# Appendix A - Symbol Attributes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  | | --- | --- | |  |  | | ***Identification*** | | | Symbol tag | #TAG | | Terminal tag (1) | #TER\_TAG | | Terminal strip tag (1) | #TER\_TAG1 | | *(1) Only if it is a symbol representing a terminal* | | | Location tag | #LOC\_TAG | | Function tag | #FUN\_TAG | | Manufacturer | #REF\_DES\_1 | | Manufacturer part | #REF\_DES\_2 | | ***User data at part level*** | | | Description (Language 1) | #REF\_TZ\_0\_L1 | | Description (Language 2) | #REF\_TZ\_0\_L2 | | Sales reference (Language 1) | #REF\_TZ\_1\_L1 | | Sales reference (Language 2) | #REF\_TZ\_1\_L2 | | ***L1*** *: Language 1 of Project / Can be replaced by* ***EN*** *or other language code) to force in English whatever Language 1 of the project may be.* | | | ***Management data (ERP)*** | | | Identifier (2) | #REF\_TX\_0 | | Price (2) | #REF\_TX\_1 | | Quantity in stock (2) | #REF\_TX\_2 | | | Supplier (2) | #REF\_TX\_3 | | *(2)The name of this field may be different depending on the external database you are connected to.* | | | ***Translatable user data*** | | | Translatable data 1 (Language 1) | #REF\_TZ\_2\_L1 | | Translatable data 1 (Language 2) | #REF\_TZ\_2\_L2 | | Translatable data 2 (Language 1) | #REF\_TZ\_3\_L1 | | Translatable data 2 (Language 2) | #REF\_TZ\_3\_L2 | | ***User data*** | | | User data 1 | #REF\_TX\_4 | | User data 2 | #REF\_TX\_5 | | ***User data at component level*** | | | ***User data*** | | | User data 1 | #TX\_0 | | User data 2 | #TX\_1 | | User data 3 | #TX\_2 | | User data 4 | #TX\_3 | | User data 5 | #TX\_4 | | User data 6 | #TX\_5 | | User data 7 | #TX\_6 | | User data 8 | #TX\_7 | | User data 9 | #TX\_8 | | User data 10 | #TX\_9 | | User data 11 | #TX\_10 | | User data 12 | #TX\_11 | | User data 13 | #TX\_12 | | User data 14 | #TX\_13 | | User data 15 | #TX\_14 | | User data 16 | #TX\_15 | | User data 17 | #TX\_16 | | User data 18 | #TX\_17 | | User data 19 | #TX\_18 | | User data 20 | #TX\_19 | | ***Translatable data*** | | | Translatable data 1 | #TZ\_0 | | Translatable data 2 | #TZ\_1 | | Translatable data 3 | #TZ\_2 | | Translatable data 4 | #TZ\_3 | | Translatable data 5 | #TZ\_4 | | Translatable data 6 | #TZ\_5 | | Translatable data 7 | #TZ\_6 | | Translatable data 8 | #TZ\_7 | | Translatable data 9 | #TZ\_8 | | Translatable data 10 | #TZ\_9 | | Translatable data 11 | #TZ\_10 | | Translatable data 12 | #TZ\_11 | | Translatable data 13 | #TZ\_12 | | Translatable data 14 | #TZ\_13 | | Translatable data 15 | #TZ\_14 | | ***Descriptive data*** | | | ***Cross references*** | | | Cross reference | #CROSS\_REF | | ***Manufacturer data*** | | | Calibre value 1 | #TD\_1 | | Calibre value 2 | #TD\_2 | | Calibre value 3 | #TD\_3 | | Calibre value 4 | #TD\_4 | | Calibre value 5 | #TD\_5 | | Calibre value 6 | #TD\_6 | | |
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# Appendix B - Title Block Attributes

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|  |  |
| ***Project*** | |
| Mark | #PROJECT\_TAG |
| Project N° | #PROJECT\_CONTRACT\_NUM |
| Customer name | #PROJECT\_CUSTOMER |
| Customer address (Line 1) | #PROJECT\_CUSTOMER\_ADDRESS\_1 |
| Customer address (Line 2) | #PROJECT\_CUSTOMER\_ADDRESS\_2 |
| Customer address (Line 3) | #PROJECT\_CUSTOMER\_ADDRESS\_3 |
| Design office | #PROJECT\_DWG\_OFFICE |
| Design office address (Line 1) | #PROJECT\_DWG\_OFFICE\_ADDRESS\_1 |
| Design office address (Line 2) | #PROJECT\_DWG\_OFFICE\_ADDRESS\_2 |
| Design office address (Line 3) | #PROJECT\_DWG\_OFFICE\_ADDRESS\_3 |
| **Description** | |
| Description – Line 1 (Language 1) | #PROJECT\_TZ\_0\_L1 |
| ***L1*** *: Language 1 of Project / Can be replaced by* ***EN*** *or other language code) to force in English, whatever Language 1 of the project may be.* | |
| Description – Line 2 (Language 1) | #PROJECT\_TZ\_1\_L1 |
| **User data** | |
| User data 1 | #PROJECT\_TX\_0 |
| User 2 data | #PROJECT\_TX\_1 |
| User 3 data | #PROJECT\_TX\_2 |
| User 4 data | #PROJECT\_TX\_3 |
| **Translatable user data** | |
| Translatable user data 1(Language 1) | #PROJECT\_TZ\_2\_L1 |
| Translatable user data 2 (Language 1) ? | #PROJECT\_TZ\_3\_L1 |
| Translatable user data 3 (Language 1) ? | #PROJECT\_TZ\_4\_L1 |
| ***Bundle*** | |
| Tag | #BUNDLE\_TAG |
| **Description** | |
| Description (Language 1) | #BUNDLE\_TZ\_0\_L |
| **User data** | |
| Drawn by | #BUNDLE\_TX\_0 |
| Drawn on | #BUNDLE\_TX\_1 |
| User data 3 | #BUNDLE\_TX\_2 |
| User data 4 | #BUNDLE\_TX\_3 |
| **Translatable user data** | |
| Translatable user data 1 (Language 1) ? | #BUNDLE\_TZ\_1\_L1 |
| Translatable user data 2 (Language 1) ? | #BUNDLE\_TZ\_2\_L1 |
| Translatable user data 3 (Language 1) ? | #BUNDLE\_TZ\_3\_L1 |
| **Revision** | |
| Current No. | #BUN\_REV\_NO |
| Number | #BUN\_REV\_NO\_0 |
| *The character* ***0*** *can be replaced by the following codes:*  ***0*** *: 1st index /* ***1****: 2nd index… /* ***-0****: last index /* ***-1****: second to last index…*  *(see at the end of the table)* | |
| Creation date | #BUN\_REV\_CREATED\_ON\_0 |
| Creation author | #BUN\_REV\_CREATED\_BY\_0 |
| Check date | #BUN\_REV\_VERIF\_ON\_0 |
| Acceptance date | #BUN\_REV\_APPROV\_ON\_0 |
| Acceptance author | #BUN\_REV\_APPROV\_BY\_0 |
| Description | #BUN\_REV\_NO\_**0**\_TZ\_0\_L1 |
| ***Folder*** | |
| Tag | #FOLDER\_TAG |
| **Description** | |
| Description (Language 1) | #FOLDER\_TZ\_0\_L1 |
| **Translatable user data** | |
| Translatable user data 1 (Language 1) ? | #FOLDER\_TZ\_1\_L1 |
| Translatable user data 2 (Language 1) ? | #FOLDER\_TZ\_2\_L1 |
| Translatable user data 3 (Language 1) ? | #FOLDER\_TZ\_3\_L1 |
| ***Drawing*** | |
| Tag | #FOLIO\_TAG |
| Next tag | #NEXT\_FOLIO\_TAG |
| Previous drawing tag | #PREV\_FOLIO\_TAG |
| Number of drawings into the bundle | #NB\_FOLIO\_IN\_BUNDLE |
| Name of the last drawing in the bundle | #LAST\_FOLIO\_IN\_BUNDLE |
| Scale factor (numerator) | #FOLIO\_SCALE\_NUM |
| Scale factor (denominator) | #FOLIO\_SCALE\_DEN |
| **Description** | |
| Description (Language 1) | #FOLIO\_TZ\_0\_L1 |
| **Titles** | |
| Title (1st line) (Language 1) | #FOLIO\_TZ\_1\_L1 |
| Title (2nd line) (Language 1) | #FOLIO\_TZ\_2\_L1 |
| **User data** | |
| User data 1 | #FOLIO\_TX\_0 |
| User data 2 | #FOLIO\_TX\_1 |
| User data 3 | #FOLIO\_TX\_2 |
| User data 4 | #FOLIO\_TX\_3 |
| **Translatable user data** | |
| Translatable user data 1 (Language 1) | #FOLIO\_TZ\_4\_L1 |
| Translatable user data 2 (Language 1) | #FOLIO\_TZ\_5\_L1 |
| Translatable user data 3 (Language 1) | #FOLIO\_TZ\_6\_L1 |
| **Revision** | |
| Current No. | #REV\_NO |
| Number | #REV\_NO\_0 |
| Creation date | #REV\_CREATED\_ON\_0 |
| Creation author | #REV\_CREATED\_BY\_0 |
| Check date | #REV\_VERIF\_ON\_0 |
| Acceptance date | #REV\_APPROV\_ON\_0 |
| Acceptance author | #REV\_APPROV\_BY\_0 |
| Description | #REV\_NO\_**0**\_TZ\_0\_L1 |
| ***Function*** | |
| Tag | #FOLIO\_FUN\_TAG |
| Description | |
| Description (Language 1) | #FOLIO\_FUN\_TZ\_0\_L1 |
| **User data** | |
| User data 1 | #FOLIO\_FUN\_TX\_0 |
| User data 2 | #FOLIO\_FUN\_TX\_1 |
| User data 3 | #FOLIO\_FUN\_TX\_2 |
| User data 4 | #FOLIO\_FUN\_TX\_3 |
| **Translatable user data** | |
| Translatable user data 1 (Language 1) | #FOLIO\_FUN\_TZ\_1\_L1 |
| Translatable user data 2 (Language 1) | #FOLIO\_FUN\_TZ\_2\_L1 |
| Translatable user data 3 (Language 1) | #FOLIO\_FUN\_TZ\_3\_L1 |
| ***Location*** | |
| Tag | #FOLIO\_LOC\_TAG |
| **Description** | |
| Description (Language 1) | #FOLIO\_LOC\_TZ\_0\_L1 |
| **User data** | |
| User data 1 | #FOLIO\_LOC\_TX\_0 |
| User data 2 | #FOLIO\_LOC\_TX\_1 |
| User data 3 | #FOLIO\_LOC\_TX\_2 |
| User data 4 | #FOLIO\_LOC\_TX\_3 |
| **Translatable user data** | |
| Translatable user data 1 (Language 1) | #FOLIO\_LOC\_TZ\_1\_L1 |
| Translatable user data 2 (Language 1) | #FOLIO\_LOC\_TZ\_2\_L1 |
| Translatable user data 3 (Language 1) | #FOLIO\_LOC\_TZ\_3\_L1 |
| ***Miscellaneous*** | |
| EW version number | #ELVER |
| DWG No. | #NUM\_DWG |
| Column | #COL |
| Row | #ROW |

When specific revisions attributes, a dialog box opens allowing you to select the index level. There are two modes (Relative and absolute) used to generate the index rank automatically.

# Appendix C - Import Fields

|  |  |
| --- | --- |
| **Field** | **Part information** |
| Reference | Manufactures Part Number |
| Manufacture | Manufactures Name |
| Description | Description of Part |
| Mark Root | Tag Root character |
| **Value** | * Change based on Classification |
| Value 1 | Change based on Classification |
| Value 2 | Change based on Classification |
| Value 3 | Change based on Classification |
| Value 4 | Change based on Classification |
| Value 5 | Change based on Classification |
| Value 6 | Change based on Classification |
| Value 7 | Change based on Classification |
| Use Voltage | Normal Voltage for device |
| Use Frequency | Normal Frequency for device |
| Control Voltage | Voltage to control the device |
| Control Frequency | Frequency of Voltage to control the device |
| Auxiliary Type |  |
| Accessory Type |  |
| Library | Library to add the part to |
| Article Number |  |
| 3d Part | Full File path to 3d Model of part |
| 2d Footprint | Pull file path to 2d Plan view drawing of part |
| Line diagram symbol | Symbol that will represent the part on a Line diagram |
| Scheme symbol | Symbol that will represent the part on a Scheme |
| Width | Of the actual Part |
| Height | Of the actual Part |
| Depth | Of the actual Part |

**Part Classification – value**

|  |  |
| --- | --- |
| **Black Box** |  |
|  | None |
| **Boxes, cabinets** |  |
| Type | Value 3 |
| Degree of Protection IP | Value 5 |
| **Brakes, Electrovalves** |  |
| Power | Value 2 |
| Degree of Protection IP | Value 5 |
| **Building** |  |
| Current Rating | Value 1 |
| Power | Value 2 |
| **Buttons, Switches** |  |
| Current Rating | Value 1 |
| Color | Value 2 |
| Degree of Protection IP | Value 5 |
| Time | Value 6 |
| **Capacitors** |  |
| Power | Value 2 |
| Voltage | Value 4 |
| **Circuit-Breakers** |  |
| Current Rating | Value 1 |
| Curve | Value 2 |
| Current of Thermal setting | Value 3 |
| Current of Magnetic setting | Value 4 |
| Residual Current Threshold | Value 5 |
| Time | Value 6 |
| **Coils** | **N/A** |
| **Connectors** |  |
|  | None |
| **Contact Relays, Relays** |  |
| Current Rating | Value 1 |
| Time | Value 6 |
| **Contacts** | **N/A** |
| **Converters, Invertors** |  |
| Current Rating | Value 1 |
| Power | Value 2 |
| Input Value | Value 3 |
| Output Value | Value 4 |
| Frequency | Value 5 |
| Short Circuit Current | Value 6 |

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| **Detectors, Sensors** |  |
| Setting | Value 1 |
| Degree of Protection IP | Value 5 |
| Range | Value 6 |
| **Drives** |  |
| Current Rating | Value 1 |
| Power | Value 2 |
| **Electronic Component** |  |
| Value | Value 3 |
| Accuracy | Value 6 |
| **Fuse Disconnect** |  |
| Current Rating | Value 1 |
| Size | Value 3 |
| Caliber | Value 4 |
| **Inductor** |  |
| Power | Value 2 |
| Inductance | Value 3 |
| **Measurement Devices** |  |
| Class | Value 2 |
| Range | Value 6 |
| **Miscellaneous** |  |
| - | Value 1 |
| - | Value 2 |
| - | Value 3 |
| - | Value 4 |
| - | Value 5 |
| - | Value 6 |
| - | Value 7 |
| **Motor** |  |
| Power | Value 2 |
| Speed | Value 3 |
| Degree of Protection IP | Value 5 |
| **PLCs** |  |
| Card Position | Value 1 |
| Slot | Value 2 |
| I index | Value 3 |
| Q index | Value 4 |
| AIW index | Value 5 |
| AQW index | Value 6 |
| Channel Address Formula | Value 7 |
| **Pneumatic, Hydraulic** |  |
|  | none |
| **Power Supplies** |  |
| Current Rating | Value 1 |
| Power | Value 2 |
| Input Value | Value 3 |
| Output Value | Value 4 |
| Frequency | Value 5 |
| Short Circuit Current | Value 6 |
| **Process and Instrumentation** |  |
| - | Value 1 |
| - | Value 2 |
| - | Value 3 |
| - | Value 4 |
| - | Value 5 |
| - | Value 6 |
| - | Value 7 |
| **Redirections** |  |
|  | None |
| **Resistors** |  |
| Power | Value 1 |
| Resistance | Value 2 |
| Accuracy | Value 3 |
| **Signaling, Alarm** |  |
| Power | Value 2 |
| Color | Value 3 |
| Voltage | Value 4 |
| **Starter** |  |
| Current Rating | Value 1 |
| Time | Value 6 |
| **Switches** |  |
| Current Rating | Value 1 |
| Curve | Value 2 |
| Current of Thermal setting | Value 3 |
| Current of Magnetic setting | Value 4 |
| Residual Current Threshold | Value 5 |
| Time | Value 6 |
| **Terminal strips, Terminals** |  |
| Section | Value 2 |
| Shunt (0/1) | Value 3 |
| Level number | Value 4 |
| Acc Terminal | Value 5 |
| Step | Value 6 |

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| **Thermal, Magnetic Relay** |  |
| Current Rating | Value 1 |
| Current of Thermal setting | Value 3 |
| Current of Magnetic setting | Value 4 |
| **Transformers** |  |
| Power | Value 2 |
| Rating | Value 3 |
| Class | Value 4 |
| Coupling | Value 5 |
| Short Circuit Current | Value 6 |
| **Wiring Systems** |  |
|  | **None** |