

Support for industry customers by CADENAS eCATALOGsolutions including eCI@ss 8.0 information



Josef Schmelter

Agenda

- Brief introduction
- Electronic product catalog project
- Automatic PIM data provision as basis for eCATALOG solutions
- Classification and engineering with eCI@ss 8.0

Brief introduction

- Internal/external classification
- CAE data provision
- CAD data provision
- Committee work
 - eCI@ss e.V.
 - eCI@ss CRD specialist group
 - eCI@ss Cax specialist group
 - eCI@ss CEG process control technology /PROLIST
 - ETIM Deutschland e.V.
 - ETIM Expert committee 4



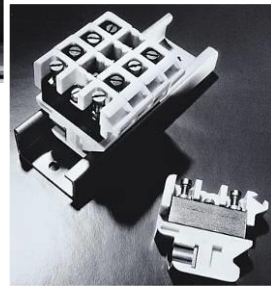
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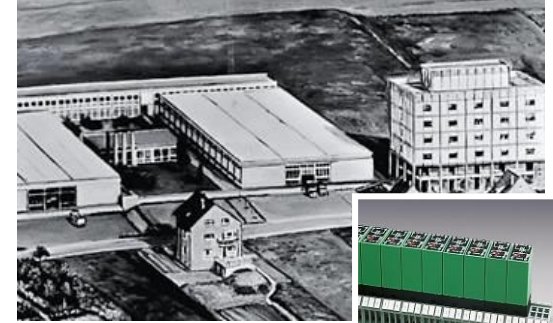
Corporate History



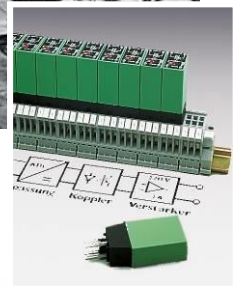
1923



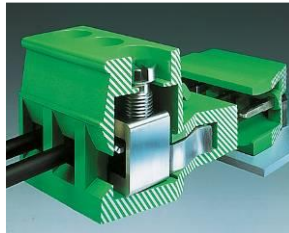
1950s



1960s

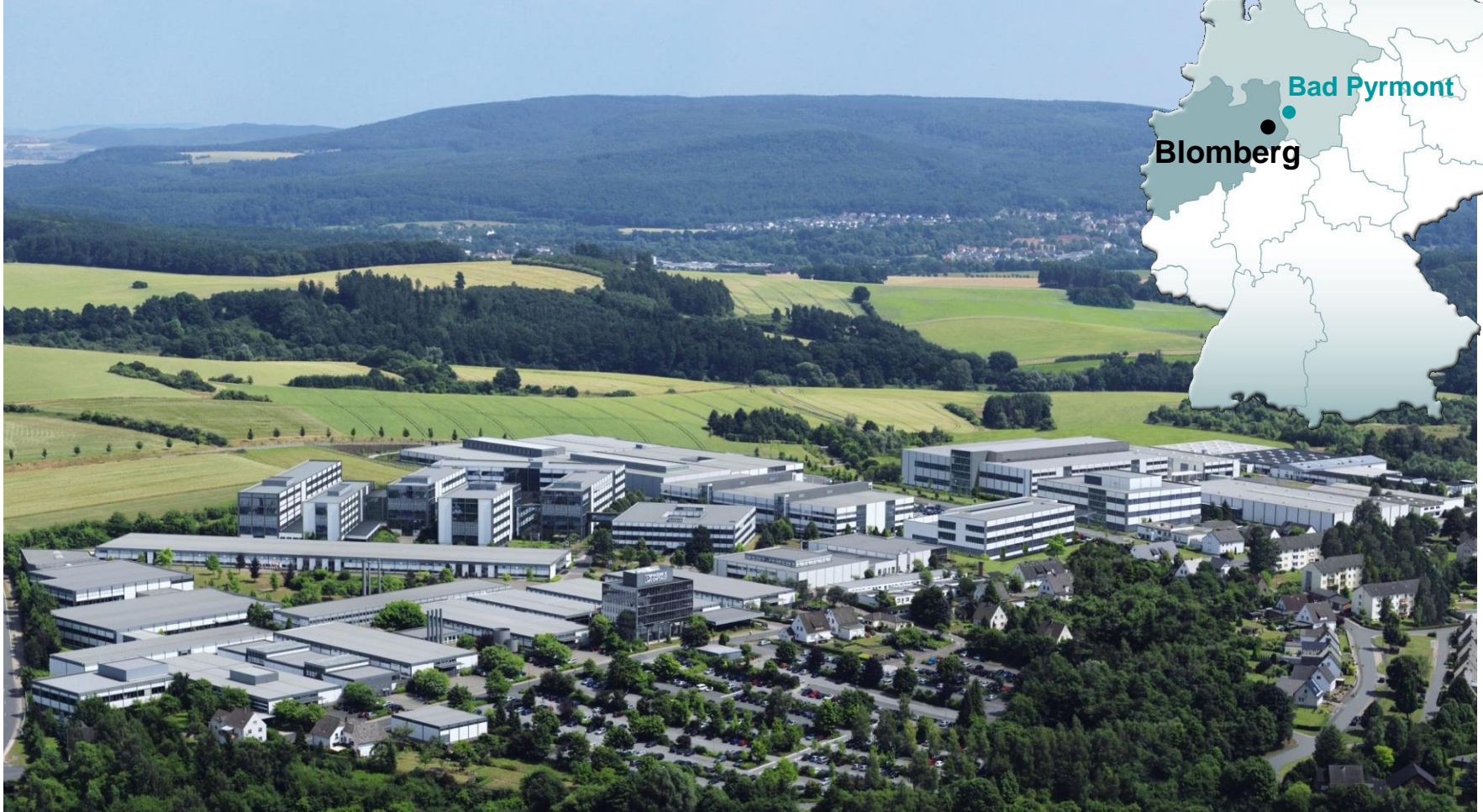


1980s



Today

Corporate Headquarters



Corporate Structure



Headquarters

Segments

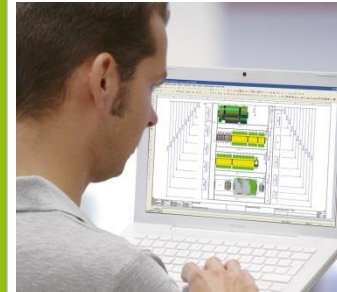
Device
Connectors



Industrial
Components and
Electronics



Control and
Industry
Solutions



Support Units

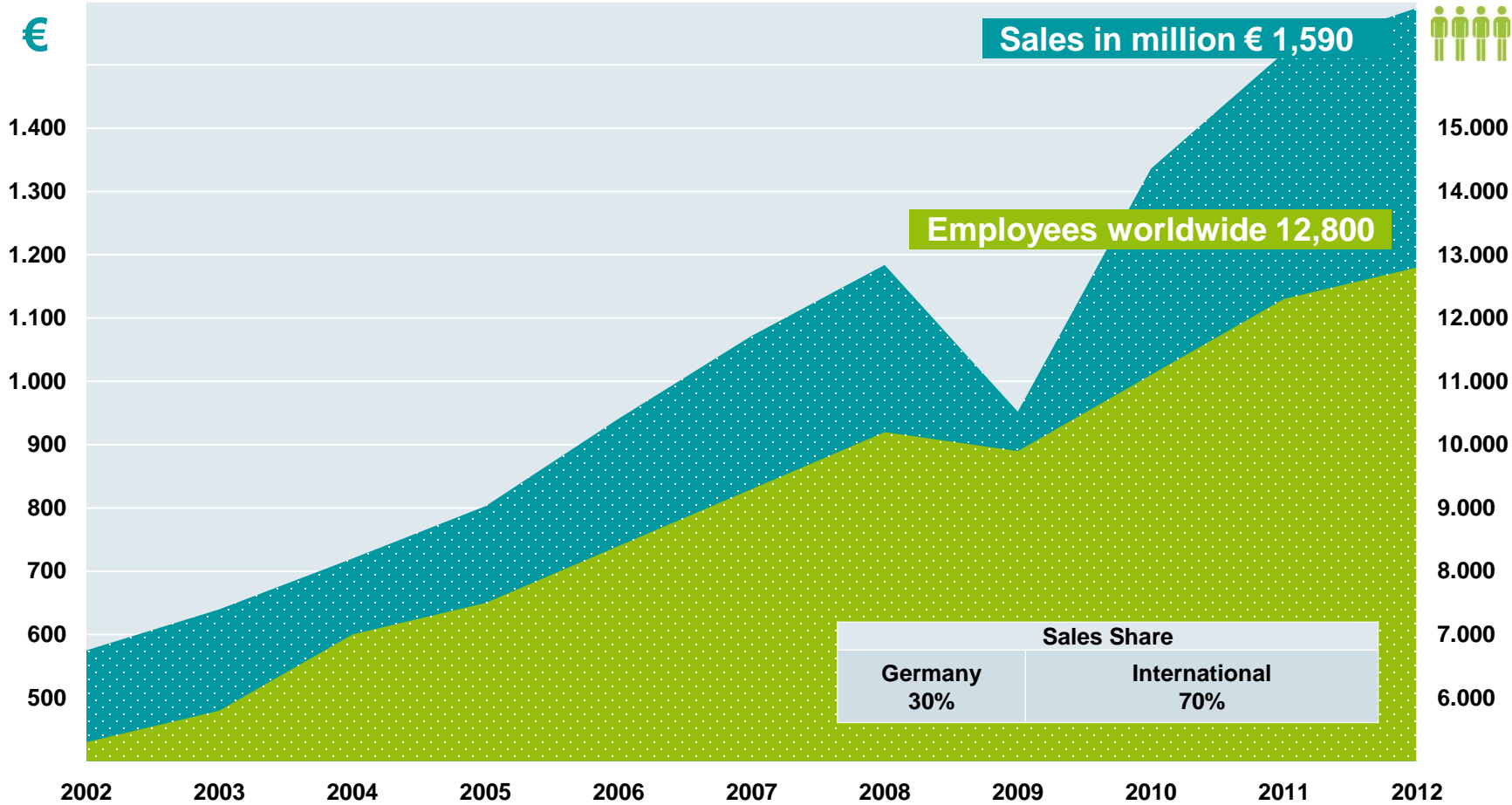
Support Units

International Sales

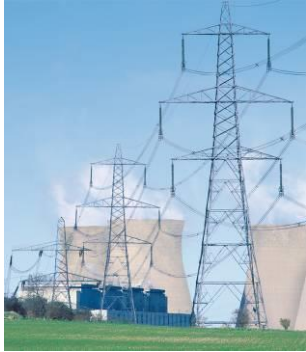
Global Sales



Facts and Figures



Markets



Energy supply



Process Industry



Automotive



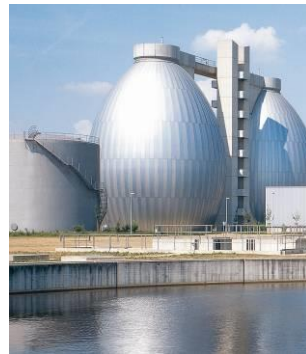
Wind Industry



Tele-communication



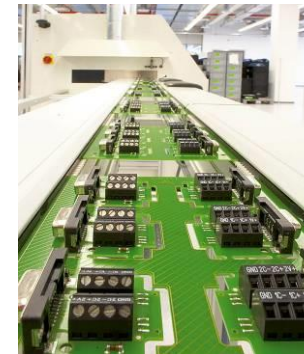
Railway Industry



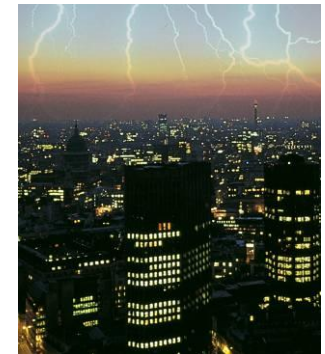
Water management



Machine construction



Industrial electronics



Building automation

Electronic product catalog project

- Phoenix Contact has made electronic catalogs available to its customers for many years
- Due to the increased number of customer enquiries and the high internal costs and processing times



Initiation of the “E-Catalogue” project

- Target: optimization of the creation process and increase of data quality
- Project team from:
 - Corporate Electronic Business
 - Corporate Technology
 - Sales
 - Information technology

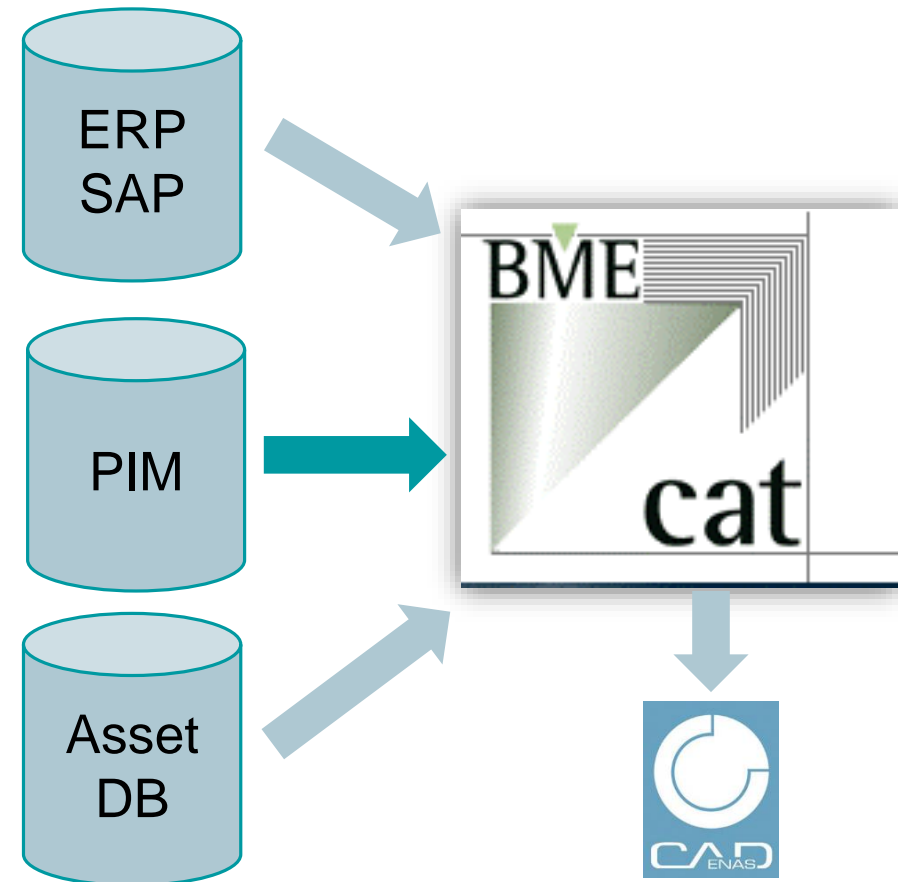


Initial situation of the catalog creation process

- Project steps:
 - Establishment of the current situation
 - Establishment of the requirements
 - Selection of suitable exchange formats
 - Development of solution scenarios
 - Resources and planning for implementation
- The challenge
 - Analysis of the relevant data sources
 - Analysis of the system interfaces

Initial situation of the catalog creation process

- BMEcat is the catalog standard for electronic data exchange in e-procurement
- Transfer of
 - prices
 - logistic data
 - product descriptions
 - classifications
 - images / data
 - documents



Creation of the BMEcat format

- The project team works on the following topics
 - Optimization of the creation process
 - Generation of the format 1.2; 2005 and 2005.1
 - Take-over of the logistics information from the ERP system
 - Mapping of the current versions of the eCl@ss; ETIM; UNSPSC classification standards
 - Mapping of the Phoenix Contact online catalog hierarchy to the BMEcat format
 - Integration of different files as MIME
 - Creation of multilingual catalogs

Automatic PIM data provision as basis for eCATALOG solutions

- eCl@ss content is generated via mapping from the PIM system

5: Produktknoten-Editor: 2866381 TRIO-PS/ 1AC/24DC/20

| Datentyp | Attribut / Referenz | 2866381 TRIO-PS/ 1AC/24DC/20 |
|----------|--------------------------|------------------------------|
| | CAX-Anschluss elektrisch | |
| | Anschlussidentifikator | 1 |
| | X-Position | 11,40 mm |
| | Y-Position | 21,50 mm |
| | Z-Position | 152,50 mm |
| | Verbindungsrichtung | von vorne |
| | Anschluss abziehbar | |
| | Anschlussgruppe | IN |
| | Brückenanschluss | |
| | CAX-Anschluss elektrisch | |
| | Anschlussidentifikator | 2 |
| | X-Position | 11,40 mm |
| | Y-Position | 28,90 mm |
| | Z-Position | 152,50 mm |
| | Verbindungsrichtung | von vorne |
| | Anschluss abziehbar | |
| | Anschlussgruppe | IN |
| | Brückenanschluss | |
| | CAX-Anschluss elektrisch | |
| | Anschlussidentifikator | 3 |
| | X-Position | 11,40 mm |
| | Y-Position | 36,50 mm |
| | Z-Position | 152,50 mm |
| | Verbindungsrichtung | von vorne |
| | Anschluss abziehbar | |
| | Anschlussgruppe | IN |
| | Brückenanschluss | |
| | CAX-Anschluss elektrisch | |
| | Anschlussidentifikator | 4 |
| | X-Position | 102,20 mm |
| | Y-Position | 50,80 mm |
| | Z-Position | 152,50 mm |
| | Verbindungsrichtung | von vorne |
| | Anschluss abziehbar | |
| | Anschlussgruppe | OUT |
| | Brückenanschluss | |
| | CAX-Anschluss elektrisch | |

6: Content-Template - [TMAPPING] Gleichstromversorgung [EC80-0173-1---ADVANCED_1_1_01-ADN782.00

Allgemein Struktur

Struktur

Template Mapping [Gleichstromversorgung]

- ASPECT [Identifikation] (Aspekt Identifikation (8.0) (\$Produktknoten, \$SE-Name, \$Kollektion))
- ASPECT [CAX Anschluss]
- BLOCK [Funktionsgruppe]
- NUM [Anzahl der Anschlüsse]
- IF [Einzelanschluss verfahrenstechnisch] { AttributeValueExist (\$Produktknoten, CAE-Daten;1;)
- ELSF [Einzelanschluss pneumatisch] { AttributeValueExist (\$Produktknoten, CAE-Daten;1;CAX-
- ELSF [Anschlussstecker] { AttributeValueExist (\$Produktknoten, CAE-Daten;1;CAX-Anschluss
- ELSF [Einzelanschluss hydraulisch] { AttributeValueExist (\$Produktknoten, CAE-Daten;1;CAX-
- CONTROL
- ELSF [Einzelanschluss elektrisch] { AttributeValueExist (\$Produktknoten, CAE-Daten;1;CAX-
- BLOCK [Anschlüsse] { Kollektion (, Einzelanschluss elektrisch))
- TXB [Anschlussidentifikator] { mapping (\$Produktknoten, CAE-Daten;1;CAX-Ansch
- AXIS [Position]
- NUM [x] { mapping (\$Produktknoten, CAE-Daten;1;CAX-Anschluss elektrisch;\$
- NUM [y] { mapping (\$Produktknoten, CAE-Daten;1;CAX-Anschluss elektrisch;\$
- NUM [z] { mapping (\$Produktknoten, CAE-Daten;1;CAX-Anschluss elektrisch;\$
- TXB [Verbindungsrichtung] { mapping (\$Produktknoten, CAE-Daten;1;CAX-Ansch
- TXB [Anschlussgruppe] { mapping (\$Produktknoten, CAE-Daten;1;CAX-Anschluss
- BOL [Anschluss abziehbar] { mapping (\$Produktknoten, CAE-Daten;1;CAX-Ansch
- NUM [Anzahl der Teilebeziehungen]
- BLOCK [Teilebeziehung]
- BLOCK [Verdrahtung]
- BLOCK [Bemessungswert für Anschluss]
- NUM [Anzahl der Bemessungswerte]
- TXB
- TXB
- ELSF [Einzelanschluss optisch] { AttributeValueExist (\$Produktknoten, CAE-Daten;1;CAX-Ansch
- NUM [Anzahl der Funktionsgruppen]
- BLOCK [Funktionsgruppe]
- ASPECT [Information]
- ASPECT [Kommerziell]
- ASPECT [Zusatzdokumentation]
- ASPECT [CAX Basis]
- BLOCK [Befestigungsvariante]
- NUM [Anzahl der Sperrflächen]
- NUM [Anzahl der Montageausbrüche]
- AXIS [Befestigungsbezugspunkt]
- NUM [x] { mapping (\$Produktknoten, CAE-Daten;1;Befestigungsbezugspunkt;1;X-Posi
- NUM [y] { mapping (\$Produktknoten, CAE-Daten;1;Befestigungsbezugspunkt;1;Y-Posi
- NUM [z] { mapping (\$Produktknoten, CAE-Daten;1;Befestigungsbezugspunkt;1;Z-Posi
- BLOCK [Montageausbruch]

4: Klassifikations-Editor 2866381 TRIO-PS/ 1AC/24DC/20

Filter ECLASS-8.0 Speichern Filter

ECLASS-8.0

| | 2866381 TRIO-PS/ 1AC/24DC/20 | EC80-0173-1---ADVANCED_1_1_01-ADN782.003... |
|------------------------------|------------------------------|---|
| Identifikation | | |
| Hersteller | | |
| Lieferant | | |
| CAX Anschluss | | |
| Funktionsgruppe | | |
| Anschluss | | Einzelanschluss elektrisch |
| Anschlussidentifikator | | 1 |
| Position | | |
| x | | 11,4 |
| y | | 21,5 |
| z | | 152,5 |
| Verbindungsrichtung | | von vorne |
| Anschlussgruppe | | IN |
| Anschluss abziehbar | | |
| Anzahl der Teilebeziehungen | | 1 |
| Teilebeziehung | | |
| Verdrahtung | | |
| Bemessungswert für Anschluss | | |
| Anzahl der Bemessungswerte | | 0 |
| Anschluss | | Einzelanschluss elektrisch |
| Anschlussidentifikator | | 2 |
| Position | | |
| x | | 11,4 |
| y | | 28,9 |
| z | | 152,5 |
| Verbindungsrichtung | | von vorne |
| Anschlussgruppe | | IN |
| Anschluss abziehbar | | |
| Anzahl der Teilebeziehungen | | 1 |
| Teilebeziehung | | |
| Verdrahtung | | |
| Bemessungswert für Anschluss | | |
| Anzahl der Bemessungswerte | | 0 |
| Anschluss abziehbar | | |



Automatic PIM data provision as basis for eCATALOG solutions

- BMEcat import, automatic creation of article lists and article thumbnails
- All information contained can be searched for in the PARTsolutions software and PARTcommunity portal

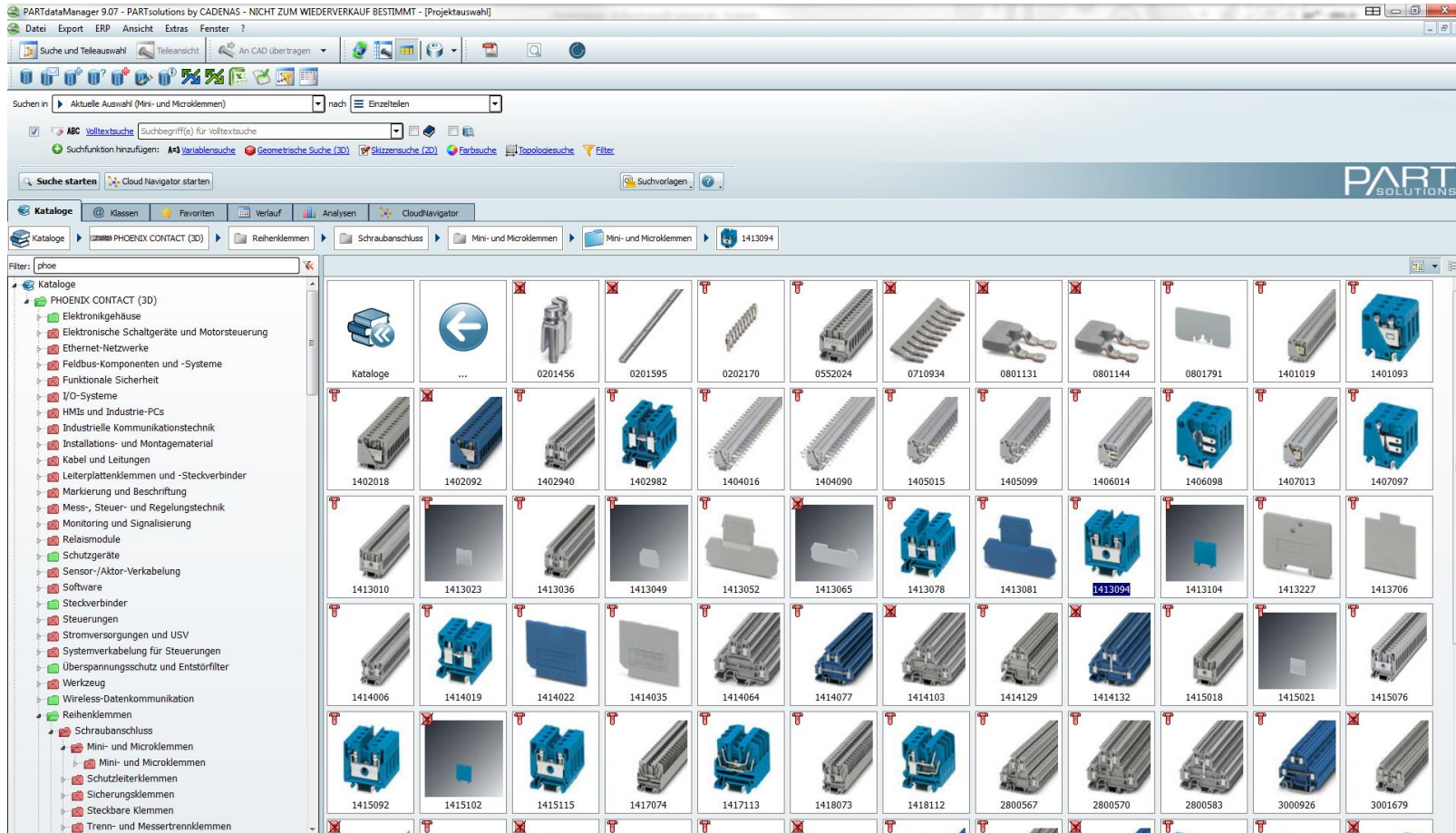


The screenshot displays the PARTdataCenter 9.07 software interface. A dropdown menu is open, showing options: 'Import', 'Datenanreicherung', 'Export', 'Prozesse', and 'Kataloge'. Below the menu, a table lists catalog items with columns for 'abc', 'AAO', 'Phoenix Contact...', 'FBI', 'Montagebügel', 'Feste Brücke', 'Schaltbrücke', 'Abschlussdeckel', 'Einlegebrücke', and 'Abteilungstren...'. The table includes columns for 'ORDER_UNIT', 'CONTENT_UNI', 'IO_CU_PER_O', 'ICE_QUANTI', 'QUANTITY_ML', 'QUANTITY_INTER', 'Produktbild', and 'UI'. A search bar at the top right contains the text 'Suchbegriff eingeben' and '43284 Product(s)'. A sidebar on the left shows a tree view of 'Suchindizes' and 'Attribute'.

| abc | AAO676 | abc | AAO677 | abc | AAO736 | abc | AAO847 | abc | AAP805 | abc | ORDER_UNIT | abc | CONTENT_UNI | 123 | IO_CU_PER_O | 123 | ICE_QUANTI | 123 | QUANTITY_ML | 123 | QUANTITY_INTER | Produktbild | UI |
|-----|---------|-------------------|---------|-------------------|-------------------|-----|--------|-----|--------|-----|------------|-----|-------------|-----|-------------|-----|------------|-----|-------------|-----|----------------|-------------|-----------|
| 1 | 0200017 | Phoenix Contac... | 0200017 | ZSR-EX | Montagebügel | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | http://ww | |
| 2 | 0200020 | Phoenix Contac... | 0200020 | FBI 2- 8 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | http://ww | |
| 3 | 0200046 | Phoenix Contac... | 0200046 | FBI 4- 8 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | http://ww | |
| 4 | 0200059 | Phoenix Contac... | 0200059 | FBI 3- 8 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | http://ww | |
| 5 | 0200062 | Phoenix Contac... | 0200062 | SB 2- 8/13 N | Schaltbrücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 6 | 0200075 | Phoenix Contac... | 0200075 | FBI 2-12 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 7 | 0201029 | Phoenix Contac... | 0201029 | FB 5- 6 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 8 | 0201061 | Phoenix Contac... | 0201061 | D-SSK 0525 KER | Abschlussdeckel | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 9 | 0201113 | Phoenix Contac... | 0201113 | FBI 2-20-EX | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 10 | 0201139 | Phoenix Contac... | 0201139 | EB 10- 6 | Einlegebrücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 11 | 0201142 | Phoenix Contac... | 0201142 | EB 3- 6 | Einlegebrücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 12 | 0201155 | Phoenix Contac... | 0201155 | EB 2- 6 | Einlegebrücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 13 | 0201168 | Phoenix Contac... | 0201168 | FB 3- 6 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 14 | 0201171 | Phoenix Contac... | 0201171 | FB 10- 5,5 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 15 | 0201184 | Phoenix Contac... | 0201184 | FB 10- 6 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 16 | 0201197 | Phoenix Contac... | 0201197 | FB 2- 6 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 17 | 0201223 | Phoenix Contac... | 0201223 | ATS-SSK 0525/1... | Abteilungstren... | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 18 | 0201252 | Phoenix Contac... | 0201252 | FB 4- 6 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 19 | 0201278 | Phoenix Contac... | 0201278 | FBI 3-15 | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |
| 20 | 0201281 | Phoenix Contac... | 0201281 | FB 10- 6-EX | Feste Brücke | C62 | C62 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | 100 | 1 | http://ww |

Automatic PIM data provision as basis for eCATALOG solutions

- Catalog structure & article overview in PARTsolutions



Automatic PIM data provision as basis for eCATALOG solutions

- Selected articles & their characteristics imported into BMEcat in PARTsolutions, incl. multi CAD-Export

The screenshot displays the PARTdataManager 9.07 interface. The main window shows a table with the following data:

| eClass 8.0: | PRODUKT_BILD | IDNR | DESCRIPTION13 | DESCRIPTION14 | ID_MANUFACT15 | MANUFACTURE16 | MANUFACTURE17 | DELIVERY_TIME | SPECIAL_TRE19 | CNSECLASS80 | ORDER_UNIT | CONTENT_UNIT | NO_CU_PER_OU | PRICE_QUAN |
|-------------|--------------|---------|------------------|---|---------------|-------------------------------|---------------|---------------|---------------|-------------|------------|--------------|--------------|------------|
| 1 | | 1413094 | Durchgangsklemme | Durchgangsklemme, Anschlussart: Schraubanschluss, Querschnitt: 0,2 mm² - 4 mm², AWG: 24 - 12, Bre | 1413094 | Phoenix Contact GmbH & Co. KG | MBK 3 BU | 0.000 | NONE | 27-14-11-20 | C62 | C62 | 1.000 | 100.000 |

Below the table, there are three panels:

- Einstellungen:** Benaüungsansichten: Produktbild2; Darstellungsmodi: geometry
- Technische Angaben:** A 3D CAD model of the blue terminal block.
- NB=1413094 LOD=HL_AUTO:** A 3D CAD model of the terminal block in a wireframe view, showing the internal structure and a coordinate system (X, Y, Z).

Automatic PIM data provision as basis for eCATALOG solutions

- PARTsolutions => eCI@ss 8.0 Advanced xml export
- Imported eCI@ss information is exported 1:1

The screenshot displays the PARTdataManager 9.07 interface. On the left, a table lists various ERP and technical data for part 3031238. In the center, a 3D CAD model of a contact component is shown. On the right, an XML export window displays the resulting XML data, which includes product details, features, and templates. A teal arrow points from the 3D model to the XML output.

| ERP_FOM_NUMBER | ERP-Nummer | 13850234450 |
|----------------|-----------------------------------|--------------------------------|
| STATUS | Status | Freigegeben |
| MAT_WERKSTOFF | MAT_WERKSTOFF | Kaufteil |
| LAGER_HQ | Anzahl Lager HQ | 49 |
| LAGER_LOC1 | Anzahl Lager Location 1 | 0 |
| LAGER_LOC2 | Anzahl Lager Location 2 | 0 |
| PRODUKT_BILD | | 24547_1000_int_03.jpg |
| IDNR | Identifikation | 3031238 |
| DESCRIPTION13 | Kurzbeschreibung | Schutzleiter-Reihenklamme |
| DESCRIPTION14 | Langbeschreibung | Schutzleiter-Reihenklamme, ... |
| ID_MANUFACT15 | Artikelnummer des Herstellers | 3031238 |
| MANUFACTURE16 | Name des Herstellers | Phoenix Contact GmbH & Co... |
| MANUFACTURE17 | Hersteller typbezeichnung | ST 2,5-PE |
| DELIVERY_TIME | Lieferzeit | 0.000 |
| SPECIAL_TRE19 | Sonderbehandlungs-kategorie | NONE |
| CNSECCLASS80 | ECLASS 8.0 | 27-14-11-41 |
| ORDER_UNIT | Bestelleinheit | C62 |
| CONTENT_UNIT | Inhaltseinheit | C62 |
| NO_CU_PER_OU | Verpackungsmenge | 1.000 |
| PRICE_QUANT24 | Preisbezugsmenge | 100.000 |
| QUANTITY_MIN | Mindestbestellmenge | 1.000 |
| QUANTITY_INV26 | Mengenstaffel | 1.000 |
| PRICE_EUR_N | Nettopreis [EUR] | 234.900 |
| TAX_N | Umsatzsteuer | 0.190 |
| PRICE_EUR_NC | Preis in EUR kundenspezifisch,... | 234.900 |
| TAX_NC | Umsatzsteuer | 0.190 |
| DEEPLINK2 | | |
| URL1 | DeepLink(en) | DeepLink(en) |
| DEEPLINK2_de | DeepLink2(de) | DeepLink2(de) |
| URL1_de | DeepLink(de) | DeepLink(de) |
| CNSECCLADV8 | | 3031238.xml |

```
<KEYWORD lang="deu">ST-Schutzleiterklammen</KEYWORD>
</PRODUCT_DETAILS>
- <PRODUCT_FEATURES>
  <REFERENCE_FEATURE_SYSTEM_NAME>ECLASS-8.0</REFERENCE_FEATURE_SYSTEM_NAME>
  <REFERENCE_FEATURE_GROUP_ID>27141141</REFERENCE_FEATURE_GROUP_ID>
  <REFERENCE_FEATURE_GROUP_ID2 type="flat">0173-1---ADVANCED-1-1#01
  <ADN897#003</REFERENCE_FEATURE_GROUP_ID2>
  <FEATURE>
  - <TEMPLATE>
    <FT_ID>0173-1#02-AAP403#001</FT_ID>
    <FT_NAME>Number of contact points per level</FT_NAME>
  </TEMPLATE>
  </FEATURE>
  <FEATURE>
  - <TEMPLATE>
    <FT_ID>0173-1#02-AAP30#001</FT_ID>
    <FT_NAME>Number of levels</FT_NAME>
  </TEMPLATE>
  <FT_NAME>1</FT_NAME>
  <FVALUE>2</FVALUE>
  <FID>89610534</FID>
  <FPARENT_ID>-1</FPARENT_ID>
  </FEATURE>
  <FEATURE>
  - <TEMPLATE>
    <FT_ID>0173-1#02-BAC137#004</FT_ID>
    <FT_NAME>Width of spacing</FT_NAME>
  </TEMPLATE>
  <FT_NAME>36.5</FT_NAME>
  <FVALUE>5.2</FVALUE>
  <FID>89610536</FID>
  <FPARENT_ID>-1</FPARENT_ID>
  </FEATURE>
  <FEATURE>
  - <TEMPLATE>
    <FT_ID>0173-1#02-BAC476#005</FT_ID>
    <FT_NAME>height at lowest possible mounting</FT_NAME>
  </TEMPLATE>
  <FT_NAME>36.5</FT_NAME>
  <FVALUE>36.5</FVALUE>
  <FID>89610537</FID>
  <FPARENT_ID>-1</FPARENT_ID>
  </FEATURE>
  <FEATURE>
  - <TEMPLATE>
    <FT_ID>0173-1#02-AAR080#003</FT_ID>
    <FT_NAME>Mechanical and electrical construction (s)</FT_NAME>
```

Automatic PIM data provision as basis for eCATALOG solutions

■ PHOENIX CONTACT @PARTcommunity 3.x Portal

The screenshot displays the PHOENIX CONTACT eCATALOG portal interface. The top navigation bar includes 'Willkommen', 'CAD Modelle', and 'Administration', with a 'powered by CADENAS | Impressum' indicator on the right. The main content area is titled 'Modellauswahl' and features a search bar with the text 'PHOENIX CONTACT'. Below the search bar, there is a 'Navigation' section with 'Allgemein' selected, and a 'Sprache' dropdown menu. A large green box with the text 'Chapter overview' is overlaid on the navigation area. The main content area is a grid of product groups, each with a folder icon, a name, and a date. The product groups include: Elektronikgehäuse (11.12.2013), Elektronische Schaltgeräte und Motorsteuerung (10.12.2013), Ethernet-Netzwerke (10.12.2013), Feldbus-Komponenten und -Systeme (10.12.2013), Funktionale Sicherheit (10.12.2013), I/O-Systeme (10.12.2013), HMIs und Industrie-PCs (10.12.2013), Industrielle Kommunikationstechnik (10.12.2013), Installations- und Montagmaterial (10.12.2013), Kabel und Leitungen (10.12.2013), Leiterplattenklemmen und -Steckverbinder (10.12.2013), Markierung und Beschriftung (10.12.2013), Mess-, Steuerungs- und Regelungstechnik (10.12.2013), Monitoring und Signalisierung (10.12.2013), Reihenklemmen (11.12.2013), Relaismodule (10.12.2013), Schutzgeräte (10.12.2013), Sensor-/Aktor-Verkabelung (10.12.2013), Software (10.12.2013), Steckverbinder (10.12.2013), Steuerungen (10.12.2013), Stromversorgungen und USV (10.12.2013), Systemverkabelung für Steuerungen (10.12.2013), Überspannungsschutz und Entstörfilter (10.12.2013), Werkzeug (10.12.2013), and Wireless Datenkommunikation (10.12.2013). A copyright notice is visible at the bottom of the grid. On the right side, there is a search sidebar titled 'Suche nach CAD MODELLEN' with tabs for 'Volltext', 'Variablen', 'Geometrisch 3D', and 'Skizze 2D'. The search criteria section is highlighted with a green box containing the text 'Article searching'. Below the search bar, there are 'Suchen' and 'Löschen' buttons. The sidebar also includes a 'Voransicht CAD MODELL' section with 'Vorschau' and 'Maßbild' buttons, and a 'Download CAD MODELLE' section with 'Aktionen' and 'Verfügbare CAD MODELLE' sections. A green box with the text 'CAD downloads' is overlaid on the 'Folgende CAD MODELLE' section. The sidebar also includes a 'Niederlassungen Katalog Hersteller' section with an 'Adresse' field and contact information for PHOENIX CONTACT.

powered by CADENAS | Impressum

Modellauswahl

PHOENIX CONTACT

Navigation Allgemein

Zurück Startseite Sprache

Chapter overview

Produkt Gruppen

Elektronikgehäuse 11.12.2013

Elektronische Schaltgeräte und Motorsteuerung 10.12.2013

Ethernet-Netzwerke 10.12.2013

Feldbus-Komponenten und -Systeme 10.12.2013

Funktionale Sicherheit 10.12.2013

I/O-Systeme 10.12.2013

HMIs und Industrie-PCs 10.12.2013

Industrielle Kommunikationstechnik 10.12.2013

Installations- und Montagmaterial 10.12.2013

Kabel und Leitungen 10.12.2013

Leiterplattenklemmen und -Steckverbinder 10.12.2013

Markierung und Beschriftung 10.12.2013

Mess-, Steuerungs- und Regelungstechnik 10.12.2013

Monitoring und Signalisierung 10.12.2013

Reihenklemmen 11.12.2013

Relaismodule 10.12.2013

Schutzgeräte 10.12.2013

Sensor-/Aktor-Verkabelung 10.12.2013

Software 10.12.2013

Steckverbinder 10.12.2013

Steuerungen 10.12.2013

Stromversorgungen und USV 10.12.2013

Systemverkabelung für Steuerungen 10.12.2013

Überspannungsschutz und Entstörfilter 10.12.2013

Werkzeug

Wireless Datenkommunikation

copyright

copyright

Suche nach CAD MODELLEN

Volltext Variablen Geometrisch 3D Skizze 2D

Suchkriterien

Suchtext: Article searching

Suchen Löschen

Voransicht CAD MODELL

Vorschau Maßbild

Keine Vorschau verfügbar.

Download CAD MODELLE

Aktionen

CAD Formate auswählen Alle herunterladen Liste leeren

Verfügbare CAD MODELLE

Folgende CAD MODELLE versandt.

Bitte beachten Sie, dass

CAD downloads

2729800 PDF Download Entfernen

Niederlassungen Katalog Hersteller

Adresse

Katalog: PHOENIX CONTACT
Firma: PHOENIX CONTACT Deutschland GmbH
Straße: Flachmarktstraße 8
Stadt: 32825 Blomberg
Land: Deutschland
Telefon: +49 5235 312 000
E-Mail: info@phoenixcontact.de
Web-Seite: https://www.phoenixcontact.de

Automatic PIM data provision as basis for eCATALOG solutions

■ PHOENIX CONTACT @PARTcommunity portal

The screenshot displays the PHOENIX CONTACT @PARTcommunity portal interface. The top navigation bar includes the company logo, language selection (German), user profile (j.schmeller), and login/logout options. Below the navigation bar, there are tabs for 'Willkommen', 'CAD Modelle', and 'Administration'. The main content area is divided into several sections:

- Modellauswahl:** Shows the current model path: PHOENIX CONTACT > Reihenklemmen > Zugfederanschluss > Schutzleiterklemmen > Schutzleiterklemmen > 3031238 - Schutzleiter-Reihenklemme > CAD MODELL.
- Navigation:** Includes 'Zurück', 'Startseite', and 'Sprache' options.
- Aktionen:** Features buttons for 'Generiere CAD MODELL', 'Generiere PDF-Datenblatt', and 'Angebotsanfrage'.
- Variablen:** Lists variables for the model, including 'PHOENIX CONTACT 3031238'.
- Suche nach CAD MODELL:** A search interface with a search criteria section containing a search text field (3031238) and search buttons ('Suchen', 'Löschen').
- Suchergebnisse:** Displays one search result: '3031238 - Schutzleiter-Reihenklemme PHOENIX CONTACT'.
- Vorschau CAD MODELL:** A preview section with 'Vorschau' and 'Maßbild' tabs. It includes an 'Aktionen' section with a 'Modus 3D Ansicht' button.

The 3D model view shows a detailed 3D rendering of the terminal block. Below the model, a note states: 'Dies ist eine vorgenerierte Standardansicht, die sich von Ihrer Auswahl unterscheiden kann.'

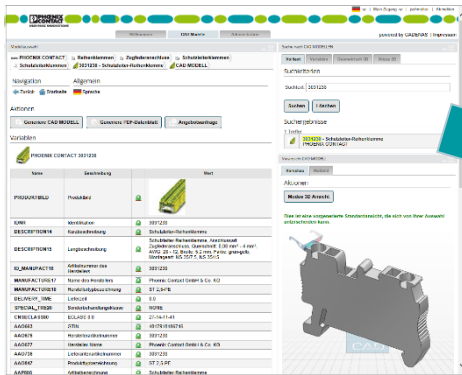
The 'Variablen' section contains the following table:

| Name | Beschreibung | Wert |
|---------------|-------------------------------|---|
| PRODUKTBILD | Produktbild | |
| IDNR | Identifikation | 3031238 |
| DESCRIPTION14 | Kurzbeschreibung | Schutzleiter-Reihenklemme |
| DESCRIPTION15 | Langbeschreibung | Schutzleiter-Reihenklemme, Anschlussart: Zugfederanschluss, Querschnitt: 0,08 mm ² - 4 mm ² , AWG: 28 - 12, Breite: 5,2 mm, Farbe: grün-gelb, Montageart: NS 35/7,5, NS 35/15 |
| ID_MANUFACT16 | Artikelnummer des Herstellers | 3031238 |
| MANUFACTURE17 | Name des Herstellers | Phoenix Contact GmbH & Co. KG |
| MANUFACTURE18 | Herstellertypbezeichnung | ST 2,5-PE |
| DELIVERY_TIME | Lieferzeit | 0,0 |
| SPECIAL_TRE20 | Sonderbehandlungsklasse | NONE |
| CNSECLASS80 | ECLASS 8.0 | 27-14-11-41 |
| AAO663 | GTIN | 4017918186746 |
| AAO676 | Herstellerartikelnummer | 3031238 |
| AAO677 | Hersteller-Name | Phoenix Contact GmbH & Co. KG |
| AAO736 | Lieferantenartikelnummer | 3031238 |
| AAO847 | Produkttypbezeichnung | ST 2,5-PE |
| AAP805 | Artikelbezeichnung | Schutzleiter-Reihenklemme |

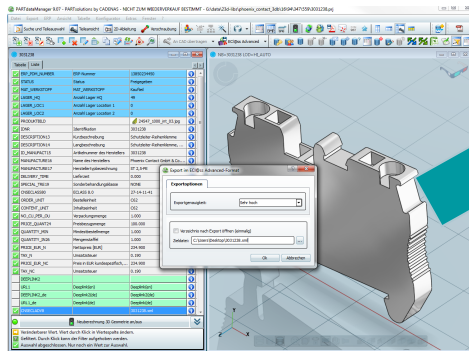
Automatic PIM data provision as basis for eCATALOG solutions

- Available online and offline

PARTcommunity online market place



PARTsolutions for industry customers



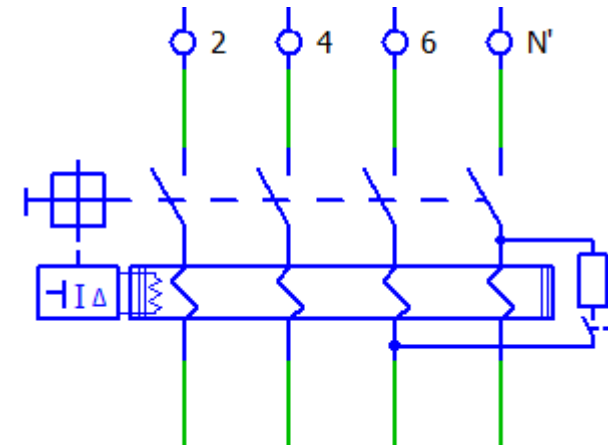
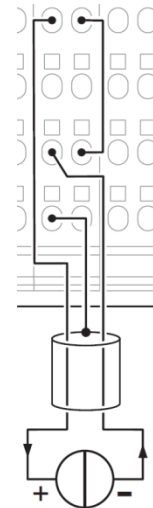
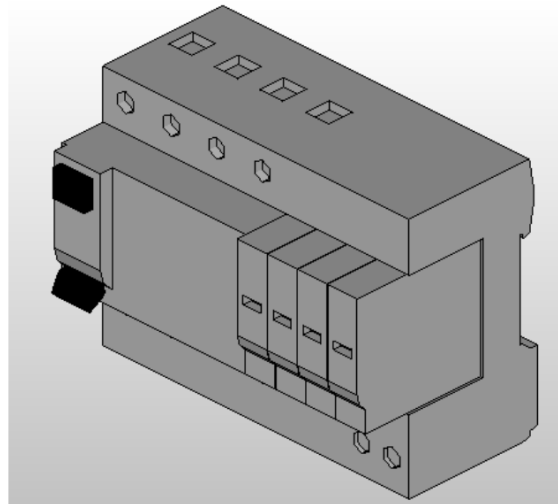
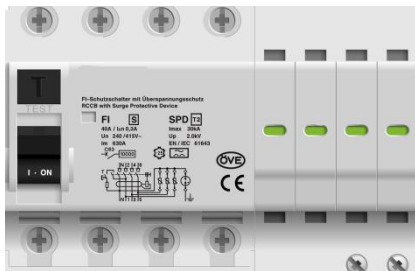
The screenshot shows the SOLIDWORKS software interface. It displays a 3D model of a terminal block and a table of product attributes. The table lists various attributes such as product name, description, and technical specifications. The interface is designed for industry customers to manage their product data.

| Eigenschaftsname | Typ | Wert / Textausdruck | Evaluiertes Wert |
|-----------------------|------|---|----------------------------------|
| 13 PRODUKTBLD | Text | 24547_1000_int_03.jpg | 24547_1000_int_03.jpg |
| 14 IDNR | Text | 3031238 | 3031238 |
| 15 DESCRIPTION13 | Text | Ground modular terminal block | Ground modular terminal block |
| 16 DESCRIPTION14 | Text | Ground modular terminal block, Connection method: Spring-cage | Ground modular terminal block, C |
| 17 ID_MANUFACTURE15 | Text | 3031238 | 3031238 |
| 18 MANUFACTURE16 | Text | Phoenix Contact GmbH & Co. KG | Phoenix Contact GmbH & Co. KG |
| 19 MANUFACTURE17 | Text | ST 2,5-FE | ST 2,5-FE |
| 20 DELIVERY_TIME | Text | 0,000 | 0,000 |
| 21 SPECIAL_TRE19 | Text | NONE | NONE |
| 22 CNSECLASS0 | Text | 27-14-11-41 | 27-14-11-41 |
| 23 ORDER_UNIT | Text | C62 | C62 |
| 24 CONTENT_UNIT | Text | C62 | C62 |
| 25 NO_CU_PER_OU | Text | 1,000 | 1,000 |
| 26 PRICE_QUANT24 | Text | 100,000 | 100,000 |
| 27 QUANTITY_MIN | Text | 1,000 | 1,000 |
| 28 QUANTITY_IN26 | Text | 1,000 | 1,000 |
| 29 PRICE_EUR_N | Text | 234,900 | 234,900 |
| TAX_N | Text | 0,190 | 0,190 |
| 31 PRICE_EUR_NC | Text | 234,900 | 234,900 |
| TAX_NC | Text | 0,190 | 0,190 |
| 33 URL1 | Text | DeepLink(en) | DeepLink(en) |
| 34 DEEPLINK2_de | Text | DeepLink2(de) | DeepLink2(de) |
| 35 URL1_de | Text | DeepLink(de) | DeepLink(de) |
| 36 CNSECLADV8 | Text | 3031238.xml | 3031238.xml |
| 37 MAT_DESCRIPTION_DE | Text | 3031238 | 3031238 |
| 38 DIN_ISO | Text | 3031238 | 3031238 |
| 39 PREIS | Text | 1,5 | 1,5 |
| 40 SUPPLIER | Text | PHOENIX_CONTACT | PHOENIX_CONTACT |

Classification and engineering with eCI@ss 8.0

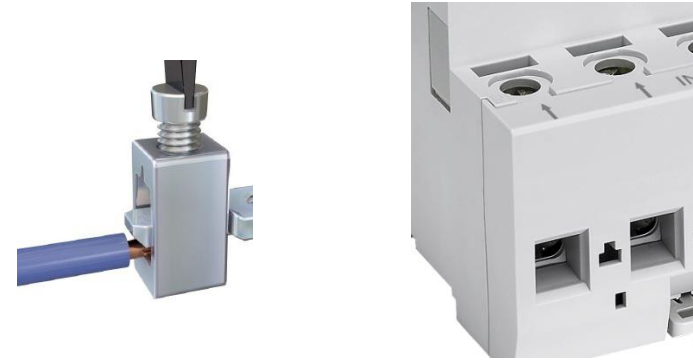
- The following basic distribution of product data is in the CAE tools
 - Article master data
 - Functional description / symbols
 - Graphical illustrations

| | |
|---|--|
| Color | light gray |
| Degree of protection | IP20 |
| Mounting type | DIN rail: 35 mm |
| Ambient temperature (operation) | -25 °C ... 40 °C |
| Ambient temperature (storage/transport) | -40 °C ... 60 °C |
| Width | 121 mm |
| Height | 90 mm |
| Depth | 76 mm |
| Nominal voltage UN | 240 V AC (230/400 V AC ... 240/415 V AC) |
| Nominal load current IL | 40 A |
| Dimensioning error current | 300 mA |
| Rated making and breaking capacity Im | 630 A |
| Screw thread | M5 |
| Stripping length | 16 mm |
| Conductor cross section stranded min. | 4 mm ² |
| Conductor cross section stranded max. | 16 mm ² |
| Conductor cross section solid min. | 4 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section AWG/kcmil min. | 12 |
| Conductor cross section AWG/kcmil max. | 4 |

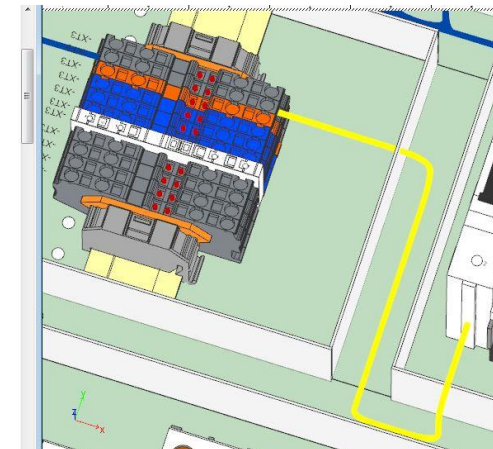
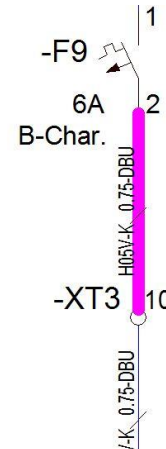
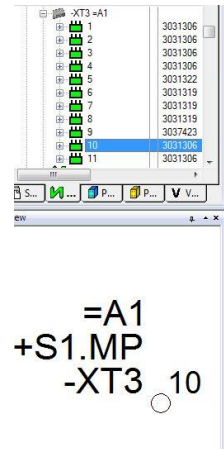
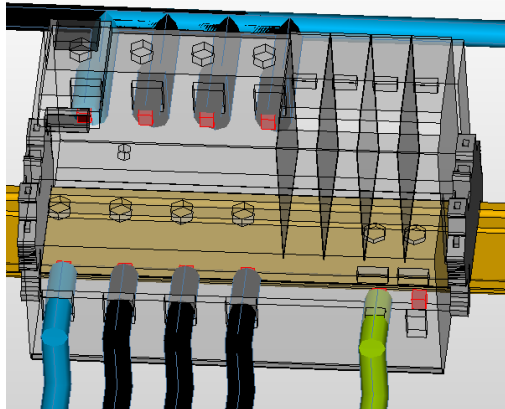
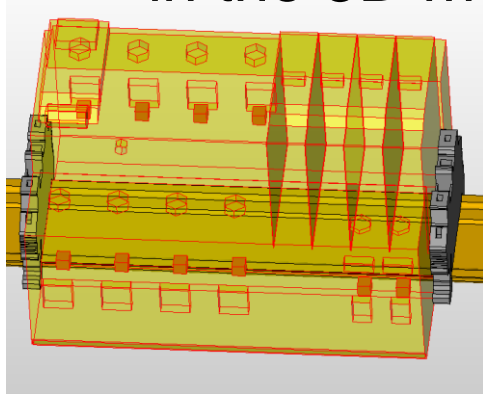


Classification and engineering with eCI@ss 8.0

- Example of connection data
- Illustration of the connection data
 - in the CAE tools
 - in the 3D models



| Zeile | Anschlussbez... | X-Position | Y-Position | Z-Position | Anschlussrich... | Zusatzlänge | Anschlussaus... | Min. Drahtqu... | Max. Drahtqu... | Max. |
|-------|-----------------|------------|------------|------------|------------------|-------------|-----------------|----------------------|-----------------------|------|
| 1 | N | 9,00 mm | 17,10 mm | 23,00 mm | Nach unten | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 2 | 1 | 27,00 mm | 17,10 mm | 23,00 mm | Nach unten | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 3 | 3 | 45,00 mm | 17,10 mm | 23,00 mm | Nach unten | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 4 | 5 | 63,00 mm | 17,10 mm | 23,00 mm | Nach unten | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 5 | PE | 102,25 mm | 10,60 mm | 23,00 mm | Nach unten | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 6 | PE' | 114,15 mm | 10,60 mm | 23,00 mm | Nach unten | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 7 | N' | 9,00 mm | 81,90 mm | 23,00 mm | Nach oben | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 8 | 2 | 27,00 mm | 81,90 mm | 23,00 mm | Nach oben | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 9 | 4 | 45,00 mm | 81,90 mm | 23,00 mm | Nach oben | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |
| 10 | 6 | 63,00 mm | 81,90 mm | 23,00 mm | Nach oben | 0,00 mm | Schraubklem... | 4,00 mm ² | 16,00 mm ² | 2 |



Classification and engineering with eCI@ss 8.0

Data maintenance

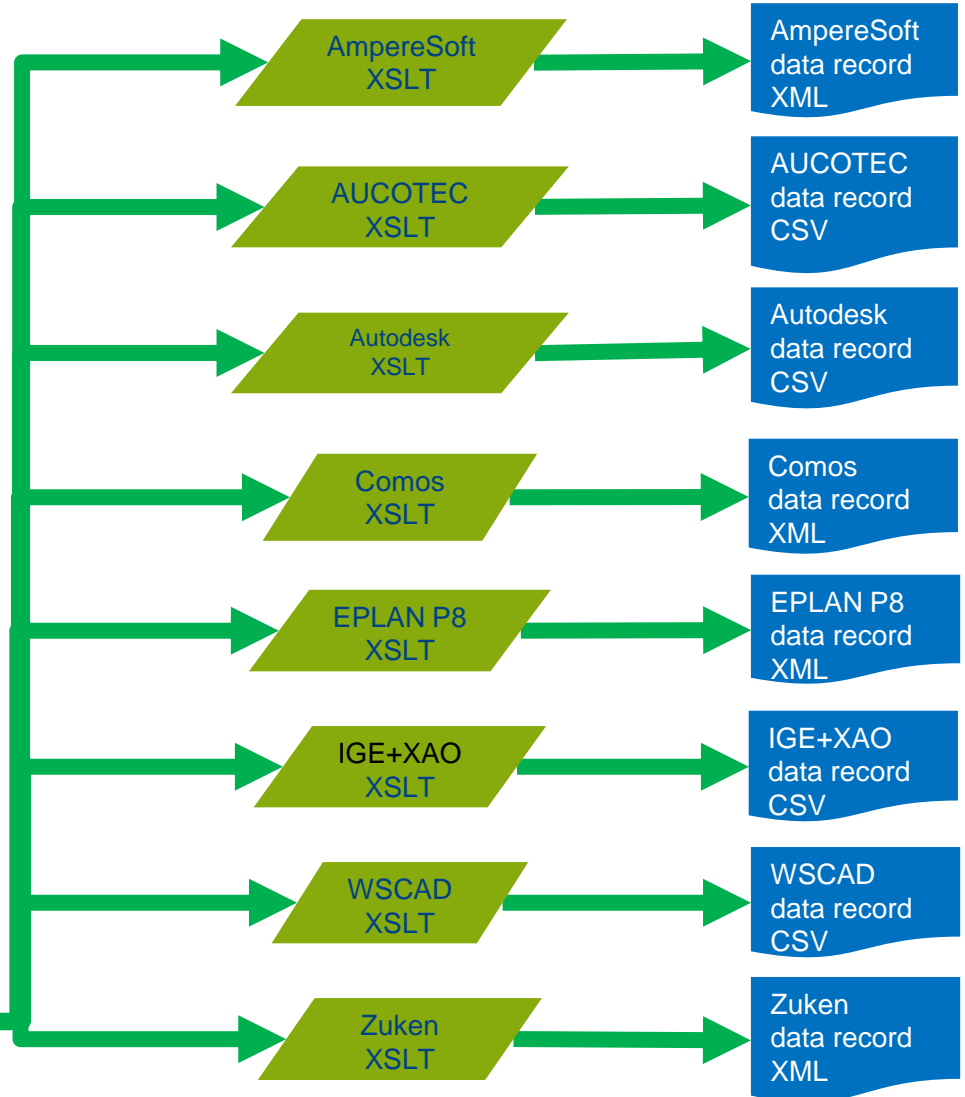


PIM
Product
Information
Management

Technical data,
text, images, drawings,
references,
classifications...

Data export

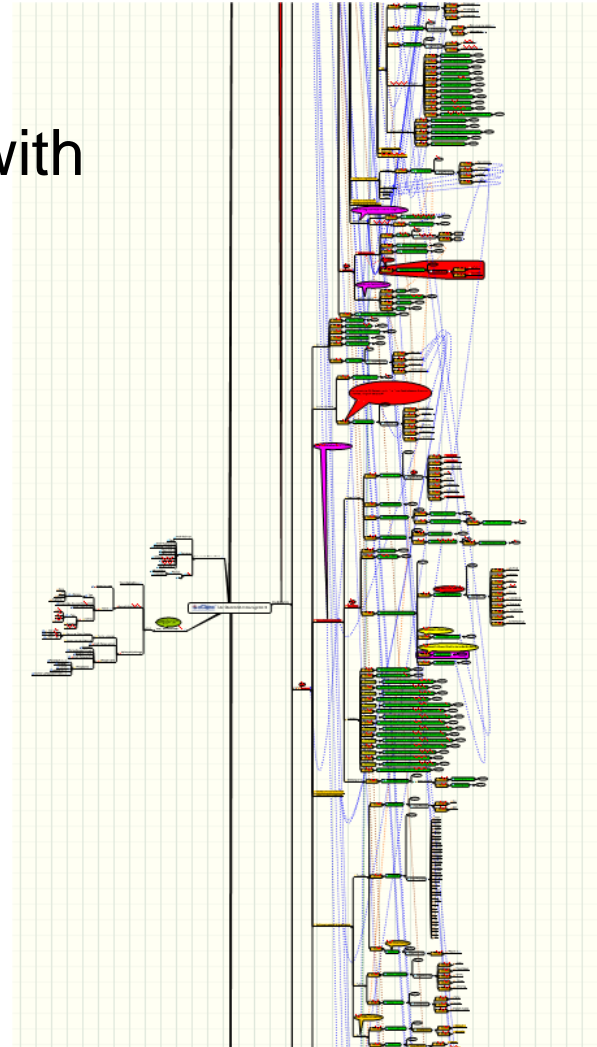
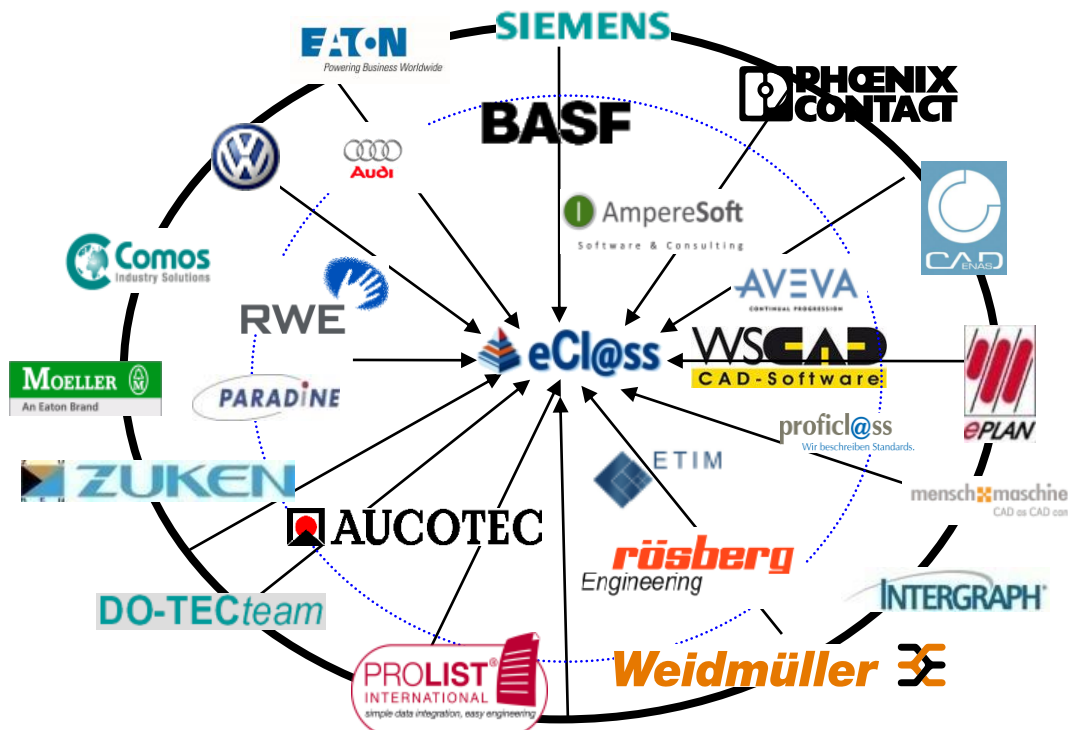
CAE-xml data
Files: bmp;
dxf; ema; jpg;
stp; ...



Classification and engineering with eCl@ss 8.0

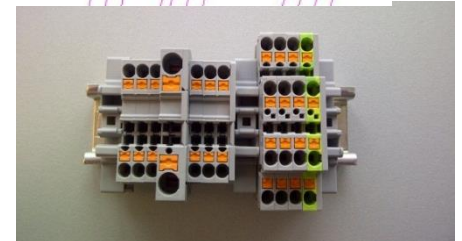
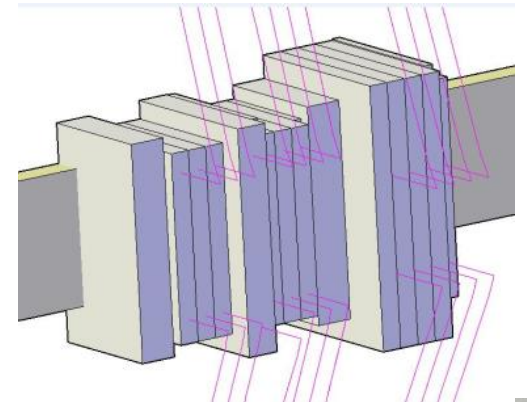
eCl@ss Cax specialist group

- Target: upgrade of the eCl@ss standard with Cax-relevant information from version 7.0
- Result is an import format for all Cax tools



Classification and engineering with eCl@ss 8.0

- Phoenix Contact is committed to the eCl@ss standard
 - Classification of the entire product range
 - Continued improvement of mapping the characteristics
 - Extension of CAx-relevant data in the PIM system



Classification and engineering with eCI@ss 8.0

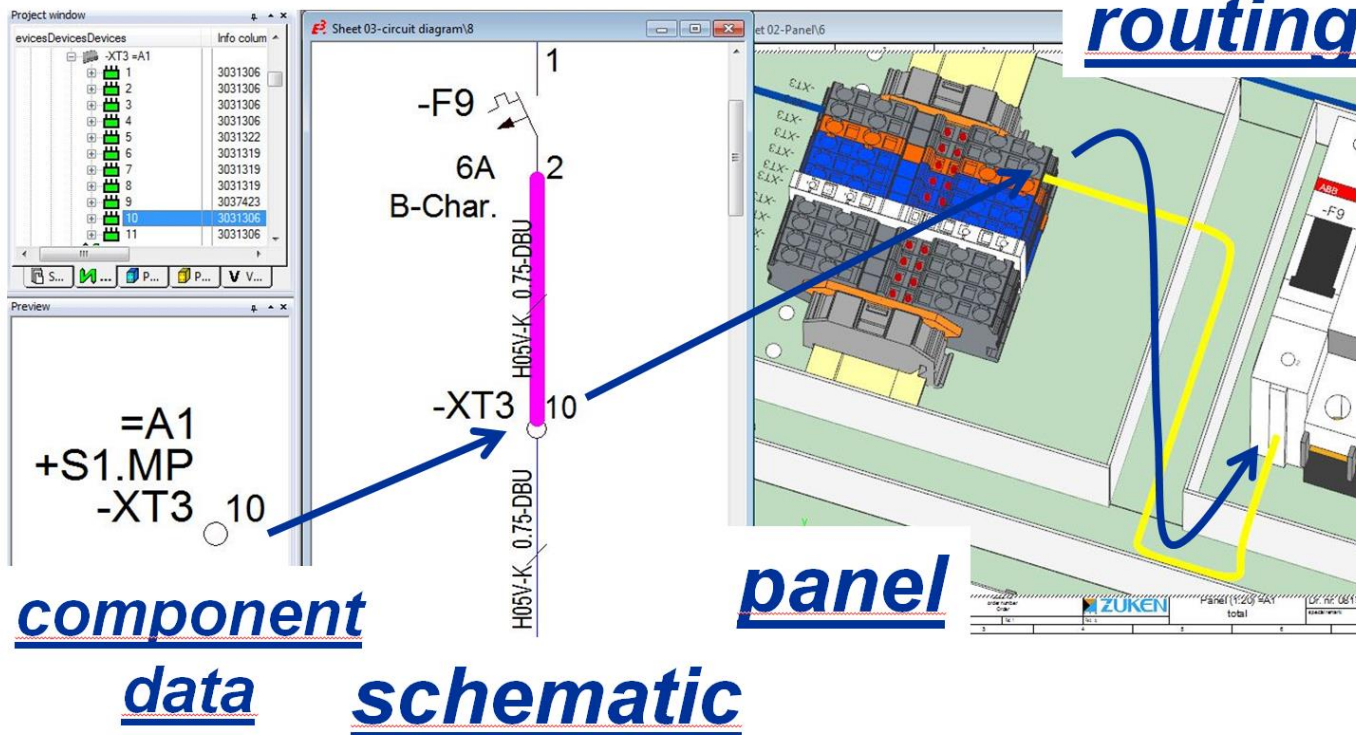
[eCI@ss: it works](#)



[eCI@ss data in E³.schematic and E³.panel](#)



- Example of imported [eCI@ss](#) data in E³.schematic and E³.panel



Thank you for your attention!

eCl@ss CAX specialist group at the SPS/IPC/Drives 2013

