

# IF THEN ELSIF ELSE ENDIF

## IF THEN [ELSIF] [ELSE] ENDIF action

**Function** Conditional execution of actions.

**Declaration**

```
IF expression1 THEN
...; actions 1
[ELSIF expression2 THEN]
...; actions 2
[ELSIF expression3 THEN]
...; actions 3
[ELSE]
...; actions 4
ENDIF
```

**Parameters**

expression1, expression2, expression3	in	<a href="#">Expressions</a> of BOOL type.
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**Description**

Expression1, expression2, ... are evaluated in successive steps. When one of the expressions gains the TRUE value, then actions following this expression are to be executed up to the nearest **ELSIF**, **ELSE** or **ENDIF**. If any of the expressions does not gain the value TRUE, then the sequence of actions between the commands **ELSE** - **ENDIF** (they are optional) is to be executed.

If some of the expressions expression1, expression2, ... gains an invalid value, the action generates the \_ERR\_EXPRESSION\_STATUS error.

**Note**

An equivalent of the action IF THEN [ELSIF] [ELSE] ENDIF may be coded using the conditional jump [IF GOTO](#) and the action [GOTO](#). The advantage of the action IF THEN [ELSIF] [ELSE] ENDIF is that there is no need to create labels and their names (it increases the code transparency).

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