

Reference: Leave Blank] January 2019 Guide by Miles Nicholson

## **Family Codes**

**AutoCAD Electrical 2019** 

Components used in AutoCAD<sup>®</sup> Electrical are named specifically around family codes and these *Family Codes* correspond to the table names found in the default\_cat.mdb database file. When you select **Lookup** to assign a part number, AutoCAD<sup>®</sup> Electrical looks at the 2nd and 3rd character in the symbol's file name and opens the associated catalogue database table. A contactor coil, as an example, has a symbol block name of VMS1 or HMS1 and therefore will look up the MS table when **Lookup** is selected.

The default electrical family tables are as follows:

FAMILY +	DESC -
AM	Ammeters
AN	Buzzers, horns, bells
C0	Connectors/pins
CA	Capacitors
СВ	Circuit breakers
CR	Control relays
DI	DIN rails
DN	Device networks
DR	Drives
DS	Disconnect switches
DV	
EN	Enclosures/hardware
FM	Frequency meters
FS	Flow sensors
FU	Fuses
LR	Latching relays
LS	Limit switches
LT	Lights, pilot lights
MISC	Miscellaneous
MO	Motors
MS	Motor starters/contactors
NP	Nameplates
OL	Overloads
PB	Push buttons
PE	Photo switches
PLCIO	Programmable logic controllers
PM	Power meters

PS	Pressure switches
PW	Power supplies
PX	Proximity switches
RE	Resistors
SS	Selector switches
SU	Surge suppressors
SW	Toggle switches
TD	Timer relays
TRMS	Terminals
TS	Temperature switches
VM	Volt meters
W0	Cables, multi-conductor cables
WW	Wire ways
XF	Transformers

New tables can be added easily. Please see the following *Tips & Tricks*:

Adding a Table to the Catalogue Database











Existing table descriptions can be altered by editing the default\_cat.mdb using Microsoft<sup>®</sup> Access<sup>®</sup>. Open the file and edit the *\_FAMILY\_DESCRIPTION* table.

Table Tools Home Q Tell me what you w File Table External Data Database Tools Fields Cre Ascending Selection -Cut ∑ Totals 造 New ab Ω B Refresh All - Delete - More -Spelling 🛴 Descending 🛛 🔚 Advanced 👻 -) Find View Paste Filter 💉 Format Painter A Remove Sort 🝸 Toggle Filter  $\square$ Views Clipboard - G Sort & Filter Records Fin ✓ « Tables \_\_\_\_\_FAMILY\_DESCRIPTION LISTBOX\_DEF RECNU - FAMILY -DESC \_\_\_\_PINLIST 28 PNEU-FLC Flow cotrol PINLIST AB 29 PNEU-FLT Filters PINLIST ABB 30 PNEU-GAU Gauges Č Cables, multi-conductor cable 52 W0 \_\_\_\_\_PINLIST\_LAPP 53 WW Wire ways PINLIST LEGRAND 54 XF Transformers \_\_\_\_PINLIST\_LG 55 TRMS Terminals \_\_\_\_\_PINLIST\_LITTLEFUSE 56 DI **DIN** rails 57 CA Capacitor PINLIST\_MERLIN GERIN 58 DV PINLIST\_MITSUBISHI \* (New)

Either right click on the table >  $\square$  or double left click on the table.

As an example, you may wish to edit the description for the table DV. Locate DV in the FAMILY column and enter a description in the DESC column.

## E Save the changes

Although a new family can be added into the *\_FAMILY\_DESCRIPTION* table within Microsoft<sup>®</sup> Access<sup>®</sup>, it doesn't create the necessary new table for the family. As an example, for the family of CR, there is also a table within the default\_cat.mdb file called CR.

Therefore, it is strongly recommended that you add new tables as described previously







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