

TELUS Component Library

Quantity Selector

Web Component | [Figma UI KIT](#)

Introduction

Use `QuantitySelector` to easily decrease and increase an integer value.

[Follow the appropriate instructions](#) to add this component in to your app.

Guidance

Setting Default Value

Use `defaultValue` to set `QuantitySelector` starting value if necessary:

−	2	+
---	---	---

```
<QuantitySelector defaultValue={2} accessibilityLabel="'Quantity selection control'" />
```

Tracking entered values

You can use `onChange` prop to track value change:

−		+
---	--	---

```
<QuantitySelector onChange={({amount}) => alert('Value has changed')} />
```

Controlled usage

−	2	+
---	---	---

```
function ControlledQuantitySelector() {  
  const [quantity, setQuantity] = React.useState(2)  
  return <QuantitySelector value={quantity} onChange={(value) =>  
    setQuantity(value)} />  
}
```

Defining Min and Max values

This component supports value validation, you can use `minNumber` and `maxNumber` to define minimum and maximum number accepted by the input. In case the user tries to input a value out of this range, the component will display an alert.

−	2	+
---	---	---

```
<QuantitySelector minNumber={2} defaultValue={2} maxNumber={5}  
/>
```

Using a Label

You can use the `label` property to attach a label to this component:

Some descriptive information

−		+
---	--	---

```
<QuantitySelector label="Some descriptive information" />
```

Adding a Hint and Hint position

When passing `hint` and `label` props, the component will show an additional text and using `hintPosition` set to `'inline'` (default) or `'below'` you can specify where the hint will be positioned:

Quantity Selector Give the user some help

−		+
---	--	---

Quantity Selector

Give the user some help

−		+
---	--	---

```
<>
  <QuantitySelector label="Quantity Selector" hint="Give the
user some help" />{' '}
  <QuantitySelector label="Quantity Selector"
hintPosition="below" hint="Give the user some help" />
</>
```

Tooltip

This component has support for a tooltip: whenever `tooltip` prop is defined it, will add a question mark which will display a tooltip when clicked. You can also combine `tooltip` property with `hint` and `hintPosition`:

Quantity Selector Give the user some help ?

−		+
---	--	---

Quantity Selector ?

Give the user some help

−		+
---	--	---

```

<>
<QuantitySelector
  label="Quantity Selector"
  tooltip="I'm a tooltip"
  hint="Give the user some help"
/>
<QuantitySelector
  label="Quantity Selector"
  tooltip="I'm a tooltip"
  hintPosition="below"
  hint="Give the user some help"
/>
</>

```

Custom dictionary prop

While `QuantitySelector` has a default dictionary for various error messages and label values for both `en` and `fr` copy, these messages can be overridden by passing a custom `dictionary` prop as shown in the example below.

⚠ CAUTION

Should you choose to pass a custom `dictionary` prop, you have to provide all the properties in the dictionary for both `en` and `fr`, otherwise the component will not render as expected as it completely overrides the default dictionary instead of merging.



```

<>
<QuantitySelector
  dictionary={{
    en: {
      accessibility: {
        allyLabel: 'Quantity Selector control',
        increaseButton: 'Increase quantity button',
        decreaseButton: 'Decrease quantity button'
      }
    }
  }}
/>

```

```

    },
    errors: {
      numberIsTooSmall: (minNumber) => `Number must be equal
or greater than ${minNumber}`,
      numberIsTooBig: (maxNumber) => `Number must be equal
or less than ${maxNumber}`,
      invalidCharacters:
        'This control does not allow alphabetical or symbol
characters. Try using numbers only'
    }
  },
  fr: {
    accessibility: {
      allyLabel: 'Contrôleur de sélection de nombre',
      increaseButton: `Bouton d'augmentation de quantité`,
      decreaseButton: 'Bouton de diminution de quantité'
    },
    errors: {
      numberIsTooSmall: (minNumber) =>
        `Le nombre doit être plus grand ou égal que
${minNumber}`,
      numberIsTooBig: (maxNumber) => `Le nombre doit être
plus petit ou égal que ${maxNumber}`,
      invalidCharacters: `Ce champ ne supporte pas les
caractères alphabétiques ni les symboles. Essayez d'utiliser des
chiffres uniquement`
    }
  }
}}
/>
</>

```

Platform considerations

This component is currently only supported on web.

Accessibility

Make sure to use accessible text when hiding the label.

Props

Name	Type	Platform	Default	Description
dictionary	shape	web only	<pre>{ en: { accessibility: { a11yLabel: 'Quantity Selector control', increaseButton: 'Increase quantity button', decreaseButton: 'Decrease quantity button' }, errors: { numberIsTooSmall: (minNumber) => `Number must be equal or greater than \${minNumber}`, numberIsTooBig: (maxNumber) => `Number must be equal or less than \${maxNumber}`, invalidCharacters: 'This control does not allow alphabetical or symbol characters. Try using numbers only' } }, fr: { accessibility: { a11yLabel: 'Contrôleur de sélection de nombre', increaseButton: `Bouton</pre>	The dictionary object containing the content for the input field

Name	Type	Platform	Default	Description
			d'augmentation de quantité`, decreaseButton: `Bouton de diminution de quantité` }, errors: { numberIsTooSmall: (minNumber) => `Le nombre doit être plus grand ou égal que \${minNumber}`, numberIsTooBig: (maxNumber) => `Le nombre doit être plus petit ou égal que \${maxNumber}`, invalidCharacters: `Ce champ ne supporte pas les caractères alphabétiques ni les symboles. Essayez d'utiliser des chiffres uniquement` } } }	
id	string	web only	'quantity-selector'	The id of the input field
hintPosition	'inline' 'below'	web only	'inline'	The position of the hint. Could be shown

Name	Type	Platform	Default	Description
				along side the label or below it
copy	union	web only	'en'	The language to use for the copy.
variant	variant	web only	{ alternative: false }	System variant prop, see variants for more details
testID	string	web only	'quantity-selector-testid'	Sets `data-testid` attribute on the input field for testing purposes.
minNumber	number	web only		The minimum number allowed
maxNumber	number	web only		The maximum number allowed
onChange	func	web only		The callback function

Name	Type	Platform	Default	Description
				that is called when the value of the input field changes
defaultValue	number	web only		The default value of the input field
value	number	web only		If the input's state is to be controlled by a parent component, use this prop together with the `onChange` to pass down and update the lifted state.
label	string	web only		The label of the input field
hint	string	web only		The hint of the input field

Name	Type	Platform	Default	Description
tooltip	string	web only		Adds a question mark which will display a tooltip when clicked
tokens	tokens	web only		System tokens prop, see tokens for more details

Tokens

In exceptional circumstances, the following tokens can be passed to this component to override its default styles. **Do not do this unless absolutely necessary.** [Read more about overriding styles.](#)

► View Tokens

Variants

You can pass `alternative` to give a rounded look to the component:

Alternative style



```
<QuantitySelector label="Alternative style" variant={{  
  alternative: true }} />
```

Feedback

- Spotted a problem with this component? Raise an [issue on GitHub](#)
- See any [existing issues](#) for this component
- Contact the team on slack in [#ds-support](#)