





# SYSTEM MATRIX



The 'System Matrix' (or 'Key Plan') is the module to gather up all the information for a master key system. This module consists of 4 main parts:

-  UP-LEFT **General information for the system** (System code, Owner, Type of system, Brand, Notes).
-  DOWN-LEFT **Cylinder lines.** Each line represents one door/cylinder function.
-  UP-RIGHT **Master keys columns.** Each column is a master key. Individual keys may be indicated in column only in case they operate central locks.
-  DOWN-RIGHT **Connection Grid.** The 'X' symbol in a cell means that the master key in column operates the cylinder in row.

**System**  
This code uniquely identifies the master key system. For new master key systems it is given by CISA and marked on the keys head. For extensions of existing systems it must be written.

**Owner**  
Enter, optionally, the yard, the site or other reference of the project.

**Type of system**  
Enter one of the following options: GMK, MK, CE

**Brand**  
Enter cylinders brand and profile for this system: C2000, ASTRAL, TEKNO, AP3, AP3 UNIKA, RS3. If required, enter the special mechanical profile: C2000-G08D, ASTRAL-W15, AP3-P3...

**Notes/Marking**  
Possible choices for the marking: CN ON KEYS (Standard) or CN ON BODIES AND KEYS or CN-NPN ON KEYS or CN-NPN ON BODIES AND KEYS.

**Row**  
The progressive number that identifies the row.

**CN (Code Number)**  
CN is the number given by CISA to each cylinder and key.. If two of more cylinders are Keyed Alike (KA), even if they are in two different rows, they must have the same code CN.

**Building**  
Enter, optionally, the building description where there is the door where the cylinder will be installed.

**Door designation**  
Enter, optionally, a description of the room or the door where the cylinder will be installed.

**Cylinder quantity**  
Typically 1. If you want to administer multiple identical cylinders (KA) in one line, enter the quantity.

System													Col.
Owner													Col.
Type of system													Key Qty
Brand													NPN
Notes													CN
Row	CN	Building	Door designation	Quantity	Type	Length out	Length in	Fin.	Special Eq	Key qty	NPN	CN keys	CN

**Type**  
If known, enter the CISA article (ex. 0H3S1.07.0) otherwise a description (ex. Double, Double clutching, Knob, Half, Adj. knob, ...)

**Length out./in.**  
Enter the outside and the inside dimensions of the cylinder.

**Column**  
The progressive number that identifies each column of the matrix. Each column is a master key or an individual key, that operates a central lock.

**Type**  
For master keys, enter the type of key (UNIKA, standard, CL ALI keys, ...) or a description that should not be marked on the head.

**Key quantity**  
Enter the number of key copies requested.

**NPN marking**  
Enter, if required, the alpha-numerical designation (max 10 characters) that should be marked on the keys.

**CN (Key Code Number)**  
The code number is given by CISA, it is different for each key, and marked on all keys. In case of extensions, enter the proper code number marked on the key.

**Keys Code Number CN**  
Enter the same CN as the cylinder. If the cylinder is KA of another cylinder, leave the cell empty. If the cylinder is without keys, leave the cell empty.

**NPN marking**  
NPN is a special marking (max 10 characters) required by the customer to better identify cylinders and keys.

**Key quantity**  
Enter the number of individual key copies for this cylinder. If in the row there are more than one cylinder, enter the totale number of keys.

**Special equipment**  
Enter, if required, the special equipment of the cylinder (code of the knob, CL ALI keys, ...).

**Fin**  
Enter the colour of the cylinder (12 nickel, ...).