

Operands

Admissible operands in expressions

The following types of operands may be used in expressions, that determine the value of object of [Eval tag](#) type, when configuring an object of [Event](#) type:

Operand type	Operand syntax
Object name	<p>Object name including prefix and suffix.</p> <p><i>Example:</i></p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">M.POUT1; P.Speed; U.Transporter1Start</div>
Numeric constant	<p>Integer or real constants. Real constants must contain the decimal point.</p> <p><i>Example:</i></p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">29; 5.25</div>
System symbolic constant	<p>The symbol "@" is placed before their names in expressions.</p> <p><i>Example:</i></p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">@TRUE; @Crash</div>
Object value attribute	<p>They are shown behind the object name, separated from the name by the back slash "\".</p> <p><i>Example:</i></p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">P.PRESSURE02\TIM; M.POUT\FLA</div>
Function	<p>Function syntax is as follows: %NAME(arg1,arg2...argN),</p> <ul style="list-style-type: none">• NAME - function name• arg1...argN - function arguments. Function arguments may be object names, functions, logical or arithmetical expressions. <p><i>Example:</i></p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">%SQRT(X2); %MAXR(T1,T2,T3)</div>
Value array item	<p>ArrayName[index]</p> <ul style="list-style-type: none">• index – integer number or expression of Integer type
Structure item determined by serial column number	<p>Structure[index expression]^_columnIndex</p> <ul style="list-style-type: none">• Structure - object of <i>Structured variable</i> type or local variable of <i>Recordtype</i> in ESL• index expression - arbitrary expression, acquiring values of <i>Integer</i> type > 0• _columnIndex - local variable of <i>Integer</i> type, that defines the serial number of the column by means of its value (1 ..) <p>The method for definition of a column is allowed just in ESL.</p> <p><i>Example:</i></p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">INT _colIdx _colIdx := 2 SV.Persons[1]^_colIdx:=7</div>

Structure item determined by column name	<p>Object[<i>index expression</i>]^<i>ItemName</i></p> <ul style="list-style-type: none">• Object - its value must be <i>Structure</i> type• index expression - arbitrary expression, that gains a value of Integer type > 0• <i>ItemName</i> - name of the given item <p><i>Example:</i></p> <pre>SV.Persons[2]^Name</pre>
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