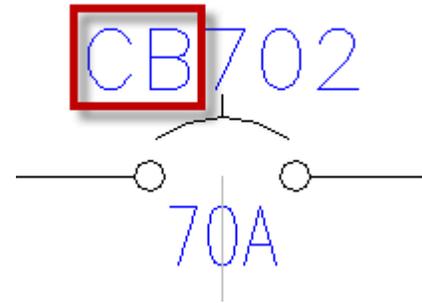


# AutoCAD Electrical Family Naming

AutoCAD Electrical controls naming of components in a schematic with a predefined naming scheme based on commonly used naming conventions. For instance, in the image at the right is a 70A Circuit Breaker on ladder reference 702 with a family code of CB. Sometimes situations arise where the default naming is not what a client or a company desires for their electrical prints. In that case a user may override the project or all projects based on a mapping file.



## Default Family Names

AutoCAD Electrical ships with standard naming for equipment used in the creation of schematics. The complete table can be located in the catalog lookup table which has the default name of default\_cat.mdb.

FAM	DESC	FAM	DESC	FAM	DESC
AM	Ammeters	LS	Limit switches	PX	Proximity switches
AN	Buzzers, horns, bells	LT	Lights, pilot lights	RE	Resistors
CB	Circuit breakers	MISC	Miscellaneous	SS	Selector switches
C0	Connectors/pins	MO	Motors	SU	Surge suppressors
CR	Control relays	MS	Motor starters/contactors	SW	Toggle switches
DN	Device networks	NP	Nameplates	TD	Timer relays
DR	Drives	OL	Overloads	TS	Temperature switches
DS	Disconnect switches	PB	Push buttons	VM	Volt meters
EN	Enclosures/hardware	PE	Photo switches	W0	Cables, multi-conductor cables
FM	Frequency meters	PLCIO	Programmable logic controllers	WW	Wire ways
FS	Flow sensors	PM	Power meters	XF	Transformers
FU	Fuses	PS	Pressure switches	TRMS	Terminals
LR	Latching relays	PW	Power supplies	DI	DIN rails

## User Family Overrides

AutoCAD Electrical allows users to remap their naming conventions based on client specifications or company guidelines. However it is a best practice not to modify the default\_cat.mdb but to create a separate mapping file. This will aid in migration and yearly catalog updates without too much extra effort.

To create a mapping file for newFamily names, create a new text file called **wd\_fam.dat** and place it in a supporting directory or a project location, whichever is pertinent to your mapping of the family names. Modify the file with a text editor and create mappings such as those shown below with the default name followed by a comma and the user override family code. Restart AutoCAD Electrical to have the changes take effect.

