

# PlcChar Class

**Namespace:** IPS7Lnk.Advanced

**Assemblies:** IPS7LnkNet.Advanced.dll

Represents a [Char](#) value (in PLC a CHAR) its value defines a single character.

**C#**

```
public class PlcChar : PlcValue<char>, IPlcValue<char>, IPlcValue, IPlcSymbol, IPlcEntity,
IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize
```

**Inheritance** [Object](#) > [PlcValue<Char>](#) > [PlcChar](#)

**Implements** [IPlcValue<Char>](#), [IPlcValue](#), [IPlcSymbol](#), [IPlcEntity](#), [IPlcStatusProvider](#),  
[IPlcRelocatable<IPlcValue>](#), [IPlcRelocatable](#), [ISupportInitialize](#)

## Remarks

A PLC value of this type will be directly used by all PLC operations performed through interpreting the [Char](#) as a [Byte](#) value using the [Byte](#) A PLC developer knows a value of this type as CHAR.

## Constructors

Name	Description
<a href="#">PlcChar(PlcCharType)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">type</a>
<a href="#">PlcChar(PlcCharType, Char)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">type</a> and <a href="#">value</a> .
<a href="#">PlcChar(PlcCharType, PlcName)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">type</a> and <a href="#">name</a> .
<a href="#">PlcChar(PlcCharType, PlcName, Char)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">type</a> , <a href="#">name</a> and <a href="#">value</a> .
<a href="#">PlcChar(PlcIdentity)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">identity</a>
<a href="#">PlcChar(PlcIdentity, Char)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">identity</a> and <a href="#">value</a> .
<a href="#">PlcChar(PlcIdentity, PlcName)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">identity</a> and <a href="#">name</a> .
<a href="#">PlcChar(PlcIdentity, PlcName, Char)</a>	Initializes a new instance of the <a href="#">PlcChar</a> class using the specified <a href="#">identity</a> , <a href="#">name</a> and <a href="#">value</a> .

## Methods

Name	Description
<a href="#">GetValueCore(PlcDeviceConnection)</a>	Retrieves the current value of the PLC value from a <a href="#">IPlcDevice</a> using the <a href="#">connection</a> specified.
<a href="#">RelocateCore(PlcAddress)</a>	Relocates the value to the <a href="#">address</a> specified.

Name	Description
<code>SetValueCore(PlcDeviceConnection, Char)</code>	Stores the <b>value</b> in the <b>IPlcDevice</b> assigned to the <b>connection</b> specified.
<code>ToString</code>	Retrieves the string representation of the <b>PlcChar</b> .

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