raw type.

C#

```
public const string Byte = "B"
```

Field Value

[String](#)

DWord

Specifies the string representation of the double word raw type.

C#

```
public const string DWord = "D"
```

Field Value

[String](#)

Word

Specifies the string representation of the word raw type.

C#

```
public const string Word = "W"
```

Field Value

String

Methods

GetChar(PlcRawType)

Retrieves the according character representation which matches the specified **value**.

C#

```
public static char GetChar(PlcRawType value)
```

Parameters

value PlcRawType

The **PlcRawType** its character representation is to be retrieved.

Returns

Char

The character representation of the **value** specified.

Exceptions

ArgumentException

The according character representation could not be retrieved.

GetRawType(Char)

Retrieves the according **PlcRawType** value which matches the specified **value**.

C#

```
public static PlcRawType GetRawType(char value)
```

Parameters

value Char

The character representation of the **PlcRawType** to retrieve.

Returns

PlcRawType

The according PlcRawType value of the value specified.

Exceptions

ArgumentException

The according PlcRawType could not be retrieved.

GetRawType(String)

Retrieves the according PlcRawType value which matches the specified value.

C#

```
public static PlcRawType GetRawType(string value)
```

Parameters

value String

The string representation of the PlcRawType to retrieve.

Returns

PlcRawType

The according PlcRawType value of the value specified.

Exceptions

ArgumentException

The value is equal to Empty or the according PlcRawType could not be retrieved.

ArgumentNullException

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

GetSize(PlcRawType)

Retrieves the according size in bytes of the specified value.

C#

```
public static int GetSize(PlcRawType value)
```

Parameters

value `PlcRawType`

The `PlcRawType` its size is to be retrieved.

Returns

`Int32`

The according size (in bytes) of the **value** specified.

Exceptions

`ArgumentException`

The according size could not be retrieved.

GetSize(`PlcRawType`, `Boolean`)

Retrieves the according size (optionally in bytes or bits) of the specified **value**.

C#

```
public static int GetSize(PlcRawType value, bool inBytes)
```

Parameters

value `PlcRawType`

The `PlcRawType` its size is to be retrieved.

inBytes `Boolean`

The value true, to retrieve the size of **value** in bytes; otherwise the value false to retrieve the size in bits.

Returns

`Int32`

The according size either in bytes or in bits of the **value** specified.

Exceptions

`ArgumentException`

The according size could not be retrieved.

GetString(PlcRawType)

Retrieves the according string representation which matches the specified **value**.

C#

```
public static string GetString(PlcRawType value)
```

Parameters

value [PlcRawType](#)

The [PlcRawType](#) its string representation is to be retrieved.

Returns

[String](#)

The string representation of the **value**.

Exceptions

[ArgumentException](#)

The according string representation could not be retrieved.

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