

NumberFormat Function

This function attempts to convert the input into a numerical figure. If the conversion is successful, the display of the figure is adjusted to the parameters Pattern, ExponentialFormat, and MoveSign. If the conversion is unsuccessful, the default value is returned if available. Input consists of one input field.

Parameters

Pattern

Pattern for the display of the input as a decimal figure.

+ [Click here for most important pattern symbols](#)

Symbol	Description
0	Digits
#	Digit, 0 is not shown
.	Decimal point
-	Minus sign
,	Grouping sign
E	Separation of mantissa and exponent
%	Multiplication by 100 and display as percentage

These symbols of the pattern are set and unchangeable. Grouping and decimal separators for the output can be specified in the last parameters. Below are examples:

Pattern	Input	Result
0.00	123,4	123.40
###,###.##	123456.789	123,456.79
0	000123	123
000000	123	000123
0.###E0	1234	1.234E3

For a comprehensive list of symbols,

see <http://download.oracle.com/javase/6/docs/api/java/text/DecimalFormat.html>

Default

Result if the input cannot be converted into a numerical figure (optional). If no default is entered, the input remains unchanged.

ExponentialFormat

Display of positive numerical figures in exponential form (optional). Possible alternatives:

- 'E+0': Display in the form 123E+45
- 'E0': Display in the form 123E45 (standard)

MoveSign

Shifts the minus sign one place (optional). Possible alternatives:

- 'left': If the minus sign is on the right, it is shifted to the left
- 'right': If the minus sign is on the left, it is shifted to the right

GroupingSeparator

Grouping separator for the output

DecimalSeparator

Decimal separator for the output

Note: numerical values that are exported from SAP systems are partly shown in the form “999-”.

Make sure that the input values have a standard format, otherwise it may cause errors (see image below). In line 1, the comma is identified as decimal separator, in line 2 the point, again in line 3, the comma. The value in line 4 is not recognized as a number.

Line	Input	Transformation
1	9,000.128	9.00
2	9.001	9.00
3	9.001,75	9,001.75
4	9.000.123	9.000.123

In such cases, you should replace the points with “nothing”. Thereafter, the values are passed uniformly in the column “Transformation”.
