

# PlcBooleanArrayInfo Class

**Namespace:** IPS7Lnk.Advanced

**Assemblies:** IPS7LnkNet.Advanced.dll

Represents a PLC array member which addresses an unique data entry stored within a programmable logic controller (PLC) its values are interpreted as boolean expressions ([Boolean](#)).

**C#**

```
public class PlcBooleanArrayInfo : PlcArrayInfo<bool>, IPlcValueInfo, IPlcArrayInfo,
IPlcMemberInfo, IPlcRelocatable<IPlcMemberInfo>, IPlcRelocatable
```

**Inheritance** [Object](#) > [PlcMemberInfo](#) > [PlcValueInfo<Boolean>](#) > [PlcArrayInfo<Boolean>](#) >  
[PlcBooleanArrayInfo](#)

**Implements** [IPlcValueInfo](#), [IPlcArrayInfo](#), [IPlcMemberInfo](#), [IPlcRelocatable<IPlcMemberInfo>](#),  
[IPlcRelocatable](#)

## Remarks

While a PLC array of this type represents [Boolean](#) values, all PLC operations performed using this class are done using the [Bit](#). A PLC developer knows an array of this type as an ARRAY OF BOOL.

## Constructors

Name	Description
<a href="#">PlcBooleanArrayInfo(PlcBooleanArrayType, PlcName)</a>	Initializes a new instance of the <a href="#">PlcBooleanArrayInfo</a> class using the specified <a href="#">type</a> and <a href="#">name</a> .
<a href="#">PlcBooleanArrayInfo(PlcIdentity, PlcName, Int32)</a>	Initializes a new instance of the <a href="#">PlcBooleanArrayInfo</a> class using the specified <a href="#">identity</a> , <a href="#">name</a> and <a href="#">length</a> .
<a href="#">PlcBooleanArrayInfo(PlcName, Int32)</a>	Initializes a new instance of the <a href="#">PlcBooleanArrayInfo</a> class using the specified <a href="#">name</a> and <a href="#">length</a> .

## Properties

Name	Description
<a href="#">Name</a>	Gets the name of the member. (Inherited from <a href="#">PlcMemberInfo</a> )
<a href="#">Type</a>	Gets the <a href="#">PlcType</a> of the member. (Inherited from <a href="#">PlcMemberInfo</a> )

## Methods

Name	Description
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Name	Description
MakeAbsoluteMember(PlcIdentity)	Retrieves the <a href="#">PlcBooleanArrayInfo</a> as an absolute addressable PLC data member.
MakeAbsoluteMember(PlcIdentity)	When implemented in a derived class, retrieves the <a href="#">IPlcMemberInfo</a> as an absolute addressable PLC data member. (Inherited from <a href="#">PlcMemberInfo</a> )
Relocate(Int32)	Relocates the <a href="#">PlcMemberInfo</a> using the specified offset. (Inherited from <a href="#">PlcMemberInfo</a> )
Relocate(Int32, Int32)	Relocates the <a href="#">PlcMemberInfo</a> using the specified offset. (Inherited from <a href="#">PlcMemberInfo</a> )
Relocate(Int32, Int32, Int32)	Relocates the <a href="#">PlcMemberInfo</a> using the specified offset. (Inherited from <a href="#">PlcMemberInfo</a> )
Relocate(PlcAddress)	Relocates the <a href="#">PlcMemberInfo</a> using the specified <a href="#">address</a> . (Inherited from <a href="#">PlcMemberInfo</a> )
RelocateCore(PlcType)	Relocates the member to the <a href="#">type</a> specified.
RelocateCore(PlcType)	When implemented in a derived class, relocates the member to the <a href="#">type</a> specified. (Inherited from <a href="#">PlcMemberInfo</a> )
ToString	Retrieves the string representation of the <a href="#">PlcMemberInfo</a> . (Inherited from <a href="#">PlcMemberInfo</a> )

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