

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
PlcBooleanArrayInfo(PlcBooleanArrayType, PlcName)	Initializes a new instance of the PlcBooleanArrayInfo class using the specified type and name .
PlcBooleanArrayInfo(PlcIdentity, PlcName, Int32)	Initializes a new instance of the PlcBooleanArrayInfo class using the specified identity , name and length .
PlcBooleanArrayInfo(PlcName, Int32)	Initializes a new instance of the PlcBooleanArrayInfo class using the specified name and length .

Properties

Name	Description
Name	Gets the name of the member. (Inherited from PlcMemberInfo)
Type	Gets the PlcType of the member. (Inherited from PlcMemberInfo)

Methods

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

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