



Electrical Cabinet Library

Industry-standard component library for routed systems designers

Start designing straight away with an industry-standard Electrical Cabinet Library for Creo Schematics™ and Creo® Cabling

Electrical Cabinet Component Library

Ensure every detail of your design intent is fully realised in both Creo Schematics™ and Creo® Cabling with the help of the newly released Electrical Cabinet SMARTPart Library from Virtual Interconnect.

Benefits

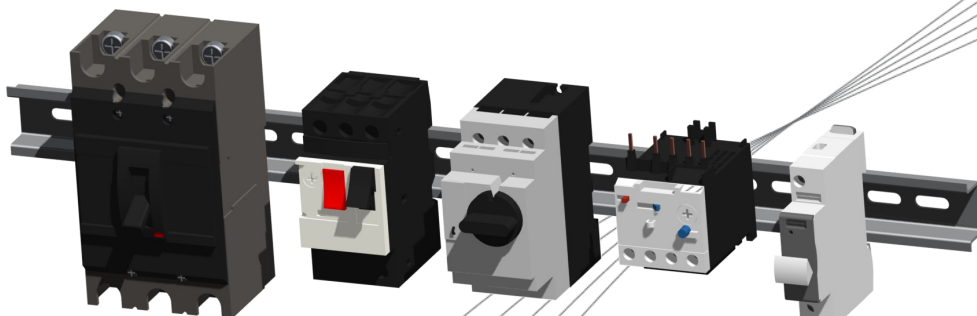
With a SMARTPart library from Virtual Interconnect you'll save time and money at both the front and back end of your projects. Containing over 400 fully validated plug and play components instantly available to your engineers, you'll be able to leap straight into implementing your designs without the extensive delays associated with library generation. Most importantly, the risks associated with the non-compliance of parts will have been completely removed.

A Library for Your Needs

The Electrical Cabinet SMARTPart Library has been designed to include all the symbols, compound symbols, and components required to model electrical systems for distribution and control including: Industrial and Domestic, Single and Three-Phase, Low and High Voltage applications. In addition to the SMARTPart components, our libraries include over a hundred suitable cables and wires, along with four drawing templates. The table below gives more details:

- SmartPart Features:**
- Fully validated with Creo Schematics and Creo® Cabling
 - All circuit symbols are drawn to the IEC 60617 Standard
 - Wire datatables are to UL 1007 and UL 1015
 - Cable datatables are to UL 44 standard
 - All symbols are supplied with associated geometry and datatables
 - Global Parameters file
 - Physical geometry for Creo Parametric™
 - Available in mm or inches

Library	Description	Components	Terminals	Geometry	Total Components	Cables	Wires	Total Cables and Wires	Templates
Electrical Cabinet	Components approved for Electrical Cabinet applications	310	50	50	410	25	111	136	4



www.virtual-interconnect.com

LEADING THE WAY IN ROUTED SYSTEMS



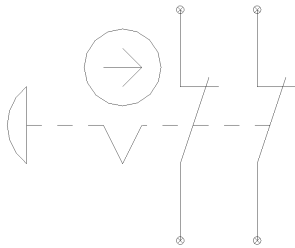
Electrical Cabinet Library v1.0.0

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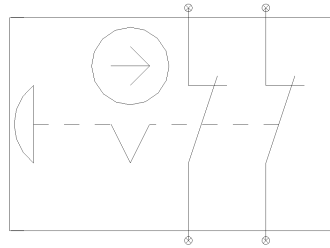
Data Sheet



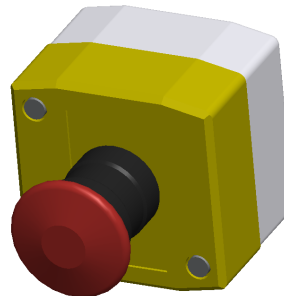
Schematic Symbol



Wiring Symbol



3D Model



Datatable

Parameter Name	Value	Calculate
def_grouping	Round	<input checked="" type="checkbox"/>
def_internal_len	10	<input type="checkbox"/>
ful_name	XALK178F	<input type="checkbox"/>
gender	FEMALE	<input type="checkbox"/>
layer	DEF_LINES	<input type="checkbox"/>
manufacturer	SCHNIEDER ELECTRIC	<input type="checkbox"/>
manufacturer_part_no	XALK178F	<input type="checkbox"/>
manufacturer_series	HARMONY XALK SERIES	<input type="checkbox"/>
max_operating_temp	70	<input type="checkbox"/>
model_name	XALK178F	<input type="checkbox"/>
num_of_pins	4	<input type="checkbox"/>
obj_type	CONNECTOR	<input type="checkbox"/>
part_number	XALK178F	<input type="checkbox"/>
ref_des	UNSET	<input type="checkbox"/>
sheeta	XALK178F_SH525,XALK178F_SH621	<input type="checkbox"/>

What's Included

Our Electrical Cabinet Library includes a comprehensive set of Wiring Symbols and 3D Models including:

- Distribution Blocks
- Transformers
- Single/Three-Phase
- Inverters
- Busbars
- LEDs
- Ring Terminals
- DIN Rails
- Terminal Blocks
- Forks
- Switches
- Fuses
- Fuse Holders
- RCD
- RCCB
- RCBO
- MCBs
- MCCBs

Maintenance

Our maintenance contract ensures your library is kept up-to-date providing you with peace of mind.

Legacy Libraries

If you already have 3D geometry or 2D electrical symbol libraries, there is no need to start again. Contact us; we can help you convert them into their Creo equivalents.

Find out more

Contact us to talk about your specific needs or visit our web shop: www.virtual-interconnect-shop.com where you can download a free sample of our models, data sheets and a full inventory for the Electrical Cabinet library.

Customisation

Need additional components? If our standard Electrical Cabinet library doesn't quite meet your requirements why not talk to us about customisation.

Also Available

SmartPart libraries are available for:

- AEROSPACE & MILITARY
- MILITARY STANDARDS
- INDUSTRIAL COMPONENTS
- SPECIALIST VEHICLE

2D libraries for Creo Schematics:

- IEEE 315-1975
- PROFESSIONAL P&ID
- IEC 60617:2012
- STARTER P&ID
- ISO 1219-1

HOW TO BUY

Visit our web shop
www.virtual-interconnect-shop.com or
 contact us to discuss your requirements.



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