

# PlcUserDefinedTypeOperand Members

**Namespace:** IPS7Lnk.Advanced

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

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

## Constructors

### PlcUserDefinedTypeOperand(SerializationInfo, StreamingContext)

Initializes a new instance of the [PlcUserDefinedTypeOperand](#) class with serialized data.

**C#**

```
protected PlcUserDefinedTypeOperand(SerializationInfo info, StreamingContext context)
```

#### Parameters

**info** [Serialization.SerializationInfo](#)

The [Serialization.SerializationInfo](#) that holds the serialized object data about the exception being thrown.

**context** [Serialization.StreamingContext](#)

The [Serialization.StreamingContext](#) that contains contextual information about the source or destination.

#### Exceptions

[ArgumentNullException](#)

The info parameter is null reference (Nothing in Visual Basic).

[Serialization.SerializationException](#)

The class name is null reference (Nothing in Visual Basic) or [HResult](#) is zero (0).

## Methods

### CompareTo(Object)

Compares the current [PlcUserDefinedTypeOperand](#) with the **other**.

**C#**

```
public override int CompareTo(object other)
```

#### Parameters

## other Object

The [PlcUserDefinedTypeOperand](#) to compare with this [PlcUserDefinedTypeOperand](#).

### Returns

[Int32](#)

A 32-bit signed integer that indicates the relative order of the objects being compared ([CompareTo\(Object\)](#)).

## CompareTo(PlcUserDefinedTypeOperand)

Compares the current [PlcUserDefinedTypeOperand](#) with another [PlcUserDefinedTypeOperand](#).

### C#

```
public int CompareTo(PlcUserDefinedTypeOperand other)
```

### Parameters

other [PlcUserDefinedTypeOperand](#)

The [PlcUserDefinedTypeOperand](#) to compare with this [PlcUserDefinedTypeOperand](#).

### Returns

[Int32](#)

A 32-bit signed integer that indicates the relative order of the objects being compared ([CompareTo\(\)](#)).

## Equals(Object)

Determines whether the specified [other](#) is equal to this [PlcUserDefinedTypeOperand](#).

### C#

```
public override bool Equals(object other)
```

### Parameters

other [Object](#)

The [PlcUserDefinedTypeOperand](#) to compare to the current [PlcUserDefinedTypeOperand](#).

### Returns

[Boolean](#)

The value true if the specified [PlcUserDefinedTypeOperand](#) is equal to the current [PlcUserDefinedTypeOperand](#); otherwise the value false.

# Equals(PlcUserDefinedTypeOperand)

Determines whether the specified **other** is equal to this **PlcUserDefinedTypeOperand**.

**C#**

```
public bool Equals(PlcUserDefinedTypeOperand other)
```

## Parameters

**other** **PlcUserDefinedTypeOperand**

The **PlcUserDefinedTypeOperand** to compare to the current **PlcUserDefinedTypeOperand**.

## Returns

**Boolean**

The value true if the specified **PlcUserDefinedTypeOperand** is equal to the current **PlcUserDefinedTypeOperand**; otherwise the value false.

# GetHashCode()

Retrieves a hash code for this **PlcUserDefinedTypeOperand**.

**C#**

```
public override int GetHashCode()
```

## Returns

**Int32**

An **Int32** that contains the hash code for the **PlcUserDefinedTypeOperand**.

# GetObjectData(SerializationInfo, StreamingContext)

Sets the **Serialization.SerializationInfo** with information about the exception.

**C#**

```
[SecurityPermission(SecurityAction.LinkDemand, Flags =  
SecurityPermissionFlag.SerializationFormatter)]  
public override void GetObjectData(SerializationInfo info, StreamingContext context)
```

## Parameters

**info** **Serialization.SerializationInfo**

The **Serialization.SerializationInfo** that holds the serialized object data about the exception being thrown.

**context** **Serialization.StreamingContext**

The [Serialization.StreamingContext](#) that contains contextual information about the source or destination.

## Exceptions

### [ArgumentNullException](#)

The [info](#) parameter is a null reference (Nothing in Visual Basic).

# Operators

## Equality(PlcUserDefinedTypeOperand, PlcUserDefinedTypeOperand)

Returns a value indicating whether two instance of [PlcUserDefinedTypeOperand](#) are equal.

### C#

```
public static bool operator ==(PlcUserDefinedTypeOperand left, PlcUserDefinedTypeOperand right)
```

## GreaterThan(PlcUserDefinedTypeOperand, PlcUserDefinedTypeOperand)

Determines whether the first specified [PlcUserDefinedTypeOperand](#) object is greater than the second specified [PlcUserDefinedTypeOperand](#) object.

### C#

```
public static bool operator >(PlcUserDefinedTypeOperand left, PlcUserDefinedTypeOperand right)
```

## GreaterThanOrEqual(PlcUserDefinedTypeOperand, PlcUserDefinedTypeOperand)

Determines whether the first specified [PlcUserDefinedTypeOperand](#) object is greater than or equal to the second specified [PlcUserDefinedTypeOperand](#) object.

### C#

```
public static bool operator >=(PlcUserDefinedTypeOperand left, PlcUserDefinedTypeOperand right)
```

## Implicit(String to PlcUserDefinedTypeOperand)

Converts a string formatted as operand to an [PlcUserDefinedTypeOperand](#) object.

### C#

```
public static implicit operator PlcUserDefinedTypeOperand(string value)
```

## Exceptions

[FormatException](#)

The **value** is not a valid PLC operand.

## Inequality(PlcUserDefinedTypeOperand, PlcUserDefinedTypeOperand)

Returns a value indicating whether two instances of [PlcUserDefinedTypeOperand](#) are not equal.

**C#**

```
public static bool operator !=(PlcUserDefinedTypeOperand left, PlcUserDefinedTypeOperand right)
```

## LessThan(PlcUserDefinedTypeOperand, PlcUserDefinedTypeOperand)

Determines whether the first specified [PlcUserDefinedTypeOperand](#) object is less than the second specified [PlcUserDefinedTypeOperand](#) object.

**C#**

```
public static bool operator <(PlcUserDefinedTypeOperand left, PlcUserDefinedTypeOperand right)
```

## Exceptions

[ArgumentNullException](#)

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

## LessThanOrEqual(PlcUserDefinedTypeOperand, PlcUserDefinedTypeOperand)

Determines whether the first specified [PlcUserDefinedTypeOperand](#) object is less than or equal to the second [PlcUserDefinedTypeOperand](#) object.

**C#**

```
public static bool operator <=(PlcUserDefinedTypeOperand left, PlcUserDefinedTypeOperand right)
```

## Exceptions

[ArgumentNullException](#)

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

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