

INSERTARCHARR

INSERTARCHARR action

Function	Modification, or writing of the array values into the archive.														
Declaration	<div>INSERTARCHARR archIdent, locVarColValueIdent_Rec [, [retIdent_Int], bRecalcStat_Bool]</div>														
Parameters	<table><tr><td>archIdent</td><td>in</td><td>Reference to one of (historical) value - (not controlled whether the archive object is used - adding reference to object is enough).</td></tr><tr><td>locVarColValueIdent_Rec</td><td>in</td><td>Column identifier of the Record type local variable.</td></tr><tr><td>retIdent_Int</td><td>output</td><td>Identifier of the Int type - return code: action success (optional parameter).</td></tr><tr><td>bRecalcStat_Bool</td><td>in</td><td>Identifier of the Bool type - enables/disables calculation of related statistical historical values (optional parameter, by default the calculations are enabled - @TRUE).</td></tr></table>			archIdent	in	Reference to one of (historical) value - (not controlled whether the archive object is used - adding reference to object is enough).	locVarColValueIdent_Rec	in	Column identifier of the Record type local variable.	retIdent_Int	output	Identifier of the Int type - return code: action success (optional parameter).	bRecalcStat_Bool	in	Identifier of the Bool type - enables/disables calculation of related statistical historical values (optional parameter, by default the calculations are enabled - @TRUE).
archIdent	in	Reference to one of (historical) value - (not controlled whether the archive object is used - adding reference to object is enough).													
locVarColValueIdent_Rec	in	Column identifier of the Record type local variable.													
retIdent_Int	output	Identifier of the Int type - return code: action success (optional parameter).													
bRecalcStat_Bool	in	Identifier of the Bool type - enables/disables calculation of related statistical historical values (optional parameter, by default the calculations are enabled - @TRUE).													
Description	<p>The action writes the value array for the archive object <i>archIdent</i>. Value array represents the column, to which the parameter <i>locVarColValueIdent_Rec</i> refers. Time of writing the values into the archive is defined by the time of their generation. If the parameter <i>retIdent_Int</i> is not stated, the action does not wait for confirming the writing. If the identifier is stated, it gets one of the following values:</p> <ul style="list-style-type: none">• <i>_ERR_TRANS_ABORT</i>• <i>_ERR_TRANS_ERROR</i>• <i>_ERR_TRANS_IGNORED</i>• <i>_ERR_NO_ERROR</i>														
Note	<p>If the identifier <i>retIdent_Int</i> is not stated, the script has no feedback to detect the action success. Action execution time is short, because it is a request, that is sent to the system.</p> <p>If the identifier <i>retIdent_Int</i> is stated, the script waits for the physical writing of the value into the archive database.</p> <p>Result:</p> <p>If I will use the action to write a value into the archive without waiting and then I will read the value, the read value almost certainly will not be that one written in the previous action.</p> <p>Calculation of related statistical historical values can be disabled by setting the parameter <i>bRecalcStat_Bool</i> to the value of <i>@FALSE</i>.</p>														
Example	Writing the value into the archive:														

```
RECORD (SD.ArchDemo) _data
INT  _value
INT  _idx
TIME _bt
INT  _retCode

_bt := %StrToTime("8:01:00 16-10-2003")
REDIM _data[60]

; assign any data
_idx := 1
_value := 100
DO_LOOP
    EXIT_LOOP _idx > _data\DIM

    _data[_idx]^value := _value TIME _bt
    _idx := _idx + 1
    _value := _value + 1
    _bt := %AddTime(_bt, 1)
END_LOOP
```

```
; writing
INSERTARCHARR H.ArchObj, _data^value, _retCode
```

```
; action success test
IF _retCode # _ERR_NO_ERROR THEN
; write error
ENDIF
```



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