# 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** |