

Classification with ETIM

ETIM (Electro-Technical Information Model) is an international standard used to classify technical products – especially in the electrical, construction, and HVAC sectors. For suppliers, ETIM helps you provide accurate product descriptions and makes it easier for customers to find the right products.

Supported ETIM versions

- ETIM 4.0
- ETIM 5.0
- ETIM 6.0
- ETIM 7.0
- ETIM 8.0
- ETIM 9.0

Visit www.etim.de/datenmodell for detailed information and a full overview of ETIM versions.

Implementing ETIM in your catalogue (XML format)

Include ETIM classifications within the **ARTICLE_FEATURES** section.

```
<ARTICLE_FEATURES>
  <REFERENCE_FEATURE_SYSTEM_NAME>ETIM-4.0</REFERENCE_FEATURE_SYSTEM_NAME>
  <REFERENCE_FEATURE_GROUP_ID>EC000240</REFERENCE_FEATURE_GROUP_ID>

  <FEATURE>
    <FNAME>EF000010</FNAME>
    <FVALUE>EV002973</FVALUE>
  </FEATURE>

  <FEATURE>
    <FNAME>EF000007</FNAME>
    <FVALUE>EV000270</FVALUE>
  </FEATURE>
</ARTICLE_FEATURES>
```

The table below outlines how ETIM data maps to the relevant XML fields:

| XML field | ETIM value |
|-------------------------------|--------------|
| REFERENCE_FEATURE_SYSTEM_NAME | ETIM version |
| REFERENCE_FEATURE_GROUP_ID | Class code |
| FNAME | Code |
| FVALUE | Value code |

Notes

- Always use ETIM in upper case and include the version number with a hyphen (e.g. ETIM-4.0, ETIM-5.0, ETIM-6.0).
- You can add further classifications for each item using other systems such as [ECLASS](#) or [UNSPSC](#). Create a separate <REFERENCE_FEATURE_SYSTEM_NAME> block for each classification system.

A detailed [example](#) is available at the end of this article.

Example: For catalogues listed on the Unite platform for the United Kingdom, the LANGUAGE in the HEADER must be set to 'eng'.

```
<LANGUAGE>eng</LANGUAGE>
```

Implementing ETIM in your catalogue (CSV format)

Enter the ETIM version in the 'REFERENCE_FEATURE_SYSTEM_NAME' column and the class code in 'REFERENCE_FEATURE_GROUP_ID'.

| V | W |
|--|--|
| REFERENCE_FEATURE_SYSTEM_NAME | REFERENCE_FEATURE_GROUP_ID |
| Klassifikationssystem-Name am Beispiel von ECLASS: ECLASS-Version | Klassifikationssystem-Name am Beispiel von ECLASS: ECLASS |
| ETIM-4.0 | EC000240 |
| ETIM-4.0 | EC000240 |
| ETIM-4.0 | EC000240 |

ETIM attributes (code and value code) go in the FNAME(1-10) and FVALUE(1-10) columns.

| BA | BB | BC | BD | BE |
|-----------------------|------------------------|-----------------------|-----------------------|------------------------|
| FNAME1 | FVALUE1 | FUNIT1 | FNAME2 | FVALUE2 |
| Feature name 1 | Feature value 1 | Feature unit 1 | Feature name 2 | Feature value 2 |
| EF000010 | EV002973 | | EF000007 | EF000027 |
| EF000010 | EV002973 | | EF000007 | 230 |
| EF000010 | EV002973 | | EF000007 | 110 |

Practical example: coin-operated machine using ETIM-9.0

When you search for 'coin-operated machine' on the [ETIM site](#), you'll find the following mapping for its properties:

Vending machine

Class code: EC000341 | Sector: E M | Group code: EG000040 - Small domestic appliances | Releases: ETIM-8.0, ETIM-9.0

Class version: 5 | Revision: 2 | Status: Published

| Def | Code | Description | Type | Unit | Unit (imp.) | Value code - Description |
|-----|----------|------------------------|------|------|-------------|--|
| 1 | EF000010 | Model | A | | | 1 EV000852 Consumption dependant 2 EV000851 Time-dependant |
| 2 | EF000002 | Nominal voltage | N | V | | |
| 3 | EF000346 | Power consumption | N | VA | | |
| 4 | EF000143 | Type of current | A | | | 1 EV000612 Rotating current 2 EV000460 AC |
| 5 | EF000347 | Control | A | | | 1 EV000101 Electronic 2 EV000853 Microprocessor |
| 6 | EF000348 | Insert | A | | | 1 EV006125 Coins 2 EV000850 Value coin |
| 7 | EF000349 | Fake money restitution | L | | | |
| 8 | EF000350 | Indication | A | | | 1 EV002764 1 digit LED 2 EV002763 Double LC display 3 EV000854 3 digit display 4 EV000190 Control light |
| 9 | EF000040 | Height | N | mm | in | |
| 10 | EF000008 | Width | N | mm | in | |
| 11 | EF000049 | Depth | N | mm | in | |

For the attributes type, rated voltage, and current type, the following allocation to XML fields applies:

| XML field | ETIM value |
|-------------------------------|------------|
| REFERENCE_FEATURE_SYSTEM_NAME | ETIM-9.0 |
| REFERENCE_FEATURE_GROUP_ID | EC000341 |
| FNAME(1) | EF000010 |
| FVALUE(1) | EV000852 |
| FNAME(2) | EF000002 |
| FVALUE(2) | 230 |
| FNAME(3) | EF000143 |
| FVALUE(3) | EV000612 |

Units such as volts, amps, or millimetres are added automatically, so there's no need to specify them separately as FUNIT. Your Unite catalogue in XML format will show the ETIM-9.0 classification and relevant attributes directly in the item data record (e.g. for a coin-operated machine).

Example:

```
<ARTICLE_FEATURES>
  <REFERENCE_FEATURE_SYSTEM_NAME>ETIM-9.0</REFERENCE_FEATURE_SYSTEM_NAME>
  <REFERENCE_FEATURE_GROUP_ID>EC000341</REFERENCE_FEATURE_GROUP_ID>
```

```
<FEATURE>
  <FNAME>EF000010</FNAME>
  <FVALUE>EV000852</FVALUE>
</FEATURE>

<FEATURE>
  <FNAME>EF000002</FNAME>
  <FVALUE>230</FVALUE>
</FEATURE>

<FEATURE>
  <FNAME>EF000143</FNAME>
  <FVALUE>EV000612</FVALUE>
</FEATURE>
</ARTICLE_FEATURES>
```