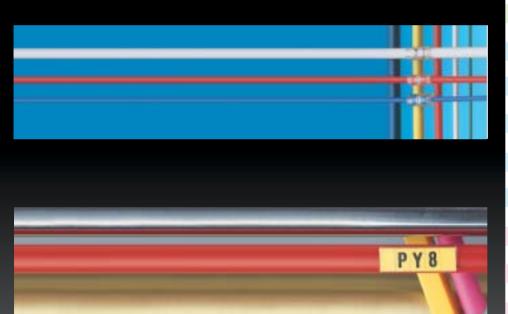


INDICE

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THE SI 2000 WORLD	4
SI2KPRINT1 The innovation	on6
Loading	12
Complete System	15
Accessories	16
Tags for Cables	17
Tags for Terminal Blocks	18
PVC Tags and strips	20
Methacrylate Tags and strip	s30
PLOTTER SYSTEM	36
Series SI Accessories	39
Series SIHF	44
Series SIT	53
Firma	69
Laser	72
TRASP SYSTEM	78
Series 100	80
Series 200	91
Series 300	92
Series 700	93
Series 800	95
Series 900	96
Ready Kit	96
Starter Kit-Micro Kit-Box-Case	97
Mark Shop	101
UNITEMS	102
TARGA	103
Series TGT	104
Series TGN	105
Series TGX	107
GrafoRing	112
GrafoWrap	114
Ties for wiring	115
Insulating sleeves	115
GrafoLab	116
Waxed string/Felt-tip pen	117
Control label	117
Sheath / Spiral band	119
Insulated end sleeves	120
Grafit	121
GRAFOMARK	126
Series LA	127
Series LC	129
Series LCX	131
Using tables	132
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GRAFOPLAST ART









UGO NESPOLO



LUCIO DEL PEZZO

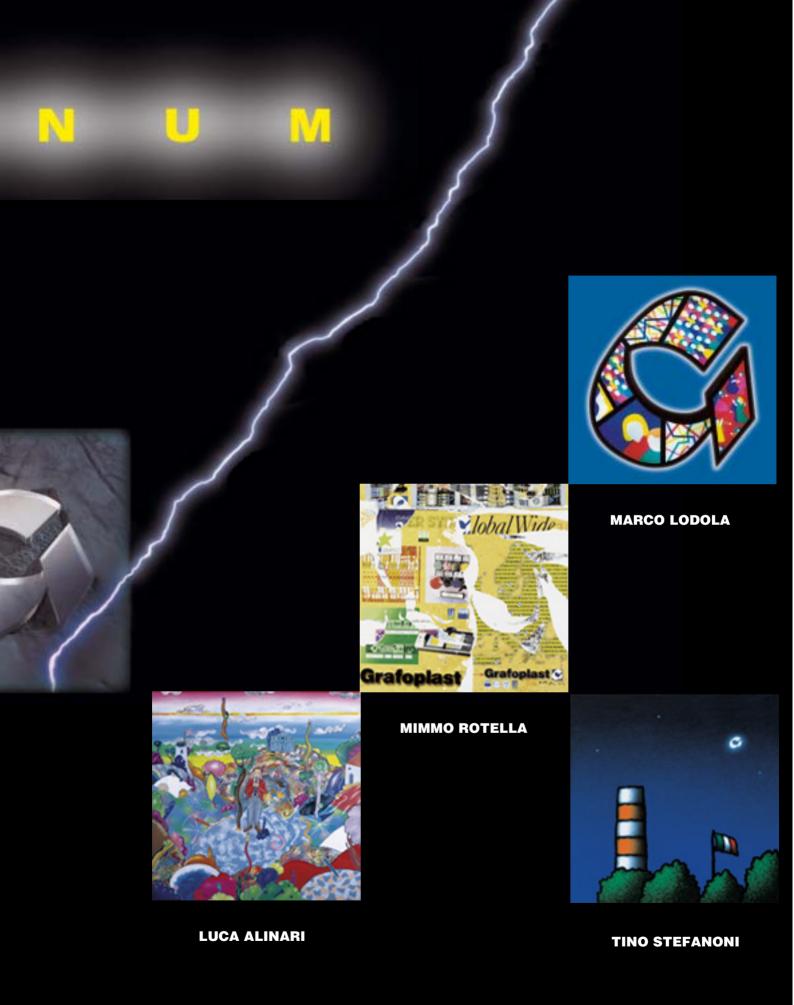
CARLOS PUENTE



BRUNO DONZELLI



ROBERTO FIGLIOLINI





THE WORLD O

Simplo2000 Multiprint is a software application designed by Grafoplast for marking cores, cables, components and equipment. It is exceptionally user friendly, information is displayed on screen through a simple and perceptive interface. With just a few basic steps a series of idents are

created on screen (alphabetical numerical or even imported logos) these can easily be modified at any time prior to generation. Once the information has been confirmed very quick, high quality results are obtained. With Simplo2000 several operations can be carried out simultaneously on different external devices (all plotters, laser printers, SI2K), offering the ultimate in flexibility and vast timesaving.

Let's take a look at some of the programme features:

- Compatibility with all Windows operating systems (95, 98 Nt (service pack 6) 2000.XP)
- Available in 5 languages with handbooks and help on line
- Compatibility with all screen resolutions: 640x480, 800x600, 1024x768
- Management of all Windows True Type fonts. In particular, for the plotter the Grafoplast font used is designed to have just one pass of the pen
- Complete library of the symbols used in the electrotechnical sector
- Complete management of characters: vertical and horizontal dimensions, horizontal spacing, line pitch, 0 to 360 degrees rotation
- Definition of all text attributes (vertical and horizontal alignment, vertical writing, compacting into the writing space, colour management) and capacity to write on several lines.
- Management of character properties: bold, italics, bold and italics
- Clipping management on the screen and in printing. When a text exceeds the size of the label a warning is displayed on the screen in red.
- Compatibility of the most common image formats (gif, jpg, jpeg, bmp,wmf) with horizontal and vertical arrangement functions
- Integrated Graphic Editor for plate customising with the possibility to insert several images in the same item, using different fonts, inserting the fixed parts and the variable parts of the text.
- Complete printing functions, possibility to define repetitions, grouping, change the print starting position and also to address the printing onto an item that is not the one you are working with on the screen. You can print a file generated for the plotter on an A4 (297x210 mm) sheet to check if data is correct.
- Optimising space on hard disk to save prepared files
- Copy and paste utility between the different Windows applications
- Compatibility with the most widely used CAD programmes

Other services offered by Grafoplast:

- Free downloading from the www.grafoplast.it site to update new items and the support utilities that are created by continual market demands-
- Grafoplast phone (+39-0131-718477) for assistance and technical information

System minimum requirements:

Pentium II 133 Mhz 16 Mb RAM for Windows 95, recommended at least 32/64 Mb, 64Mb for Windows Nt 200.

Free space on hard disk 10/15 Mb Free serial port: (RS232) or parallel



SIMPLO 2000





PLoTTER SYSTEM







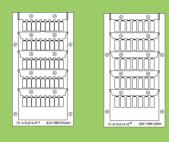


SI2KPRINTSYSTEM THERMAL TRANSFER PRINTER



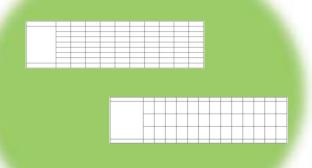
TAGS FOR CABLES AND CORES





TAGS FOR TERMINAL BLOCKS





CUSTOMISED

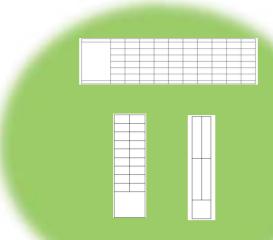
AND

TAGS FOR EQUIPMENT









TAGS FOR TAG HOLDERS AND CHANNELS

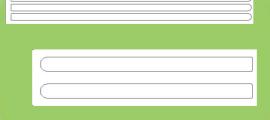




PANEL IDENTIFICATION PLATES

PLATES

TAGS



STRIPS FOR
DISTRIBUTION BOARDS





Grafoplast have spent many years developing alternative printing methods to the pen, paying special attention to customer requirements, innovation, simplicity and cost efficiency. The Grafoplast SI2KPRINT1 thermal transfer printer is the answer to an ever-demanding identification market. Born out of Grafoplast's 40 years experience in applying advanced technologies, the new SI2KPRINT1 thermal transfer printer is the best solution to any marking problem. The GRAFOPLAST SI2KPRINT1 provides you with many features, including fail proof loading and usage, low maintenance, high quality results, and cost efficiency.

SI2KPRINT1 will exceed your requirements, no matter how demanding. Thermal

printing technology and the use of special ribbons, allows you total flexibility, you can print tags, plates or adhesive labels tailored to your needs using a wide range of materials, including: PVC, Polyester, ABS, and Polycarbonate. This new printer is very easy to use, all you have to do is open the cover, load the ribbon cassette and the cleaning cassette, and SI2KPRINT1 is ready for printing. SI2KPRINT1 is the ultimate Grafoplast printer, which completes our range of computerised systems. The software Simplo 2000 allows you to use all three printing systems (thermal printer, plotter and laser printer) simoultaneously, with no need to convert your file. The ident you wish to print on is automatically fed into the printer, while the cleaning cassette keeps it perfectly clean assuring the best printing quality. Last but not least, Simplo2000 gives you the freedom to prepare data quickly and easily.

The compact design engineered for high quality resolution, silent and fast printing. Thatis what you get when you use SI2KPRINT1.

RANGE:

* TAGS FOR TRASP SYSTEM

Each module comprises of 40 tags. The printing of one module takes approx.15 seconds.

* SELF-ADHESIVE STRIPS

Are suitable for the identification of internal and external components associated with panels and boards. These are available in three heights: 10, 15 and 20mm and two lengths: 215 and 430mm. The Printing of 4 strips 10 x 430mm takes approx. 60 seconds.

EXTERNAL LABELS FOR PANELS AND BOARDS

The plates consist of 3 or 4 labels.

The printing of one plate takes approx. 45 seconds.

• TAGS FOR TAG HOLDERS, CHANNELS AND CABLES

The plates consist of 8 or 16 tags.

The printing of one plate takes approx. 45 seconds.

TAGS FOR TERMINAL BLOCKS

Coming soon!

Once the printing process is terminated, the items are ready for use, as the ink dries instantly. The SI2K printer requires low maintenance, the print head and cleaning roller can be easily cleaned using a damp cloth. Replacing the ribbon cartridge is a clean, simple and single operation without the worry of splashing, spilling, spotting or staining. SI2KPRINT1 is compact enough to enable easy movement between different sites, also thanks to the impact resistant case.

Any time, any location SI2KPRINT1 works wherever, whenever, whatever!

SI2KPRINTUNO

SI2K



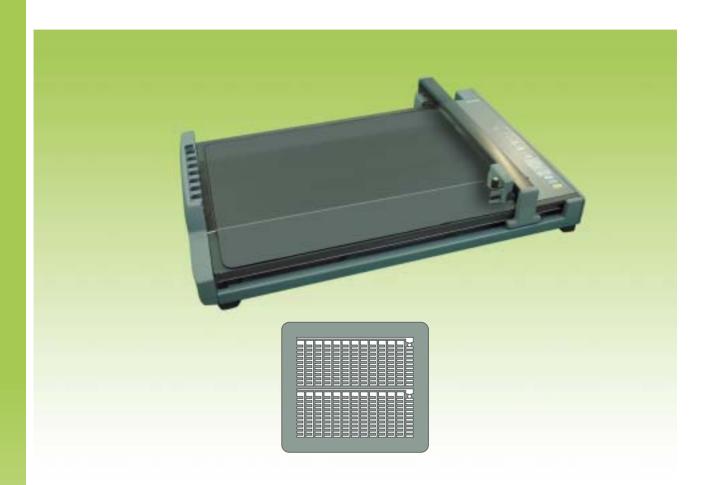


TECHNICAL DATA

- **Technology:** thermal transfer: Heat is used to transfer data onto a variety of tags.
- **Consumable material:** Ribbon, available in Black, Silver or Gold, and cleaning cassette.
- **Maintenance:** Simply clean the roller and the head with a damp cloth.
- **Resolution:** 300 dpi (300 dots per inch). High resolution to obtain clear legible texts.
- Max printing area: width 54 mm x length 496 mm
- Max dimensions of item: width 80 mm x length 500 mm
- Item thickness: from 0.1 mm to 6 mm
- Printing materials: PVC, Polyester, ABS, polycarbonate, etc.
- **Drivers available:** For all Windows operating systems (95,98, NT Service pack 6 2000.XP)
- Fonts available: All Windows fonts.
- **Compatibility of formats:** most widely used formats (gif, jpg,jpeg, bmp,wmf)
- Print colours: Black, Silver, Gold
 Printing rate: 30 mm/second
 Dimensions: 418 x 235 x 210 mm
- Weight: 9.5 kg
- Display: LCD. Displays information on the printing status, ident size, colour of ribbon and any warning message, on 2 rows.
- **Built-in keyboard:** to set different adjustments, run a print test, stop the printing in process, slide the item forward or backward, check the printer sensors.
- **Head life:** 15 km of printed text, equivalent to approximately 6,000,000 tags type \$12K0.../10-12-15-18
- **Warranty:** 1 year for manufacturing faults and flaws. The printing head is not covered by the warranty since it's considered a consumable item.



COMPA BETWEEN PLOTTER



System

m Plotter

Item Tessera per filo (4 x 15 mm)

1 Plate holds

1200 Tags equivalent to 2,5 plates

Production time* Handling

47 min x 2.5 = 117.5 minuti

without Handling

positioning of the tags on the plate and removal of the tags after plotting

pen testing

approx. 5 min x 3 = 15 minutes

Total time

approx.132.5 min

Job

complete plate 480 tags for wire

text

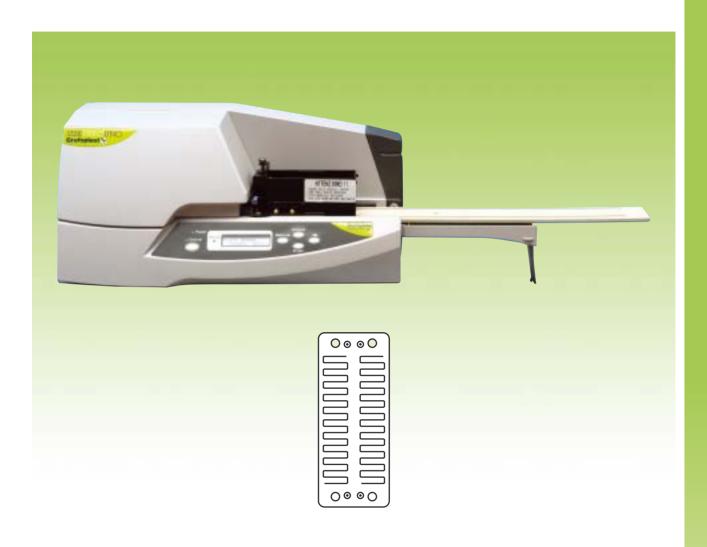
from ABC-0001 to ABC-1200

 * For production time we mean from the OK of the print till the last tag printed.

(with the tags already positioned on the plate)

ARISON and SI2KPRINT1





SI2KPRINT1 - Thermal transfer system

SI2K02W/10-12-15-18 (4 x 15 mm)

1200 tags equivalent to 1 full feeder with 30 modules

12 min

3 min

15 min

text from ABC-101

to ABC-580

System
Item
printing test
Production time*
Handling

Total time Job

^{*} For production time we mean from the OK of the print till the last tag printed.



AUTOMATIC WORKING (STACK) TAGS FOR SLEEVES; 1 PACK HAS 1200 TAGS

1st STEP

Loading modules

The modules are put in the feeder; every feeder can contain 30 modules each time, for a total of 1200 wire tags



2nd STEP

The print

1200 wire tags are printed in 12 minutes. That means that we have printed a complete pack. No drying process of the ink is required



3rd STEP

Prefracture of the module

The printed module can be separated using the SI2K009 ltem



4th STEP

Subdivision into backbones



5th STEP

Insertion of the sleeve

The tag is interted into the sleeve



6th STEP

Wiring

The marking of the wire is perfect, protected and unalterable in the time



EASY, QUICK, UNBEATABLE

SEMIAUTOMATIC WORKING(SINGLE FEEDER) TAG FOR TERMINAL BLOCKS



1st STEP

How to position the item

The terminal block modules must be positioned on the SI2K0017 plate



2nd STEP

How to position the plate

The plate is positioned on the SI2KPRINT1 printer



3rd STEP

Printing a terminal block module

It's possible to print 45 terminal block tags in 15 seconds It's possible to print a single tag and use the remaining module afterwards



4th STEP

How to divide the module into backbones

The terminal blocks module, composed by 5 backbones, can now be divided and it's ready to be used.

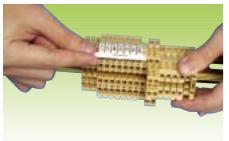


5th STEP

Mounting

The mounting of the tags on the terminal block (in this case on WDU 2,5 mm) is very quick and precise.











MANUAL WORKING **(PLATE)**TAGS AND STRIPS

1st STEP

Loading modules



2nd STEP

The print



3rd STEP

It'is possible to print 63 tags in 15 seconds using all Windows' fonts, or you can print them separately using the remaining module.



4th STEP

The tags can be easily devided into strips



5th STEP

The separation of the single tag is easy, quick and precise, you haven't parts of material on the bords



6th STEP

APPLICATION

With the option PLATE you can mark in a quick a precise way:

THE EQUIPMENTS
THE COMPONENTS
THE CONTACTORS
THE DISTRIBUTION
AND AUTOMATION
PANELS















Complete SYSTEME	#		
	SI2KSYS1	WINDOW	Thermal transfer printer + connection
			cables
			Black ribbon for SI2KPRINT1
			Cleaning cassette for SI2KPRINT1
			SIMPLO 2000 software
			Breaking tool
			Support Base for SI2K
			Feeder
			Plate for cable tags
			Plate for terminal blocks tags

The thermal transfer printer (item SI2KPRINT1) is used as an electronic printing support since it has all the appropriate characteristics to ensure perfect marking of Grafoplast components, including tags, labels, strips and FIRMA series panel identification plates.

It is a new generation printer that uses the thermal transfer principle for marking (the writing is generated by the heating of a printing head/resistor). Usually used to print labels for bar codes and automobile plates, it has been appropriately modified to print Grafoplast components ensuring high reliability. The SI2KPRINT1 printer is equipped with a power supply connection and parallel cable

.

SI 2000





ACCESSORIES



Ribbon	*			出
	SI2KSBN/B	NERO	130 mt	1
	SI2KRBN/L	GOLD	130 mt	1
	SI2KRBN/S	SILVER	130 mt	1
	1 ribbon SI2KS	BN/B print	52.000 tags	
	1 ribbon SI2K R	RBN/L print 8	52.000 tags	
	1 ribbon SI2KR	BN/S print	52.000 tags	



Cleaning cassette



0			
		-	
	SI2K C	LEAN	

Spare part

. .



SI2K0016

SI2K0017

SI2K CLEAN



SI2K0003





Support Base for SI2K

Plate for terminal blocks tags



SI2K0009



SI2K0014



SI2K0013

SI 2000





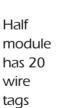
Tags for cables and cores

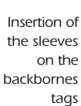
(print mode: STACK)

※ SI2K02	#	→ →	**	
$ \bigcirc \bigcirc$	SI2K02 W/10	mm 10 x 4	1200	
	Y/10	mm 10 x 4	1200	
	SI2K02 W/12	mm 12 x 4	1200	
	Y/12	mm 12 x 4	1200	
	SI2K02 W/15	mm 15 x 4	1200	
	Y/15	mm 15 x 4	1200	
	SI2K02 W/18	mm 18 x 4	1200	
	Y/18	mm 18 x 4	1200	
ABS	SI2K02 W/30	mm 30 x 4	600	
	Y/30	mm 30 x 4	600	
Y = Yellow	NUMBER OF	CHARACTE	RS THAT	
W = White	CAN BE PRIN	TED ON THE	SI2K TAGS	
UL 94 Class V0	TAGS	NUMBER OF		
	DIMENSION	CHAR	ACTERS	
		standard	compressed	
	10 mm	6	7	
These tags are fully compatible	12 mm	7	10	
with holders from the TRASP	15 mm	8	12	
SYSTEM.	18 mm	10	14	
5.5.2	30 mm	18	24	



The printed module can be separated using the SI2K009 item





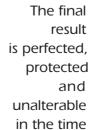




The half module is devided into 2 backbones

Tags with its sleeve







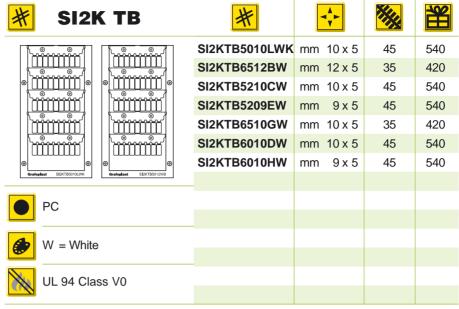






Tags for Terminal blocks

(print mode:Single)



SI2KTB5010LWK suitable for **WEID** Terminal blocks series:SAK-WDU-WDK-ZDU. The mounting is quick on the terminal blocks with a thickness of 5 mm (sect. 2.5 mm₂) double level T. blocks, it is possible to insert them **SI2KTB6512BW** suitable for **CABUR** T. blocks series: only on the upper level. The mounting is quick on the EDM-CBD-CBC-HMM-DAS. The mounting is quick on the terminal blocks with a thickness of 6,5 mm (sect. 4 mm²) terminal blocks with a thickness of 6,5 mm (sect. 4 mm²) **SI2KTB5210CW** suitable for **PHOENIX** T. blocks series: UK (screw); **WAGO** series: 280; **ENTRELEC**. is quick on the T.blocks with a thickness of 6 mm(sez. 4 mm₂ The mounting is quick on the terminal blocks with a **SI2KTB6010HW** suitable for **ALLEN-BRADLEY** thickness of 5,2 mm (section 2.5 mm²)

SI2KTB5209EW suitable for **PHOENIX** T. blocks series ZFK-ST-STTB (spring). The mounting is quick on the terminal blocks with a thickness of 5,2 mm (sect. 2.5 mm²)

series 8WA2001 (spring); 8WA1011 (screw) on the SI2KTB6010DW suitable for LEGRAND - V3 -**WIELAND - TELEMECANIQUE** T.blocks. The mounting T.blocks series: W3-W4-W6-WD3-WD4-WD6 WOERTZ The mounting is quick on the terminal blocks with a thickness of 6 mm (section 4 mm²)

SI2KTB6510GW suitable for SIEMENS Terminal blocks



\X/hole module just printed



The module is divided in backbones

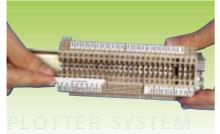
The left backbones on the module can be used again



Mounting on the Terminal Blocks batteries the correspondence between the tags' step and the Terminals Blocks'one is perfect.

In the specific case Application on WDU Terminal Block step 5 several types of Terminal Blocks.











<u>₩</u> SI2K 11130÷11205	#	→ A ►	
	SI2K11130W	mm 130 x 11	60
	SI2K11155W	mm 155 x 11	60
	SI2K11205W	mm 205 x 11	60
PVC			
W= White			
-40 ÷ +60 °C			
UL 94 Class V0			

Strips for Terminal blocks Wago 280

(print mode: **PLATE**)

These strips are used to mark the Wago terminal blocks series 280 The **SI2K11130W** strip marks 24 tblocks with a thickness of 5mm (suitable for ILME multipolar connectors series CTF10L-CTF24L). The **SI2K11155W** strip marks 24 tblocks with a thickness of 6mm The **SI2K11205W** strip marks 24 tblocks with a thickness of 8mm

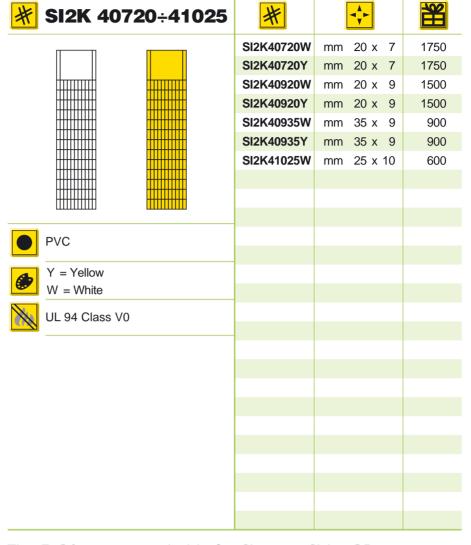
SI 2000





Self-adhesive rigid PVC tags for internal panel equipment

(print mode: **PLATE**)



The 7x20 tags are suitable for Siemens Sirius 3R contactors. Tesys Telemecanique, Lovato.

The 9x20 tags are suitable for Moller contactors and for the other equipment internal panel.



The user can write on the tags using all Windows' fonts



At the end of the print the tags can be devided into strips; the remaining part of the module can be used afterwards inserting again the module in the printer The separating of the single tag is easy, quick and precise; you haven't parts of materia on the bords

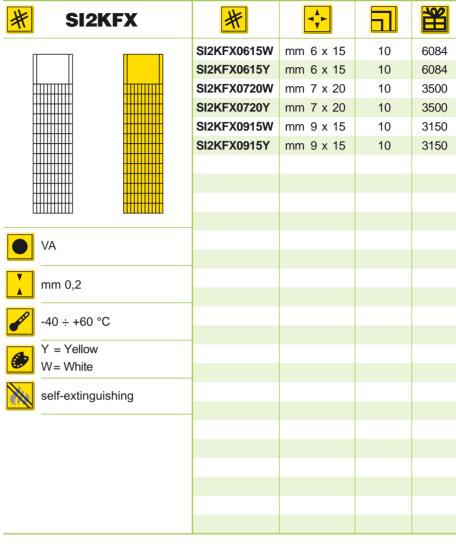


Application of the contactors









Vinyl labels for equipment

The vinyl labels allow the identification of a vast variety of equipment, inside or outside the panel.

(print mode: **PLATE**)

SI 2000



Rigid PVC tags for channel series 160 and sleeves series SI1001

(print mode: **PLATE**)



※ SI2K 0920÷0935	#	▲ ▶		出
	SI2K0920W	20x9	SI1001-160	2400
	SI2K0920Y	20x9	SI1001-160	2400
 	SI2K0935W	35x9	160	1440
	SI2K0935Y	35x9	160	1440
PVC				
W = White				
Y = Yellow				
UL-94 Class V0				
52 0 1 0 ld 00 V 0				
These tags can be inserted				
into the 160MT channel or				
in the SI1001 transparent				
holders for ties.				
HOIGEIS IOI LIES.				



The user can write on the tags using all Windows' fonts.



At the end of the print the tags can be devided into strips; the remaining part of the module ca be used afterwards inserting again the module in the printer



The separation of the single tag is easy, quick and precise; you haven't parts of material on the bords.



Application of the tag on the channel series 160



Insertion on the SI1001 band



Application on the wire using the specific band

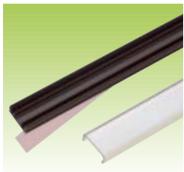
SI2K

Rigid PVC tags for tag holders push button channels and marking profiles

(print mode: **PLATE**)



※ SI2K 1067÷1567	#	▲↓ ►		出
	SI2K1067M	67x10	SIT0B10	200
	SI2K1067W	67x10	SIT0B10	200
	SI2K1067Y	67x10	SIT0B10	200
	SI2K1517M	17x15	SIT0B15	1560
	SI2K1517W	17x15	SIT0B15	1560
	SI2K1517Y	17x15	SIT0B15	1560
	SI2K1527M		SIT0A06-06X	
 	SI2K1527W	27x15	SIT0B5-07-07X	198
	SI2K1527Y		SIT0B15	
PVC				
_	SI2K1550M			
	SI2K1550W	50x15	SIT0A07-07X	99
	SI2K1550Y			
UL-94 Class V0				
	SI2K1567M			
	SI2K1567W	67x15	SIT0A08-08X	100
	SI2K1567Y			
hese tags can be inserted into				
•				
rie marking profile, trie situbts/				



These tags can be inserted into the marking profile, the SIT0B15/.. channels, the SIT0B05-07 tag holders for push buttons and the SIT0A06-07-08 tag holders.









Self-adhesive rigid PVC tags for external equipment



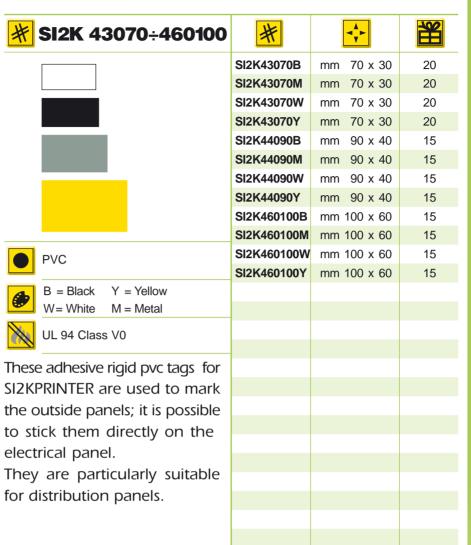
※ SI2K 41517÷41567	#		
	SI2K41517M	mm 17 x 15	975
	SI2K41517W	mm 17 x 15	975
	SI2K41517Y	mm 17 x 15	975
	SI2K41527M	mm 27 x 15	198
	SI2K41527W	mm 27 x 15	198
	SI2K41527Y	mm 27 x 15	198
	SI2K41550M	mm 50 x 15	99
	SI2K41550W	mm 50 x 15	99
	SI2K41550Y	mm 50 x 15	99
	SI2K41567M	mm 67 x 15	100
PVC	SI2K41567W	mm 67 x 15	100
	SI2K41567Y	mm 67 x 15	100
M = Metal Y = Yellow W = White			
UL 94 Class V0			
These tags are suitable for			
equipment identification outside			
• •			
the panel. Thanks to the adhesive			
at its back, it is possible to stick			
these tags on the outside panels			
without using screws or tag			
holders. They are particularly			
suitable for distribution panels			
·			





Self-adhesive rigid PVC tags for external panel









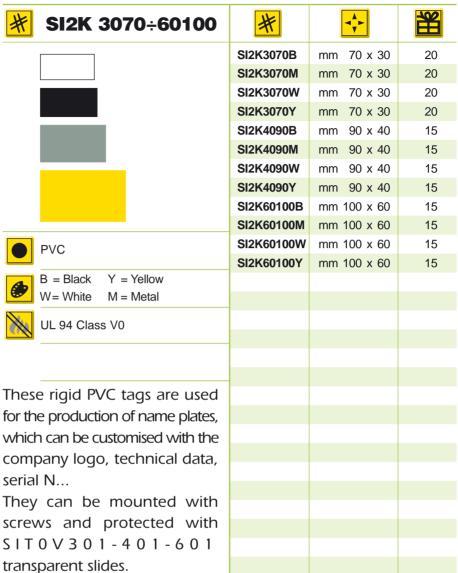




Rigid PVC tags for external











Non-adhesive rigid PVC strip for SIT0B series channel





※ SI2K 15215÷20430	#	▲ ►	
	SI2K15215M	mm 215 x 15	40
	SI2K15215W	mm 215 x 15	40
	SI2K15215Y	mm 215 x 15	40
	SI2K15430M	mm 430 x 20	40
	SI2K15430W	mm 430 x 20	40
	SI2K15430Y	mm 430 x 20	40
	SI2K20215M	mm 215 x 20	40
	SI2K20215W	mm 215 x 20	40
	SI2K20215Y	mm 215 x 20	40
	SI2K20430M	mm 430 x 20	40
PVC	SI2K20430W	mm 430 x 20	40
	SI2K20430Y	mm 430 x 20	40
Y = Yellow W= White M = Metal			
UL 94 Class V0			
These strips, inserted into channel			
SITOB10-15-20/ allow rapid			
equipment identification on			
panels with extreme precision.			
pariers with extreme precision.			
•			
•			







Self-adhesive rigid PVC strips for SIT0B.... series



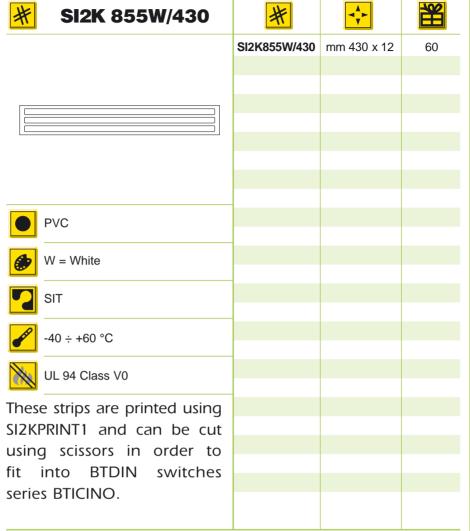
SI2K 415215 ÷ SI2K 420430	#	→	
	SI2K415215M	mm 215 x 15	40
	SI2K415215W	mm 215 x 15	40
	SI2K415215Y	mm 215 x 15	40
	SI2K415430M	mm 430 x 15	40
	SI2K415430W	mm 430 x 15	40
	SI2K415430Y	mm 430 x 15	40
	SI2K420215M	mm 215 x 20	40
	SI2K420215W	mm 215 x 20	40
	SI2K420215Y	mm 215 x 20	40
PVC	SI2K420430M	mm 430 x 20	40
	SI2K420430W	mm 430 x 20	40
Y = Yellow W= White M = Metal	SI2K420430Y	mm 430 x 20	40
UL 94 Class V0			
Thanks to the adhesive at			
their back, these strips can be			
directly positioned under the			
• .			
equipments of the distribution			
panels.			





White strip for BTICINO switche

(print mode: **PLATE**)





SI 2000





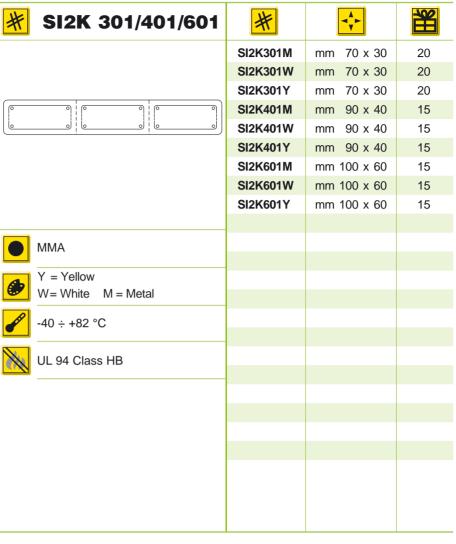


Methacrylate tags for tags holders and channels (print mode: PLATE Acryl) These tags are suitable for tag holders SIT0B05-7 - SIT0A06- 7-8, and for channels SIT0B15/....









Self-adhesive methacrylate tags for external panel

(print mode: PLATE Acryl)

These self-adhesive tags are ideal for external panel identification and can be securely mounted using screws or rivets. They can also be used with FIRMA covers for additional protection







Methacrylate strips for external panel (print mode: PLATE Acryl) These self-adhesive strips are ideal for equipment identification inside or outside the panel.

The strips are also suitable for channels and transparent covers for additional protection.

The marked strips, can easily and effectively be modified even if already inserted into the channel.

SI2K

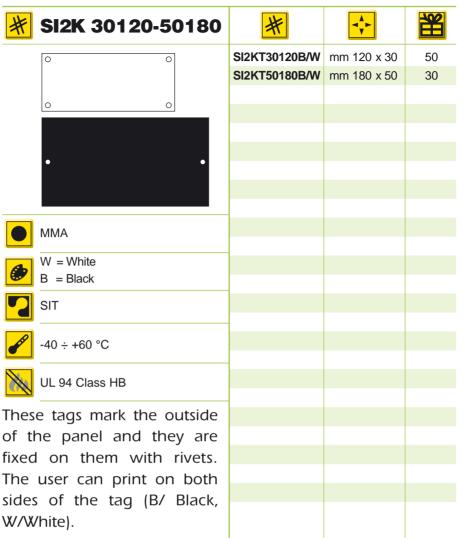
Tags with holes on 2 or 4 sides for the outside of the panel

(print mode: PLATE Acryl)













SI2K



- USER FRIENDLY
- RELIABLE
- STRONG
- **FAST**
- VERSATILE INDUSTRIAL PRINTER
- LITTLE MAINTENANCE REQUIRED
- TOXIN FREE RIBBONS
- OF PRINT
- HIGH QUALITY RESOLUTION









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