



KREO HMI TUTORIAL

Objects table on a display page

Tutorial dedicated to the programming of a table of the same object

Connect
Ideas.
Shape
solutions.



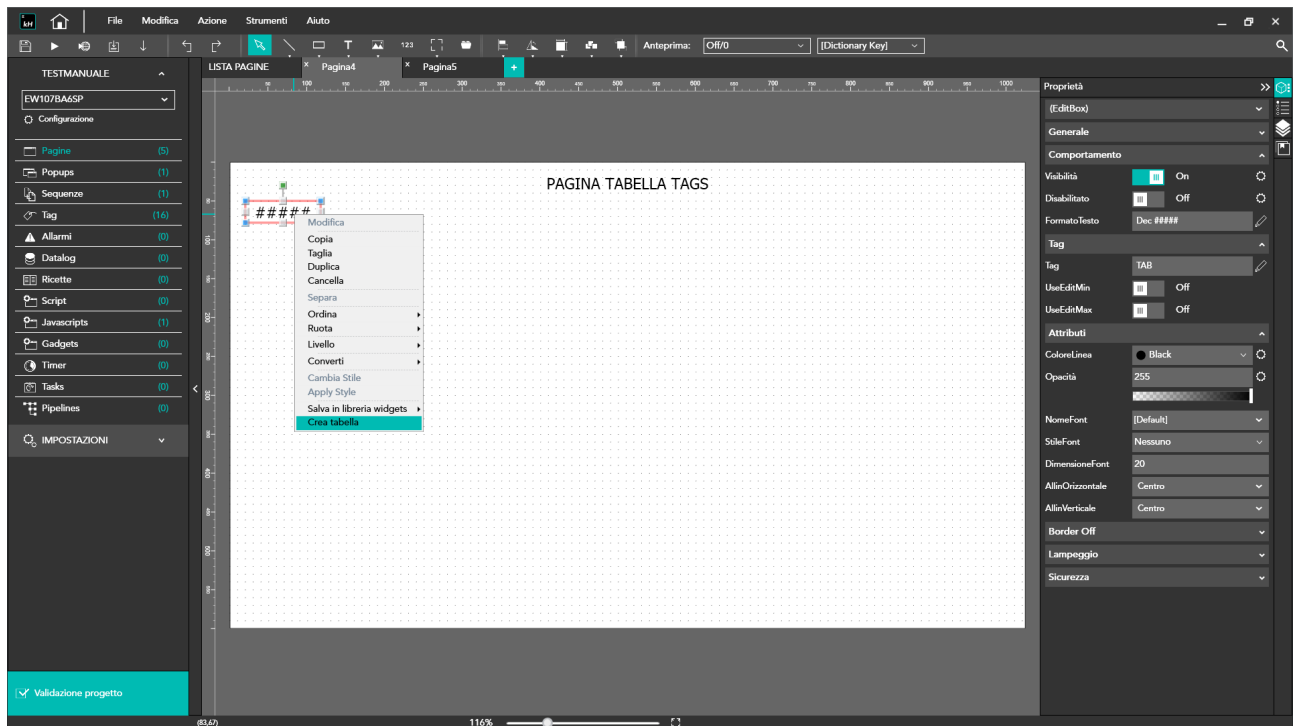
Introduction

It is possible to create in a few clicks a table of objects (numeric fields, graphic objects) divided by rows and columns and associated to the tags.

How to do:

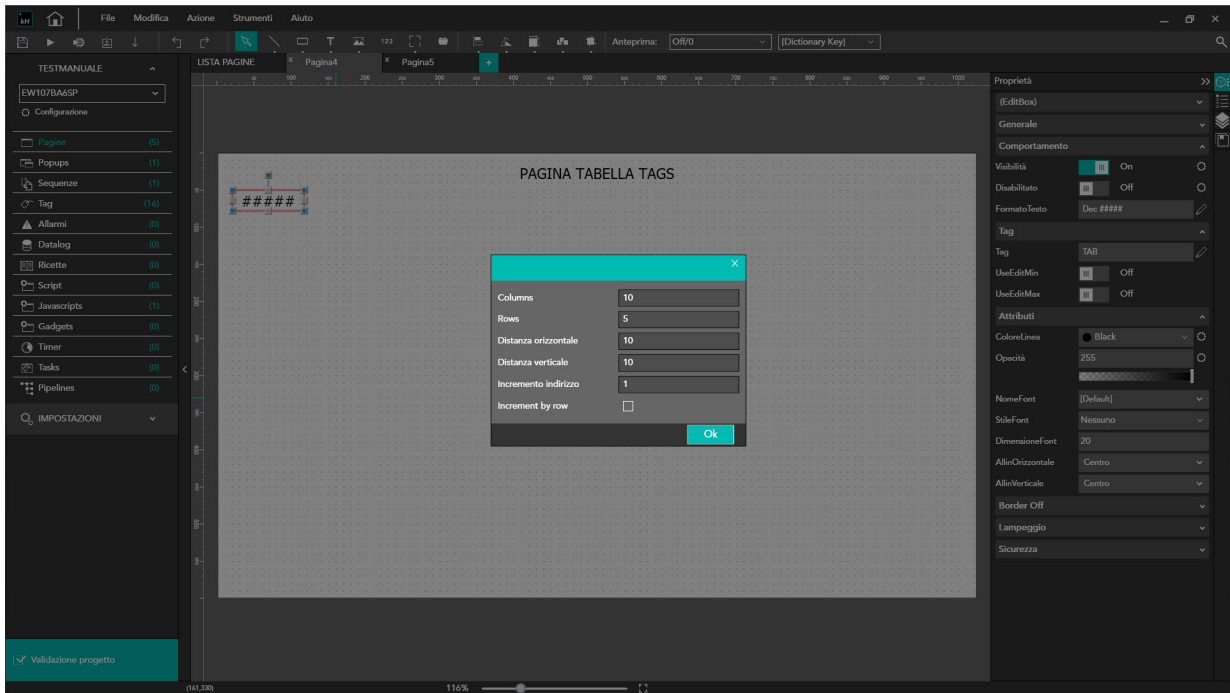
NUMERIC FIELDS:

- 1) You create a simple tag (let's call it TAB) and the associated numeric field
- 2) Select (right-click) CREATE TABLE as displayed below

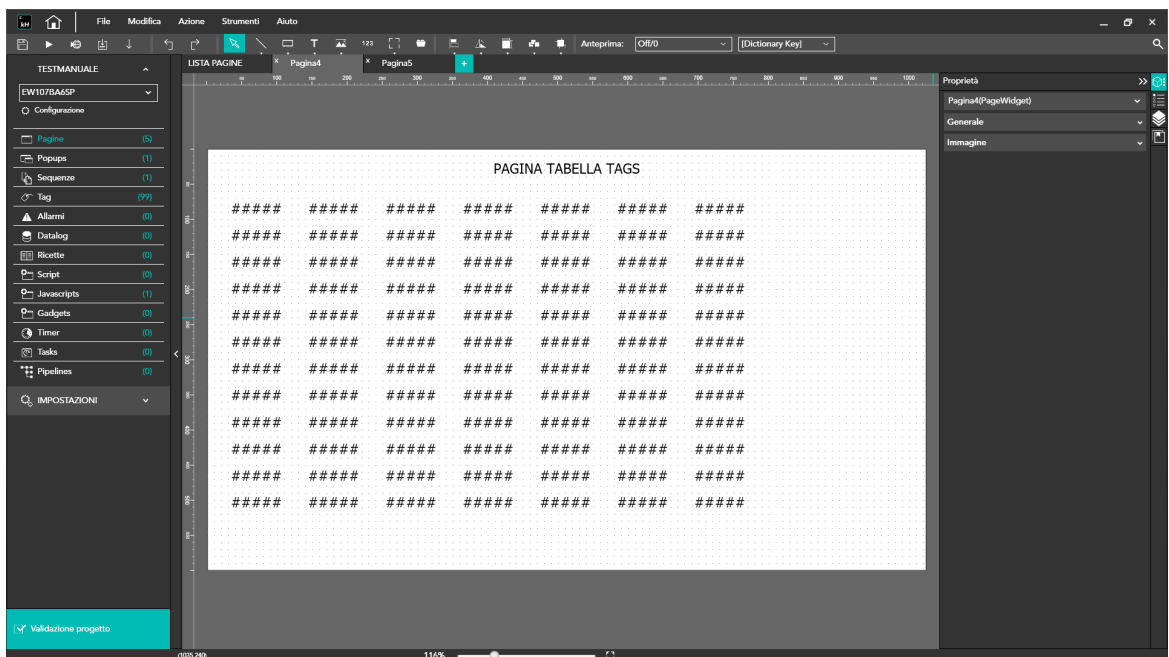




3) you can enter the nr. of rows and columns of the table and the distance between the various fields and the incremental mode of the name and TAG address



4) KREO HMI creates the table of fields





5) the tags are renamed as shown in the image below

Cartella	Nome	Descrizione	Tipo	Tipo indirizzo	Provider	Data Area	Tip
	TAB		Int16	Interna	N/A	N/A	N
	TAB_1_0		Int16	Interna	N/A	N/A	N
	TAB_2_0		Int16	Interna	N/A	N/A	N
	TAB_3_0		Int16	Interna	N/A	N/A	N
	TAB_4_0		Int16	Interna	N/A	N/A	N
	TAB_5_0		Int16	Interna	N/A	N/A	N
	TAB_6_0		Int16	Interna	N/A	N/A	N
	TAB_0_1		Int16	Interna	N/A	N/A	N
	TAB_1_1		Int16	Interna	N/A	N/A	N
	TAB_2_1		Int16	Interna	N/A	N/A	N
	TAB_3_1		Int16	Interna	N/A	N/A	N
	TAB_4_1		Int16	Interna	N/A	N/A	N
	TAB_5_1		Int16	Interna	N/A	N/A	N
	TAB_6_1		Int16	Interna	N/A	N/A	N
	TAB_0_2		Int16	Interna	N/A	N/A	N
	TAB_1_2		Int16	Interna	N/A	N/A	N
	TAB_2_2		Int16	Interna	N/A	N/A	N
	TAB_3_2		Int16	Interna	N/A	N/A	N
	TAB_4_2		Int16	Interna	N/A	N/A	N
	TAB_5_2		Int16	Interna	N/A	N/A	N
	TAB_6_2		Int16	Interna	N/A	N/A	N
	TAB_0_3		Int16	Interna	N/A	N/A	N
	TAB_1_3		Int16	Interna	N/A	N/A	N
	TAB_2_3		Int16	Interna	N/A	N/A	N
	TAB_3_3		Int16	Interna	N/A	N/A	N
	TAB_4_3		Int16	Interna	N/A	N/A	N
	TAB_5_3		Int16	Interna	N/A	N/A	N
	TAB_6_3		Int16	Interna	N/A	N/A	N
	TAB_0_4		Int16	Interna	N/A	N/A	N

6) Note that the tag address will be automatically incremented:

f.e. MODBUS: TAB addr=1, with increment = 1

- TAB_1_0 addr=2, TAB_2_0 addr=3, TAB_3_0 addr=4,...
- TAB_1_1 addr=5, TAB_2_1 addr=6, TAB_3_1 addr=7,...

f.e. SIEMENS: TAB addr=DB10.DBW0, with increment = 2

- TAB_1_0 addr= **DB10.DBW2**, TAB_2_0 addr= **DB10.DBW4**, TAB_3_0 addr= **DB10.DBW6**,...
- TAB_1_1 addr= **DB10.DBW8**, TAB_2_1 addr= **DB10.DBW10**, TAB_3_1 addr= **DB10.DBW12**,...

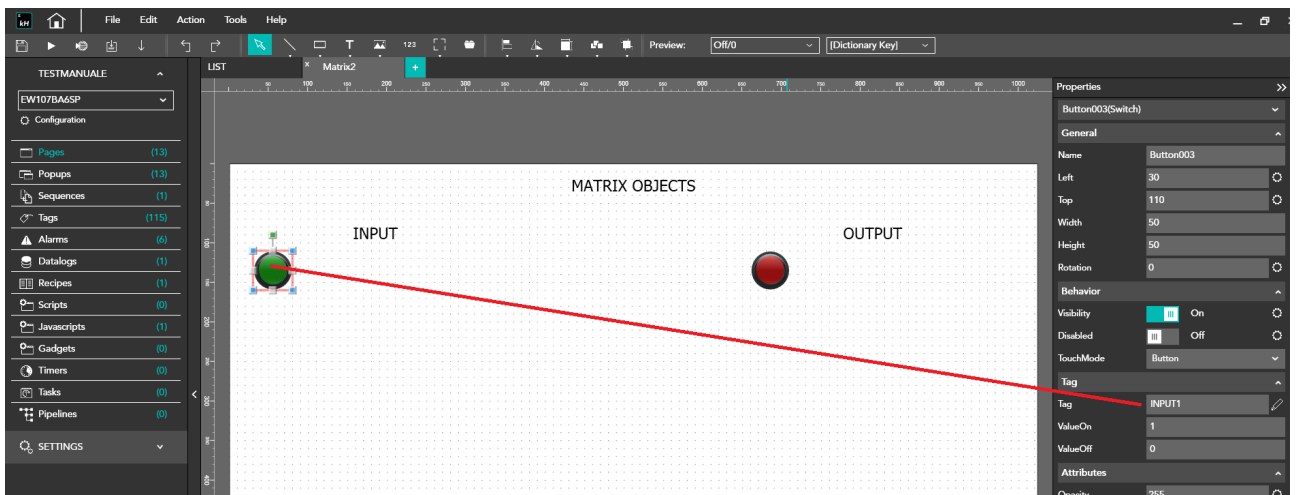


GRAPHIC OBJECTS:

- 1) Suppose you have 12 INPUTS and 24 OUTPUTS to be display.
- 2) Create a simple input1 and output1...

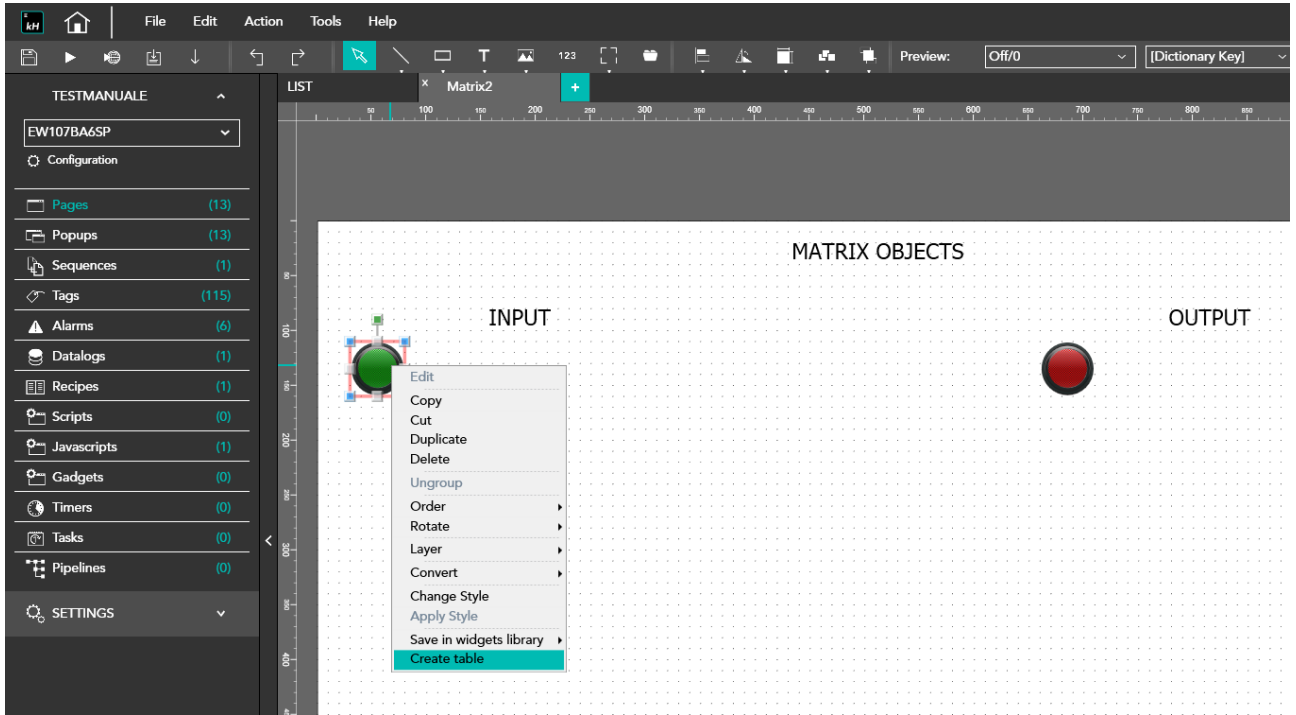
	Folder	Name	Description	Type
104		TagALARMS		UInt16(10)
105		TagWARNING1		Int16
106		TagWARNING2		Int16
107		DL1		Int16
108		DL2		Int16
109		DL3		Int16
110		h		Int16
111		w		Int16
112		d		Int16
113		BoxName		String
114		INPUT1		Bool
115		OUTPUT1		Bool

- 3) Add the LEDs to the page



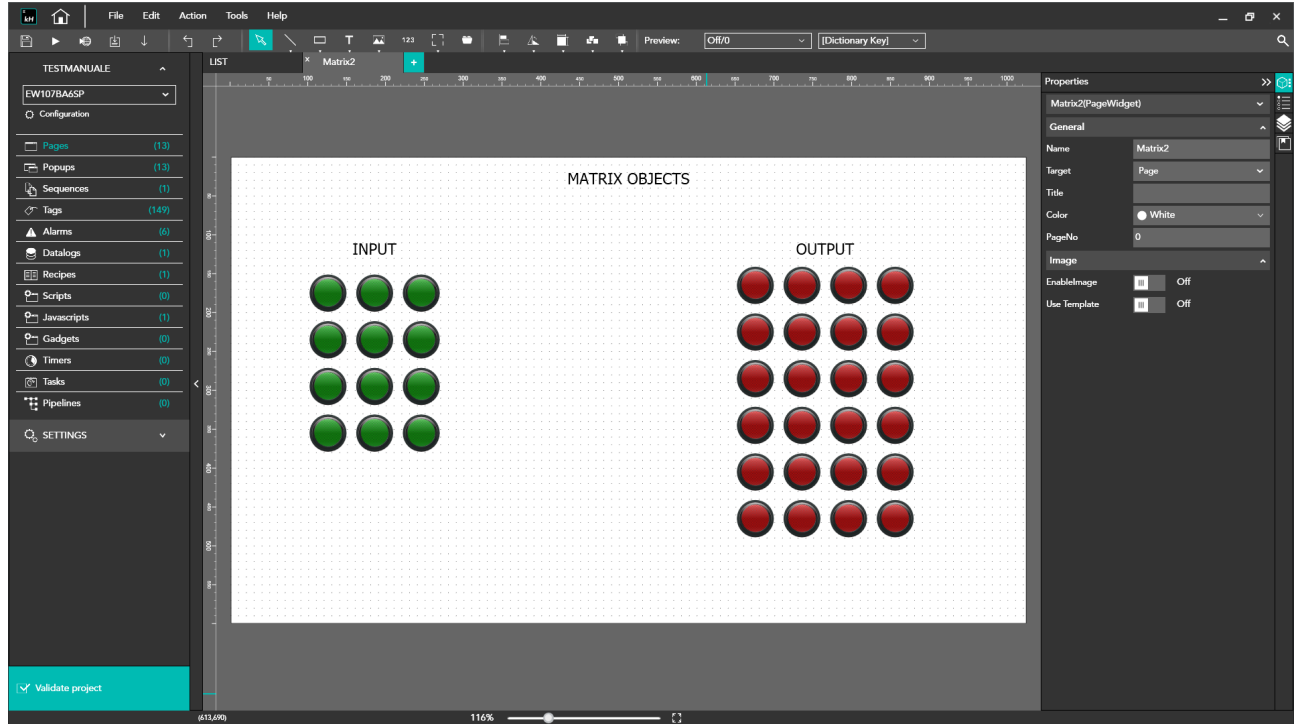


4) Select the graphic objects. Right-click>> CREATE TABLE as displayed below





5) Creates a table of objects.





6) the tags associated are created automatically with incremented address

	Folder ▾	Name ▾	Description ▾	Type ▾
114		INPUT1		Bool
115		OUTPUT1		Bool
116		INPUT1_0_1		Bool
117		INPUT1_0_2		Bool
118		INPUT1_0_3		Bool
119		INPUT1_1_0		Bool
120		INPUT1_1_1		Bool
121		INPUT1_1_2		Bool
122		INPUT1_1_3		Bool
123		INPUT1_2_0		Bool
124		INPUT1_2_1		Bool
125		INPUT1_2_2		Bool
126		INPUT1_2_3		Bool
127		OUTPUT1_0_1		Bool
128		OUTPUT1_0_2		Bool
129		OUTPUT1_0_3		Bool
130		OUTPUT1_0_4		Bool
131		OUTPUT1_0_5		Bool
132		OUTPUT1_1_0		Bool
133		OUTPUT1_1_1		Bool
134		OUTPUT1_1_2		Bool
135		OUTPUT1_1_3		Bool
136		OUTPUT1_1_4		Bool
137		OUTPUT1_1_5		Bool
138		OUTPUT1_2_0		Bool
139		OUTPUT1_2_1		Bool
140		OUTPUT1_2_2		Bool
141		OUTPUT1_2_3		Bool
142		OUTPUT1_2_4		Bool



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