

3M™ Grafoplast™ Si2K Identification System

Durable Custom Identification





3M™ Grafoplast™ Si2K Identification System

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Broad 3M solutions for identification ...now for panels and other control systems

For years, 3M has provided critical products to panel makers, original equipment manufacturers and industrial sector suppliers. Now it introduces a new solution for identifying components inside and outside of panels.

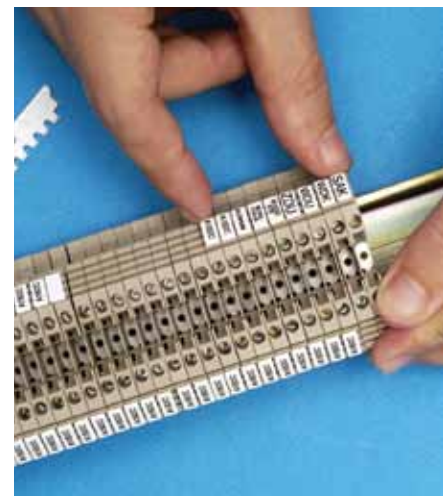
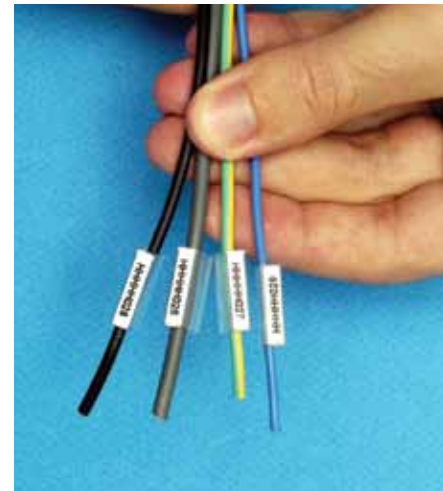
The 3M™ Grafoplast™ Si2K Identification System efficiently and quickly creates highly visible, durable identification for wires, panels, terminal blocks, devices and other components.



These desktop or benchtop marking systems have multiple advantages over traditional marking systems:

- **Versatile** – One 3M™ Grafoplast™ printer can print on a wide variety of materials and is extremely versatile for the following marking applications: wire/cable (but not heat shrink sleeves), cable ties, terminal blocks (for most manufacturers), internal device, and external panel (including buttons, channels, name plates, etc).
- **High quality** – Thermal transfer system provides high resolution on many types of surface materials and is compatible with most formats.
- **High-speed print speed** – Capable of up to 5500 tags per hour and allows automatic feed of many tags and labels.
- **Easy to Use** – Tags come in modules that easily feed through the printer. Printers have semi-automatic and automatic feeder for fast work with wire and terminal block tags.
- **Low Maintenance** – Easy-to-access print and feed area with easy-to-change ribbon cartridge. A special cleaning cassette is provided to clean the print chamber.
- **Compact** – This high-speed printer covers only slightly over 1 square foot of bench area and is only about 8 inches high. Available in advanced and basic models.

Replace your multiple printers with the 3M Grafoplast Si2K Identification System and enjoy the efficiency and productivity you need.



The 3M™ Grafoplast™ Si2K Series Thermal Transfer Printers

Printers made for industrial marking applications in control panel shops and other applications of high density wires/ cables or electrical devices. These printers are versatile, high quality, high-speed, easy to use, low maintenance and compact.

Si2KSYS1US



Si2KSYSBASICUS



Printer Capability and System Contents:	UPC# 013166-48306	UPC# 013166-48308
Modes of operation	Automatic, Semi-automatic and Manual	Semi-automatic and Manual
Si2KSYS1 Printer	●	
Si2KBASIC Printer		●
Simplo HIP software with drivers	●	●
Parallel printer cable & US power cord	●	●
Black thermal transfer ribbon; Ref. – Si2KSBN/B	●	●
Cleaning cassette; Ref. – Si2KCLEAN	●	●
Support base; Ref. Si2K0016	●	
Universal automatic feeder for tags; Ref. Si2K0013N	●	
Plate for Si2K02 series tags; automatic feed; Ref. – Si2K0014NP1	●	
Plate for Si2K02 series tags; semi-automatic feed; Ref. – Si2K0021		●
Plate for Si2KTB series terminal block tags; Ref. - Si2K0017	●	●
User Guide (operating manual)	●	●

The 3M™ Grafoplast™ Si2K Series Thermal Transfer Printers

The thermal transfer printer represents one of the highest quality systems in the market for printing on different types of material. The Grafoplast system uses the thermal transfer technology in response to the market demand, providing low maintenance, simple installation and user-friendly printers which provide clear print at a low cost. It is designed to satisfy marking requirements across many applications and provides excellent print quality and permanence on a variety of materials, including PVC, PMMA, Polyester, ABS and Polycarbonate. Data preparation using the 3M Grafoplast Simplo HIP software is easy and the printing process is silent and quick. The ribbon resin transfers instantly, so markers are ready to use. The Si2K system is designed to meet most marking requirements and is suitable for printing tags and plates for push buttons, cables, channels, terminal blocks, input/output devices, external panels or other applications.

Si2K Series Thermal Transfer Printers Specifications:

- **Technology:** Thermal transfer; heat is used to transfer ribbon polymer onto a variety of tags.
- **Consumable material:** Ribbon available in black, white, red, silver or gold; Cleaning Cassette and Printer Head.
- **Maintenance:** Simply clean the roller and the head with a damp cloth.
- **Resolution:** High resolution 300 dpi (300 dots per inch) to provide clear legible text.
- **Max printing area:** 2.13 in. (54 mm) width x 19.53 in. (496 mm) length.
- **Max dimensions of item:** 3.15 in. (80 mm) width x 19.69 in. (500 mm) length.
- **Item thickness:** From .004 in. (0.1 mm) to .24 in. (6 mm).
- **Printing materials:** PVC, Polyester, ABS, polycarbonate, etc.
- **Drivers available:** For all Windows® operating systems (95, 98, NT with Service Pack 6, 2000, XP).
- **Fonts available:** All Windows TrueType fonts.
- **Compatibility of graphic formats:** Most widely used formats (.gif, .jpg, .bmp, .wmf).
- **Print colors:** Black, red, silver, gold and white.
- **Printing rate:** 1.18 in. (30 mm)/second.
- **Dimensions:** 16.46 in. x 9.25 in. x 8.27 in. (418 mm x 235 mm x 210 mm).
- **Weight:** 20.9 lbs. (9.5 kg).
- **Display:** LCD displays two rows of information on the print status, size of item, color of ribbon or other warning messages.
- **Built-in keyboard:** Able to set different adjustments, run print tests, stop printing in progress, slide item forward or backward and check all printer sensors.
- **Printer head life:** 16,404 yds. (15 km) of printed product, equivalent to approximately 6,000,000 tags type Si2K02.../10-12-15-18.
- **Warranty period:** The 3M Grafoplast Si2K Printer will be free from defects in material and manufacture for a period of one year from the date of manufacture. Since print heads are consumable materials, print heads included in the 3M Grafoplast Si2K Printer are warranted for thirty (30) days from the date of purchase. See back page for full warranty statement.

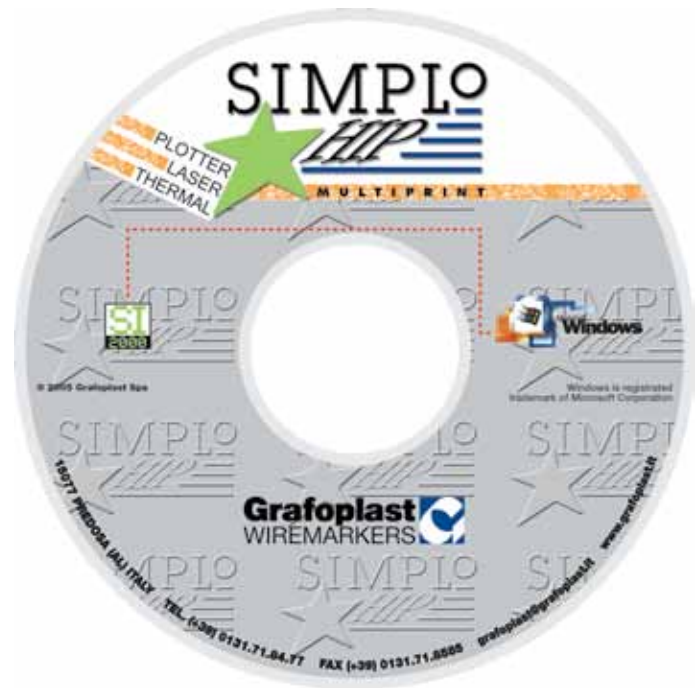


3M™ Grafoplast™ Simplo HIP and Driver Software

3M Grafoplast Printers Si2K are driven by 3M Grafoplast Simplo HIP software. This user-friendly software allows users to create marks quickly in just a few steps.

The software:

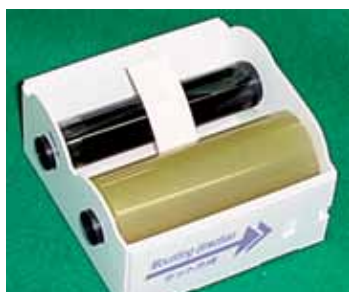
- Is compatible with Windows® operating systems (95, 98, NT with Service Pack 6, 2000, XP).
- Has a library of common electrical and technical characters and manages TrueType fonts.
- Easy to use with cut-and-paste function plus ability to use alphanumeric content, vector files and bar codes – all with WYSWYG interface.
- Is compatible with most common image formats (.gif, .jpg, .bmp, .wmf).
- Allows up to 10 devices to print simultaneously.
- Integrated Graphic Editor allows customizing, including combinations of graphics and characters and cut-and-paste function.
- Is compatible with most standard CAD software protocols.
- Includes handbooks and links to online support plus online update options.
- Minimum system requirements:
 - 16 Mb RAM for Windows 95, recommend at least 32 Mb.
 - 64 Mb for Windows NT, 2000 and XP.
 - 15 Mb free space on hard disc.
 - Free serial port (RS232), parallel port or USB port.



3M™ Grafoplast™ Printer Si2K Accessories



3M™ Grafoplast™ Si2K Ribbon



Si2K Cleaning Cassette



Si2K0003



Si2K0006

Ribbons

Product	UPC (013166-)	Color	Length	No. per package
Si2KSBN/B	47094	Black	427 ft. (130 m)	1
Si2KRBN/R*	47523	Red	427 ft. (130 m)	1
Si2KRBN/RS**	48125	Red	427 ft. (130 m)	1
Si2KRBN/L	46697	Gold	427 ft. (130 m)	1
Si2KRBN/S	46698	Silver	427 ft. (130 m)	1
Si2KRBN/W	48152	White	427 ft. (130 m)	1

* optional print plate ** optional print stack

Cleaning cassette

Product	UPC (013166-)	Length	No. per package
Si2K CLEAN	46504	26 ft. (8 m)	1

Replacement parts

Product	UPC (013166-)	Description
Si2K0003	46706	Cleaning roller standard
Si2K0006	46709	Print Head
Si2K0010	46971	PC printer serial cable
Si2K0013N	47876	Universal feeder for tags
Si2K0013NAD	47885	Adapter for universal feeder when running Si2K02_/30
Si2K0014NP1	47878	Plate for Si2K02 series universal tags used with TRASP sleeves
Si2K0014NP2	47883	Plate for Si2KAF5010CW tags
Si2K0014NP3	47884	Plate for Si2KTM series
Si2K0014NP4	48148	Plate for Si2KAF5010LWK and Si2KAF5210NW tags
Si2K0014NP5	48156	Plate for Si2KAF6010BW tags
Si2K0016	47100	Support Base for Si2K
Si2K0017	47187	Plate for terminal blocks Si2KTB series tags
Si2K0019	47847	Converter cable USB/parallel
Si2K0021	48129	Plate for Si2K02 0.4" (10 mm), 0.6" (15 mm), and 0.7" (18 mm) tags semi-automatically
Si2K0023	48141	Plate for Si2K02_/30 1.18 in. (30 mm) tags semi-automatically



Si2K0013N



Si2K0014NP1, Si2K0014NP2, Si2K0014NP3



Si2K0016

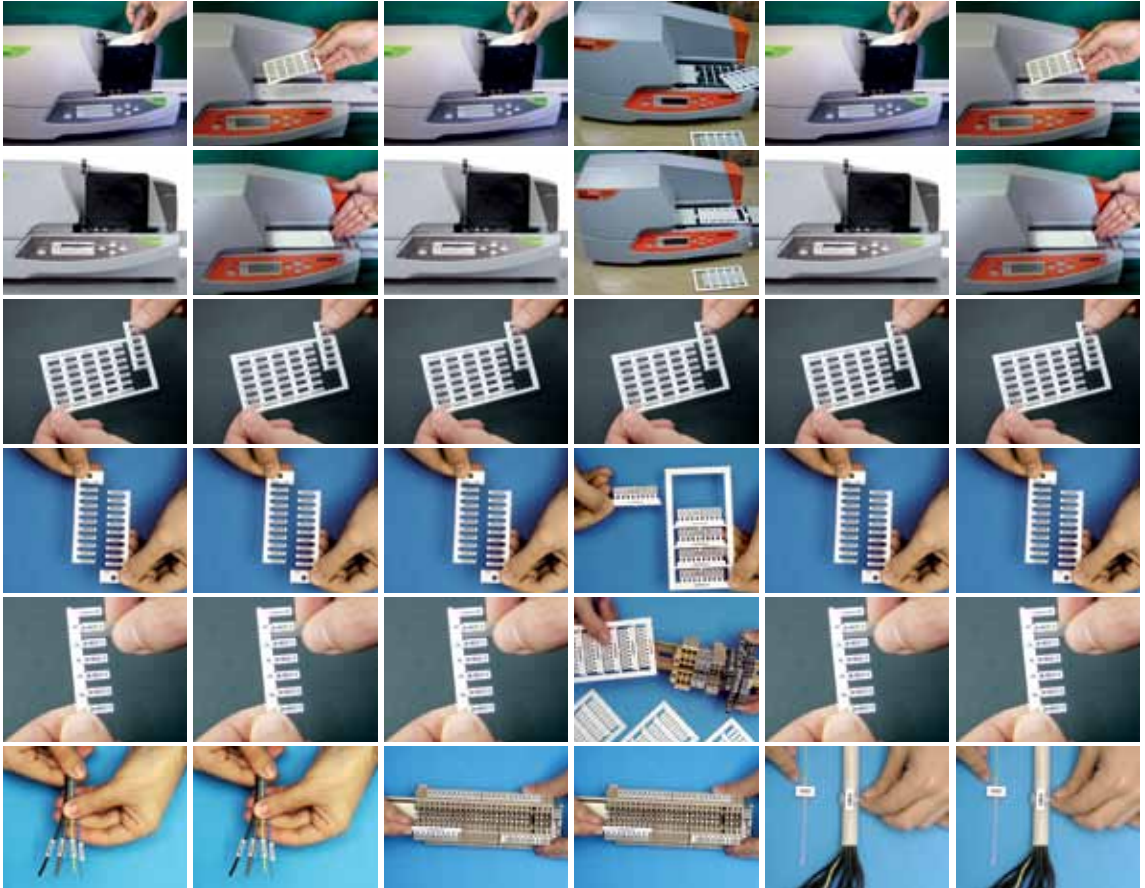


Si2K0017



Si2K0019

3M™ Grafoplast™ Si2K Product Marking Applications

Mark Application	Cable & Wire		Terminal Block		Cable Ties	
Printer	Si2KSYS1	Si2KSYSBASIC	Si2KSYS1	Si2KSYSBASIC	Si2KSYS1	Si2KSYSBASIC
Mode for Printing	Automatic	Semi-Automatic	Automatic or Semi-Automatic	Semi-Automatic	Automatic, Semi-Automatic, or Manual	Semi-Automatic, or Manual
						

This process creates tags for terminal blocks made by:

ABB Entrellec
 Allen Bradley (Rockwell Automation)
 Arnocanali
 Cabur
 Connect Well
 Contaclip
 Elmey
 Klemsan
 Legrand
 Onka
 Phoenix
 Staffel
 Siemens
 Square D (Telemecanique)
 Wago
 Weidmuller
 Woertz

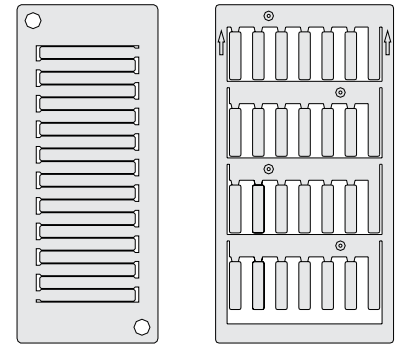
3M™ Grafoplast™ Si2K Product Marking Applications

(Continued)

Interior Devices		Exterior Buttons & Channels		Exterior Name Plates	
Si2KSYS1	Si2KSYSBASIC	Si2KSYS1	Si2KSYSBASIC	Si2KSYS1	Si2KSYSBASIC
Manual	Manual	Manual	Manual	Manual	Manual
					
					
					
					
					
					
					
					
					
					

3M™ Grafoplast™ Universal Tags Si2K02 Series for Various TRASP* System Sleeves

These tags go into all sleeves used in the 3M™ Grafoplast™ TRASP* Manual System, including wire and cable sleeves, cable ties sleeves, pin terminal sleeves, and self-adhesive sleeves. Specifications: PC/ABS material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).



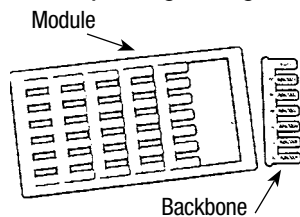
Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	No. Characters		Pkg Qty Tags (Modules)
				Standard	Narrow	
Si2K02W/10N	47436	.15 x .4 (3.7 x 10)	White	6	7	1152 (32)
Si2K02Y/10N	47440	.15 x .4 (3.7 x 10)	Yellow	6	7	1152 (32)
Si2K02W/15N	47438	.15 x .6 (3.7 x 15)	White	8	12	768 (24)
Si2K02Y/15N	47442	.15 x .6 (3.7 x 15)	Yellow	8	12	768 (24)
Si2K02W/18N	47439	.15 x .7 (3.7 x 18)	White	10	14	576 (18)
Si2K02Y/18N	47443	.15 x .7 (3.7 x 18)	Yellow	10	14	576 (18)
Si2K02W/30	46958	.15 x 1.2 (3.7 x 30)	White	18	24	600 (30)
Si2K02Y/30	46959	.15 x 1.2 (3.7 x 30)	Yellow	18	24	600 (30)

Refer to page 42 for printer plate selection based on printer.

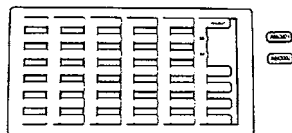
*The 3M™ Grafoplast™ TRASP System is a manual identification system which uses some of the same sleeves as the Si2K system.

3M Grafoplast Tag Modules

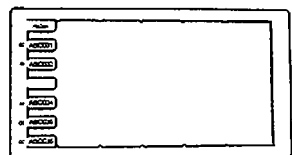
Partial printing on tag modules



The 3M Grafoplast system allows printing on a portion of the tag module, then later the unprinted remainder of the module can be printed.



To print the unused portion of a module, use 3M™ Grafoplast™ Feeder Si2K0013N.



To print on the unused tags on a row or “backbone,” remove only the printed tags, not the backbone itself.

With Si2K02X/10N series tags, the system will not print on the center tag of the last unprinted backbone.



3M™ Grafoplast™ Standard Sleeves 200 Series

These standard transparent PVC sleeves are designed to accommodate a wider range of cables and wires and are particularly useful for jobs that encounter a variety of diameter ranges. They are more pliable than the 100 series sleeves. Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).

Refer to pages 36-38 for a quick reference selection guide by wire type and conductor size.

Part #	UPC (013166-)	Min. OD		Max. OD		Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	in.	mm	in.	mm	White	Yellow	Standard	Compressed	
201/10	19505	0.059	1.5	0.098	2.5	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	1,000
201/15	19510	0.059	1.5	0.098	2.5	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	1,000
201/23	19535	0.059	1.5	0.098	2.5	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	1,000
201/30	19545	0.059	1.5	0.098	2.5	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	500
202/10	19590	0.079	2.0	0.157	4.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	1,000
202/15	19600	0.079	2.0	0.157	4.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	1,000
202/23	19630	0.079	2.0	0.157	4.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	500
202/30	19655	0.079	2.0	0.157	4.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	500
203/10	19700	0.157	4.0	0.276	7.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	500
203/15	19710	0.157	4.0	0.276	7.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
203/23	19740	0.157	4.0	0.276	7.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	500
203/30	19760	0.157	4.0	0.276	7.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200
204/10	19800	0.236	6.0	0.394	10.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	500
204/15	19805	0.236	6.0	0.394	10.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
204/23	19825	0.236	6.0	0.394	10.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	200
204/30	19835	0.236	6.0	0.394	10.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200
205/10	19875	0.394	10.0	0.551	14.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	200
205/15	19880	0.394	10.0	0.551	14.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	200
205/23	19900	0.394	10.0	0.551	14.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	200
205/30	19910	0.394	10.0	0.551	14.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200
206/10	19950	0.551	14.0	0.866	22.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	200
206/15	19955	0.551	14.0	0.866	22.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	200
206/23	19975	0.551	14.0	0.866	22.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	100
206/30	19985	0.551	14.0	0.866	22.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	100
207/10	20025	0.866	22.0	1.181	30.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	50
207/15	20030	0.866	22.0	1.181	30.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	50
207/23	20045	0.866	22.0	1.181	30.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	50
207/30	20055	0.866	22.0	1.181	30.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	50
208/10	20090	1.181	30.0	1.378	35.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	50
208/15	20095	1.181	30.0	1.378	35.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	50
208/23	20105	1.181	30.0	1.378	35.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	50
208/30	20115	1.181	30.0	1.378	35.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	50
209/10	20150	1.378	35.0	1.575	40.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	50
209/15	20155	1.378	35.0	1.575	40.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	50
209/23	20165	1.378	35.0	1.575	40.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	50
209/30	20175	1.378	35.0	1.575	40.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	50



3M™ Grafoplast™ Halogen-Free* Sleeves 901-903 HF

The halogen free transparent sleeve is ideal for high risk installations. Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -40°F to 176°F (-40°C to 80°C). Refer to pages 36-38 for a quick reference selection guide by wire type and conductor size.

Part #	UPC (013166-)	Min. OD		Max. OD		Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	in.	mm	in.	mm	White	Yellow	Standard	Compressed	
901 HF/15	22450	0.035	0.9	0.063	1.6	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	1,000
901 HF/30	22460	0.035	0.9	0.063	1.6	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	500
902 HF/15	22470	0.055	1.4	0.197	5.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	1,000
902 HF/30	22480	0.055	1.4	0.197	5.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	500
903 HF/15	22490	0.197	5.0	0.433	11.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
903 HF/30	22500	0.197	5.0	0.433	11.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200

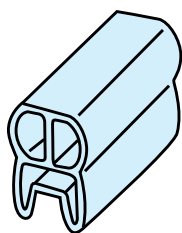


3M Grafoplast Snap-on Sleeves 301-304

The snap-on sleeve is ideal for marking cable after the electrical connection has already been made. The bottom of the snap-on sleeve is made of a rigid base that snaps onto the cable and the top of the sleeve is made of a soft, transparent PVC sleeve that is designed to hold tags. Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C). Refer to pages 36-38 for a quick reference selection guide by wire type and conductor size.

Part #	UPC (013166-)	Min. OD		Max. OD		Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	in.	mm	in.	mm	White	Yellow	Standard	Compressed	
301/10	21765	0.079	2.0	0.138	3.5	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	1,000
301/15	21770	0.079	2.0	0.138	3.5	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	1,000
301/23	21790	0.079	2.0	0.138	3.5	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	500
301/30	21795	0.079	2.0	0.138	3.5	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	500
302/10	21805	0.110	2.8	0.197	5.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	1,000
302/15	21810	0.110	2.8	0.197	5.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	1,000
302/23	21825	0.110	2.8	0.197	5.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	500
302/30	21830	0.110	2.8	0.197	5.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	500
303/10	21845	0.197	5.0	0.315	8.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	500
303/15	21850	0.197	5.0	0.315	8.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
303/23	21865	0.197	5.0	0.315	8.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	200
303/30	21870	0.197	5.0	0.315	8.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200
304/10	21885	0.315	8.0	0.394	10.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	500
304/15	21890	0.315	8.0	0.394	10.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
304/23	21905	0.315	8.0	0.394	10.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	200
304/30	21910	0.315	8.0	0.394	10.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200

*Halogen Free is defined as having less than 900 ppm bromine, less than 900 ppm chlorine, and less than 1500 ppm total bromine and chlorine; other halogens are excluded from this definition. These are the levels set forth in certain industry standards, such as the International Electrotechnical Commission (IEC) 61249-2-21 standard.



3M™ Grafoplast™ Vertical Dual Sleeves 802

The vertical dual transparent PVC sleeve has two rows that are vertically stacked side-by-side, making it possible to read markers clearly from either side of the cable.

Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C). Refer to pages 36-38 for a quick reference selection guide by wire type and conductor size.

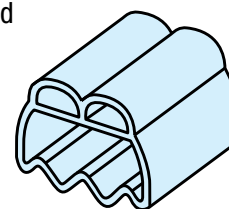
Part #	UPC (013166-)	Min. OD		Max. OD		Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	in.	mm	in.	mm	White	Yellow	Standard	Compressed	
802/15	22240	0.079	2.0	0.157	4.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
802/30	22260	0.079	2.0	0.157	4.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200



3M Grafoplast Standard Dual Sleeves 808-811

The standard dual transparent PVC sleeve has two rows for elements and is particularly useful for source and destination marking.

Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C). Refer to pages 36-38 for a quick reference selection guide by wire type and conductor size.



Part #	UPC (013166-)	Min. OD		Max. OD		Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	in.	mm	in.	mm	White	Yellow	Standard	Compressed	
808/10	22270	0.315	8.0	0.394	10.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	100
808/15	22275	0.315	8.0	0.394	10.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	100
808/23	22280	0.315	8.0	0.394	10.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	50
808/30	22285	0.315	8.0	0.394	10.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	50
809/10	22295	0.394	10.0	0.472	12.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	100
809/15	22300	0.394	10.0	0.472	12.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	100
809/23	22305	0.394	10.0	0.472	12.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	50
809/30	22310	0.394	10.0	0.472	12.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	50
810/10	22320	0.472	12.0	0.551	14.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	100
810/15	22325	0.472	12.0	0.551	14.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	100
810/23	22330	0.472	12.0	0.551	14.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	50
810/30	22335	0.472	12.0	0.551	14.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	50
811/10	22345	0.551	14.0	0.630	16.0	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	50
811/15	22350	0.551	14.0	0.630	16.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	50
811/23	22355	0.551	14.0	0.630	16.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	20
811/30	22360	0.551	14.0	0.630	16.0	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	20



3M™ Grafoplast™ Sleeves for Fine Wire 190

This transparent PVC sleeve is designed for marking fine wires in a clear and legible manner. Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).

Refer to pages 36-38 for a quick reference selection guide by wire type and conductor size.

Part #	UPC (013166-)	Min. OD		Max. OD		Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		mils	mm	mils	mm	in.	mm	White	Yellow	Standard	Compressed	
190/10	19385	24	0.6	47	1.2	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	1,000
190/15	19390	24	0.6	47	1.2	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	1,000



3M Grafoplast Wire Marking Tags Si2K™ Series

These economical wire marking tags can be directly slid over wire or cable without a protective sleeve. Specifications: Halogen-free* polycarbonate material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).

Refer to pages 36-38 for a quick reference selection guide by wire type and conductor size.

Part #	UPC (013166-)	Wire OD		Color	Length		No. Characters		Pkg Qty Tags (Modules)
		mils	(mm)		in.	(mm)	Standard	Narrow	
Si2KTM02W/10	47910	39-165	(1.0-4.2)	White	.4	(10)	6	7	726 (22)
Si2KTM02Y/10	48038	39-165	(1.0-4.2)	Yellow	.4	(10)	6	7	726 (22)

Note: These modules can only be run in automatic mode on the Si2KSYS1US Printer with Si2K0014NP3 Plate.

*Halogen Free is defined as having less than 900 ppm bromine, less than 900 ppm chlorine, and less than 1500 ppm total bromine and chlorine; other halogens are excluded from this definition. These are the levels set forth in certain industry standards, such as the International Electrotechnical Commission (IEC) 61249-2-21 standard.



3M™ Grafoplast™ Pin Terminals 710 & 711

The crimpable pin terminal has a swiveling transparent PVC sleeve on the end that can be turned, offering superior visibility. This piece is excellent for marking in areas where space is limited, such as PLC boxes. Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C)

Part #	UPC (013166-)	Wire Conductor Size AWG	Wire Conductor Size mm ²	Length		Color	Qty.
				in.	mm		
710/05	21965	22-26	0.50	0.35	9	Orange	200
710/07	21970	20	0.75	0.35	9	Neutral	200
710/10	21975	18	1.0	0.35	9	Yellow	200
710/15	21985	16	1.5	0.35	9	Red	200
710/25	21990	14	2.5	0.47	12	Blue	200
710/40	21995	12	4.0	0.47	12	Neutral	100
710/60	22000	10	6.0	0.47	12	Green	100
710/100	21980	8	10.0	0.47	12	Brown	100

710 Holder Length: 10mm, 0.39 in., holds Si2K02*/10N capable of 6 std. & 7 narrow characters

711/05	22005	22-26	0.50	0.55	14	Orange	200
711/07	22010	20	0.75	0.55	14	Neutral	200
711/10	22015	18	1.0	0.55	14	Yellow	200
711/15	22025	16	1.5	0.55	14	Red	200
711/25	22030	14	2.5	0.67	17	Blue	200
711/40	22035	12	4.0	0.67	17	Neutral	100
711/60	22040	10	6.0	0.67	17	Green	100
711/100	22020	8	10.0	0.67	17	Brown	100

711 Holder Length: 15mm, 0.59 in., holds Si2K02*/15N capable of 8 std. & 12 narrow characters

*Insert 'W' for white or 'Y' for yellow tags



3M Grafoplast Crimping Tool 774

This crimping tool is used to attach the 710 and 711 Series pin terminals to the wires and includes a ratchet that makes the application less tedious for the operator.

Part #	UPC (013166-)	Description	Wire Conductor Size	Compatibility	Qty.
774	22225	Racheted Crimper for Pin Terminals	26-8 AWG or 0.5-16mm ²	710/711	1

3M Grafoplast Wire Stripper 780

Part #	UPC (013166-)	Description	Wire Conductor Size	Qty.
780	22215	Wire Stripper	10 AWG or up to 4mm ²	1



3M™ Grafoplast™ Polyamide Cable Tie with Sleeve 124

The polyamide cable tie comes with a fitted transparent PVC sleeve and is suitable for identifying cables or bundles of cables up to 2.0 in. (50 mm) in diameter. Specifications: Meet UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C)

Part #	UPC (013166-)	Min. OD		Max. OD		Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	in.	mm	in.	mm	White	Yellow	Standard	Compressed	
124/15	18585	0.39	10.0	2.0	50.0	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	200
124/23	18595	0.39	10.0	2.0	50.0	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	200



Note: Cable tie not included

3M Grafoplast Standard Longitudinal Sleeves 130 for use with Standard Cable Tie

The transparent longitudinal PVC sleeve is secured with a cable tie and creates a label with text that runs parallel to the cable. It is ideal for marking bundles of cables that require marking at regular intervals. Specifications: This sleeve meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).

See page 19 for matching cable ties.

Part #	UPC (013166-)	Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	White	Yellow	Standard	Compressed	
130/23	18600	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	200
130/30	18605	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200



Note: Cable tie not included

3M Grafoplast Dual Longitudinal Sleeve 830 for use with Standard Cable Tie

The dual transparent longitudinal sleeve has the same features as the 130 and includes dual sleeves for a second row of identification. Specifications: This sleeve meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).

See page 19 for matching cable ties.

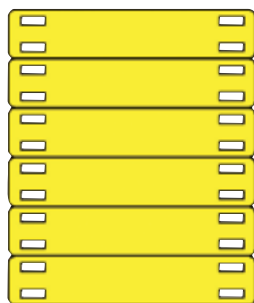
Part #	UPC (013166-)	Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	White	Yellow	Standard	Compressed	
830/30	22370	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200



3M™ Grafoplast™ Cable Tie Sleeve Si1001 and Si2K1001 Series Tags for use with Standard Cable Tie

The Cable Tie Sleeve Si100 and either of the Si2K1001 tags can be used for wire bundling, large conductors or pipe when used with standard 0.24" cable tie (not included). Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 120°F (-40°C to 60°C). See page 19 for matching cable ties.

Part #	UPC (013166-)	Description	Pkg Qty Tags (Modules)
Si1001	29070	Transparent PVC Cable Tie Sleeve	240
Si2K1001W	47512	White PVC Tag .38x.8 inches (9.3x20mm)	2400 (60)
Si2K1001Y	47513	Yellow PVC Tag .38x.8 inches (9.3x20mm)	2400 (60)



3M Grafoplast Cable Tie Tags Si2K030Y for use with Standard Cable Tie

This Cable Tie Tag can be used for wire bundling, large conductors or pipe when used with two standard 0.24" cable ties (not included). Specifications: ABS/PC material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C). See page 19 for matching cable ties.

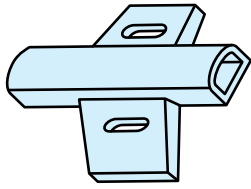
Part #	UPC (013166-)	Dimension inches (mm)	Color	Pkg Qty Tags (Modules)
Si2K030Y	47282	.4-2.1 (11x54)	Yellow	200 (25)



3M Grafoplast Cable Tie Sleeves SiT000 Series and Si2KyyxxW Series Tags for use with Intermediate Cable Ties

The Cable Tie Sleeves SiT000 Series and corresponding Si2Kyyxx tags can be used for wire bundling, large conductors or pipe when used with two intermediate cable ties (not included). Specifications: PVC materials that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 120°F (-40°C to 60°C).

Part #	Background	UPC (013166-)	Description	Matching Tag or Sleeve	Pkg Qty Tags (Modules)
SiT0003X050	Clear	30505	Transparent PVC Cable Tie Sleeve	Si2K0746W	224
Si2K0746W	Clear	48134	White PVC Tag .29x1.9 inches (7x46 mm)	SiT0003X050	1120 (28)
SiT0004X050	Gray	46156	Transparent PVC Cable Tie Sleeve	Si2K1550W	192
Si2K1550W	Gray	47082	White PVC Tag .6x2.0 inches (15x50 mm)	SiT0004X050	99 (9)
SiT0004X070	Clear	46157	Transparent PVC Cable Tie Sleeve	Si2K1567W	96
Si2K1567W	Clear	47085	White PVC Tag .6x2.7 inches (15x67 mm)	SiT0004X070	100 (4)



3M™ Grafoplast™ Longitudinal Sleeve 930 HF and Si2K02 Series Tag for use with Standard Cable Ties

The halogen free transparent longitudinal sleeve is ideal for high risk installations. This sleeve must be paired with a cable tie for proper installation. Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -40°F to 176°F (-40°C to 80°C). . See below for matching cable ties.

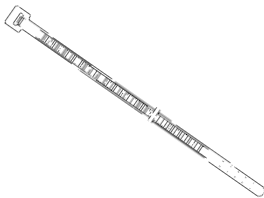
Part #	UPC (013166-)	Description	Pkg Qty Tags (Modules)
930HF/30	22530	Transparent Halogen-Free HDPE Cable Tie Sleeve	240



3M Grafoplast Cable Tie Sleeve SiHFC1 Halogen-Free* and Si2K1001 Series Tags for use with Standard Cable Ties

The SiHFC1 Halogen-Free Cable Tie Sleeve and either of the Si2K1001 Tags can be used for wire bundling, large conductors or pipe when used with standard 0.24" cable tie (not included). Specifications: Halogen-free PE (SiHFC1) and PVC (Si2K1001 Series) materials that meet UL-94 V-0 and can be used in temperatures ranging from -22°F to 120°F (-30°C to 60°C). See below for matching cable ties.

Part #	UPC (013166-)	Description	Pkg Qty Tags (Modules)
SiHFC1	30300	Transparent Halogen-Free PE Cable Tie Sleeve	240
Si2K1001W	47512	White PVC Tag .38x.8 inches (9.3x20mm)	2400 (60)
Si2K1001Y	47513	Yellow PVC Tag .38x.8 inches (9.3x20mm)	2400 (60)

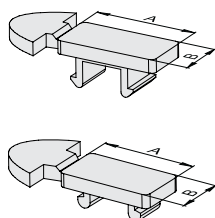
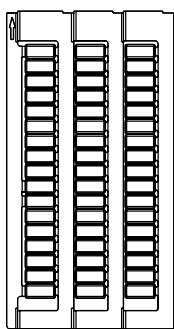


3M™ Standard Cable Ties for use with Cable Tie Tags

These cable ties are molded from 6/6 nylon and available in a variety of sizes and colors, including the weather-resistant black for outdoor use. Specifications: 6/6 nylon material, UL recognized and tested UL Std 1565 for wire positioning devices. Flammability rating of 85°C 94V-2 and can be used in temperatures ranging from -40°F to 185°F (-40°C to 85°C).

Natural Color UPC (051128-)	Weather Resistant Black UPC (051128-)	Approx. Length		Rec Max Bundle Dia.		Approx. Width		Approx. Thickness		Loop Tensile		Inner Unit Pack Qty.
		in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	lbs.	kg	
06250	06272	8"	(203 mm)	1.9"	(48 mm)	.18"	(4.6 mm)	.05"	(1.4 mm)	50 lbs.	(22 kg)	1000
06251	06273	11"	(279 mm)	3.1"	(79 mm)	.18"	(4.6 mm)	.05"	(1.4 mm)	50 lbs.	(22 kg)	1000
06252	06274	15"	(381 mm)	4.0"	(102 mm)	.18"	(4.6 mm)	.05"	(1.4 mm)	50 lbs.	(22 kg)	500

*Halogen-Free is defined as having less than 900 ppm bromine, less than 900 ppm chlorine and less than 1500 ppm total bromine and chlorine; other halogens are excluded from this definition. These are the levels set forth in certain industry standards, such as the International Electrotechnical Commission (IEC) 61249-2-21 standard.

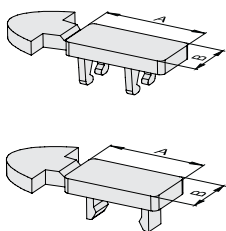
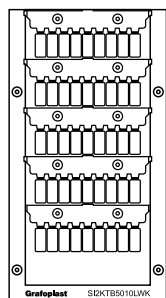


3M™ Grafoplast™ Terminal Block Tags Si2KAF Series

These terminal blocks can be printed very quickly with automatic feeder on Si2KSYS1US printers for a variety of manufacturers. Specifications: Polycarbonate material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 248°F (-50°C to 120°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Plate Required	Pkg Qty Tags (Modules)
Si2KAF5010CW	47911	.18x.40 (4.5x10)	Si2K0014NP2	1056 (22)
Si2KAF5010LWK	48142	.20x.40 (5x10)	Si2K0014NP4	1056 (22)
Si2KAF5210NW	48143	.20x.40 (5x10)	Si2K0014NP4	990 (22)
Si2KAF6010BW	48144	.20x.40 (5x10)	Si2K0014NP5	858 (22)

Note: Si2KAF series tags can only be printed by the Si2KSYS1US Printer with the automatic feeder and plate indicated above (not Si2KSYSBASICUS printer).



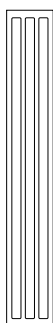
3M Grafoplast Terminal Block Tags Si2KTB Series

These terminal blocks can semi-automatically be printed with either Si2K printers for a variety of manufacturers. Specifications: Polycarbonate material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 248°F (-50°C to 120°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Plate Required	Pkg Qty Tags (Modules)
Si2KTB5010LWK	47075	.20x.40 (5x10)	Si2K0017	540 (12)
Si2KTB5209EW	47196	.20x.35 (5x9)	Si2K0017	540 (12)
Si2KTB5210CW	47195	.20x.40 (5x10)	Si2K0017	540 (12)
Si2KTB6010DW	47194	.20x.40 (5x10)	Si2K0017	540 (12)
Si2KTB6010HW	47197	.20x.35 (5x9)	Si2K0017	540 (12)
Si2KTB6510GW	47193	.20x.40 (5x10)	Si2K0017	420 (12)
Si2KTB6512BW	47076	.20x.47 (5x12)	Si2K0017	420 (12)

Note: Si2KTB series tags can be printed by either the Si2KSYS1US Printer or Si2KSYSBASICUS Printer with the plate indicated above.

Refer to terminal block compatibility table on pages 39-41 and printer plate reference on page 42.



3M™ Grafoplast™ Device Strips Si2K11 Series for Wago™ Entrelec ADO Series

Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

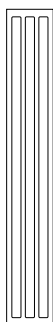
Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
Si2K11130W	47112	.43 x 5.1 (11 x 130)	White	60 (20)
Si2K11155W	47113	.43 x 6.1 (11 x 155)	White	60 (20)
Si2K11205W	47114	.43 x 8.1 (11 x 205)	White	60 (20)



3M Grafoplast Device Strips Si2KPS Series for Siemens® S7 PLC

Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
Si2KPS17W	47904	.7x4.1 (17.3x103.5)	White	200 (50)
Si2KPS22W	47905	.9x4.1 (22.5x103.5)	White	200 (50)



3M Grafoplast Device Strips Si2K06 Series for Phoenix™ Terminal Blocks ST Series

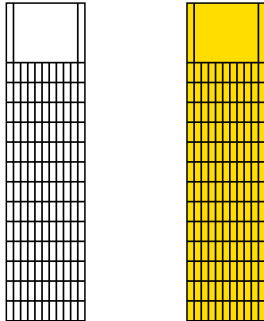
Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
Si2K06130W	47890	.25x5.1 (6.3x130)	White	60 (20)



3M™ Grafoplast™ Thin PVC Tags without Adhesive Si2KFX Series

These thin PVC tags are used for identification of internal equipment devices, such as PLCs, relay contactors and I/O equipment. Specifications: PVC material that is self-extinguishing and can be used in temperatures ranging from -40°F to 176°F (-40°C to 60°C).



Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
Si2KFX0615W	47035	.24x.6 (6x15)	White	6084 (117)
Si2KFX0615Y	47036	.24x.6 (6x15)	Yellow	6084 (117)
Si2KFX0720W	47037	.29x.8 (7x20)	White	3500 (70)
Si2KFX0720Y	47038	.29x.8 (7x20)	Yellow	3500 (70)
Si2KFX0915W	47039	.37x.6 (9x15)	White	3510 (78)
Si2KFX0915Y	47040	.37x.6 (9x15)	Yellow	3510 (78)
Si2KFX2222W	47478	.9x.9 (22x22)	White	800 (16)



3M Grafoplast PVC Tags without Adhesive Si2k1001x, Si2KyyxxW & Si2KyyxxY Series

These tags can be inserted into a variety of sleeves: WKM series cable tie holder from Weidmuller's®, 3M Grafoplast SiT0003X050 holder, 160MT channels, Si1001 and SiHFC1 cable tie sleeves and Si1002 sleeves with adhesive. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

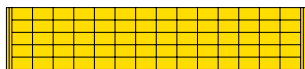
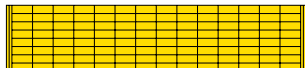
Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Compatibility	Pkg Qty Tags (Modules)
Si2K0730W	47902	.29x1.2 (7x30)	White	Weidmuller's WKM series cable tie holder	1680 (40)
Si2K0730Y	47903	.29x1.2 (7x30)	Yellow	Weidmuller's WKM series cable tie holder	1680 (40)
Si2K0746W	48134	.29x1.9 (7x46)	White	SiT0003X050	1120 (40)
Si2K0920W	46981	.37x.8 (9x20)	White	160MT Channels	2400 (40)
Si2K0920Y	46982	.37x.8 (9x20)	Yellow	160MT Channels	2400 (40)
Si2K0935W	46984	.37x1.4 (9x35)	White	160MT Channels	1440 (40)
Si2K0935Y	46985	.37x1.4 (9x35)	Yellow	160MT Channels	1440 (40)
Si2K1001W	47512	.38x.8 (9.3x20)	White	Si1001, Si1002, SiHFC1	2400 (40)
Si2K1001Y	47513	.38x.8 (9.3x20)	Yellow	Si1001, Si1002, SiHFC1	2400 (40)



3M™ Grafoplast™ PVC Tags with Adhesive Si2K4yyxxW & Si2K4yyxxY Series

These tags can be applied to a variety of contactors and other internal panel devices. Specifications: PVC material that meets UL-94 V-0 with an acrylic adhesive that can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Compatibility	Pkg Qty Tags (Modules)
Si2K40720W	46991	.29x.8 (7x20)	White	Siemen's Series 3R Contactors	1750 (70)
Si2K40720Y	46992	.29x.8 (7x20)	Yellow	Siemen's Series 3R Contactors	1750 (70)
Si2K40817W	47247	.33x.7 (8x17)	White	Tesys Telemecanique Contactors	1925 (77)
Si2K40817Y	47248	.33x.7 (8x17)	Yellow	Tesys Telemecanique Contactors	1925 (77)
Si2K40920W	46993	.37x.8 (9x20)	White	Moller Contactors	1500 (60)
Si2K40920Y	46994	.37x.8 (9x20)	Yellow	Moller Contactors	1500 (60)
Si2K40935W	46995	.37x1.4 (9x35)	White		900 (36)
Si2K40935Y	46996	.37x1.4 (9x35)	Yellow		900 (36)
Si2K41025W	46960	.41x1.0 (10x25)	White		600 (30)



3M Grafoplast Yellow Fabric Label with Adhesive Si2KFK Series

These flexible fabric tags can be applied to irregular surfaces that require a conformable tag. Specifications: Stabilized fabric with adhesive that should be stored below 25°C and 55% RH.

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
Si2KFK0615Y	48120	.24x.6 (6x15)	Yellow	4480 (112)
Si2KFK0915Y	48121	.37x.6 (9x15)	Yellow	2800 (70)



3M™ Grafoplast™ Standard Self-Adhesive Sleeves 140

The transparent self-adhesive PVC sleeve is attached to an adhesive base that provides an alternative method for labeling non-traditional surfaces.

Part #	UPC (013166-)	Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	White	Yellow	Standard	Compressed	
140/15	18665	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
140/30	18690	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200



3M Grafoplast Self-Adhesive Sleeves with Holes 142

The transparent self-adhesive PVC sleeve is combined with the same adhesive base as the 140 sleeve and features holes so that it can be attached using screws or rivets.

Part #	UPC (013166-)	Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	White	Yellow	Standard	Compressed	
142/15	18735	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
142/30	18740	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	200

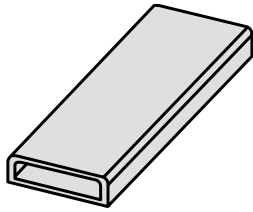


3M Grafoplast Dual Self-Adhesive Sleeves 840

The dual transparent self-adhesive PVC sleeve is combined with the same adhesive base as the 140 sleeve and features dual sleeves for additional marking and identification.

Part #	UPC (013166-)	Length		Matching Si2K Tags		No. of Si2K Characters		Qty.
		in.	mm	White	Yellow	Standard	Compressed	
840/10	22375	0.39	10	Si2K02W/10N	Si2K02Y/10N	6	7	200
840/15	22380	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	200
840/23	22385	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	100
840/30	22390	1.18	30	Si2K02W/30	Si2K02Y/30	18	24	100

Specifications: All Self-Adhesive Sleeves meet UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).



3M™ Grafoplast™ Tag Holder with Adhesive Si1002 and Si2K1001 Tags

The Si1002 Tag Holder with Adhesive and either Si2K1001 Tag can be used for marking on a variety of surfaces. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 120°F (-40°C to 60°C).

Part #	UPC (013166-)	Description	Pkg Qty Tags (Modules)
Si1002	46215	Transparent PVC Tag Holder	240
Si2K1001W	47512	White PVC Tag .38x.8 inches (9.3x20mm)	2400 (60)
Si2K1001Y	47513	Yellow PVC Tag .38x.8 inches (9.3x20mm)	2400 (60)



3M Grafoplast Adhesive Channels 161/MT

The channel has an adhesive base that provides an alternative method for labeling non-traditional surfaces and is paired with a channel sleeve or PVC tag below. Channels can be cut for shorter length applications. Specifications: Meets UL-94 Class V-0 standards and can be used in temperatures ranging from -58°F to 176°F (-50°C to 80°C).

Part #	UPC (013166-)	Material	Length in.	Length mm	Color	Matching Sleeves	Qty.
161/MT	19180	Polyvinylchloride/ Adhesive Acrylic	19.69	500	Gray	150 Series	20
161/MT1	19185	Polyvinylchloride/ Adhesive Acrylic	39.37	1000	Gray	150 Series	10



3M Grafoplast Channel Sleeves 150 Series Tags for 161/MT Series Channel

The channel sleeve holds the marking elements and is snapped into the channel by applying minimal pressure.

Part #	UPC (013166-)	Material	Length in.	Length mm	Matching Si2K Tags White	Matching Si2K Tags Yellow	No. of Si2K Characters Standard	No. of Si2K Characters Compressed	Qty.
150/15	18750	Polyvinylchloride	0.59	15	Si2K02W/15N	Si2K02Y/15N	8	12	500
150/23	18760	Polyvinylchloride	0.91	23	Si2K02W/18N	Si2K02Y/18N	10	14	200



3M Grafoplast PVC Si2K Series Tags for 161/MT Series Channel

Tags with different color and lengths offer flexible options for creating marks with the 161MT series channel. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg. Qty. Tags (Sheets)
Si2K0920W	46981	.37x.8 (9x20)	White	2400 (60)
Si2K0920Y	46982	.37x.8 (9x20)	Yellow	2400 (60)
Si2K0935W	46984	.37x1.4 (9x35)	White	1440 (36)
Si2K0935Y	46985	.37x1.4 (9x35)	Yellow	1440 (36)



3M™ Grafoplast™ Holders SiTOA Series

These tag holders can be applied to variety of surfaces, such as a front panel. Mounting types are available as either adhesive or screw mount. Specifications: Glass-filled polyamide material with maximum operating temperature of 176°F (100°C) with UL-94 V-0 flammability rating.

Part #	UPC (013166-)	With or Without Adhesive	Matching Tags	Optional Matching Cover	Pkg Qty Tags (Modules)
SiTOA06	30631	Adhesive	Si2K1527W, Si2K201W	SiTOV-01	192
SiTOA06X	30632	No Adhesive	Si2K1527W, Si2K201W	SiTOV-01	192
SiTOA07	30633	Adhesive	Si2K1550W, Si2K202W	SiTOV-02	96
SiTOA07X	30634	No Adhesive	Si2K1550W, Si2K202W	SiTOV-02	96
SiTOA08	30635	Adhesive	Si2K1567W, Si2K203W	SiTOV-03	96
SiTOA08X	30636	No Adhesive	Si2K1567W, Si2K203W	SiTOV-03	96



3M Grafoplast PVC Tags Si2K15 Series for SiTOA Series Holders

These PVC tags are commonly used to make an external mark in SiTOA series holders. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
Si2K1527W	47079	.6x1.1 (15x27)	White	198 (18)
Si2K1550W	47082	.6x2.0 (15x50)	White	99 (9)
Si2K1567W	47085	.6x2.7 (15x67)	White	100 (4)



3M™ Grafoplast™ PMMA Tags Si2K20_W Series for SiTOA Series Holders

These “matte finish” polymethyl methacrylate tags can go into the SiTOA holders and provides marks with less glare in areas with bright lighting. Specifications: PMMA material that meets UL-94 HB and can be used in temperatures ranging from -40°F to 180°F (-40°C to 82°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
Si2K201W	46689	.6x1.1 (15x27)	White	198 (18)
Si2K202W	46692	.6x2.0 (15x50)	White	99 (9)
Si2K203W	46695	.6x2.7 (15x67)	White	100 (4)

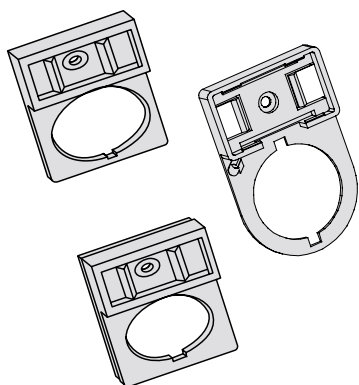


3M Grafoplast Protective Covers SiTOV Series for Tags in SiTOA Series Holders

These covers provide additional protection by snapping into holders over the tag. Specifications: Polycarbonate material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 250°F (-50°C to 120°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
SiTOV-01	31111	.6x1.1 (15x27)	Transparent	192
SiTOV-02	31112	.6x2.0 (15x50)	Transparent	96
SiTOV-03	31113	.6x2.7 (15x67)	Transparent	96

Optional protective covers offer additional protection for mark.



3M™ Grafoplast™ Button Holders SiTOB0 Series

These tag holders for button switches can be applied to the front panel for identification or function of button switches. Mounting types are available as either adhesive or screw mount. Specifications: Glass-filled polyamide material with maximum operating temperature of 176°F (100°C) with UL-94 V-0 flammability rating.

Part #	UPC (013166-)	Button Size or Type	With or Without Adhesive	Matching Tags	Optional Matching Cover	Pkg Qty Tags (Modules)
SiTOB05	30637	22.5 mm Diameter	Adhesive	Si2K1527W, Si2K201W	SiTOV-01	192
SiTOB05CX	47301	22.5 mm Diameter	No Adhesive	Si2K1527W, Si2K201W	SiTOV-01	192
SiTOB05X	30638	22.5 mm Diameter	No Adhesive	Si2K1527W, Si2K201W	SiTOV-01	192
SiTOB07	46100	Telemechanique™ Harmony ZB4	Adhesive	Si2K1527W, Si2K201W	SiTOV-01	192
SiTOB07X	46101	Telemechanique Harmony ZB4	No Adhesive	Si2K1527W, Si2K201W	SiTOV-01	192
SiTOB08	46267	22 mm Diameter	Adhesive	Si2K2727W	SiTOV-04	96
SiTOB08X	46268	22 mm Diameter	No Adhesive	Si2K2727W	SiTOV-04	96
SiTOB09	46263	Telemechanique Harmony ZB4	Adhesive	Si2K0827W	SiTOV-05	192
SiTOB09X	46264	Telemechanique Harmony ZB4	No Adhesive	Si2K0827W	SiTOV-05	192



3M Grafoplast PMMA Tags Si2K201W for SiTOB0 Series Button Holders

These “matte finish” polymethyl methacrylate tags can go into the SiTOB0 button holders and provide marks with less glare in areas with bright lighting. Specifications: PMMA material that meets UL-94 HB and can be used in temperatures ranging from 40°F to 180°F (-40°C to 82°C).

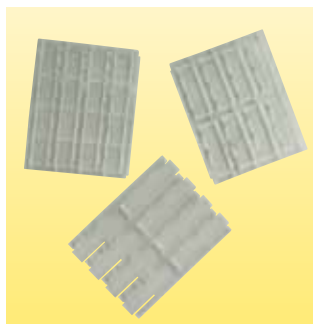
Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Mtl	Pkg Qty Tags (Sheets)
Si2K201W	46689	.6x1.1 (15x27)	White	PMMA	192 (16)



3M™ Grafoplast™ PVC Tags Si2K__27W Series for SiTOB0 Series Button Holders

These PVC tags are commonly used to make an external mark in SiTOB0 Series button holders. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Mtl	Pkg Qty Tags (Sheets)
Si2K1527W	47079	.6x1.1 (15x27)	White	PVC	198 (18)
Si2K0827W	48165	.31x1.1 (8x27)	White	PVC	420 (10)
Si2K2727W	47245	1.1x1.1 (27x27)	White	PVC	98 (14)

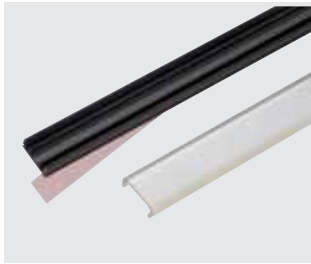


3M Grafoplast Protective Covers SiTOV-0 Series for SiTOB0 Series Button Holders

These covers provide additional protection by snapping into holders over the tag. Specifications: Polycarbonate material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 250°F (-50°C to 120°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags (Sheets)
SiTOV-01	31111	.6x1.1 (15x27)	Transparent	192
SiTOV-04	46272	1.1x1.1 (27x27)	Transparent	96
SiTOV-05	46266	.31x1.1 (8x27)	Transparent	192

Optional protective covers offer additional protection for mark.



3M™ Grafoplast™ Channels SiTOB Series

These channels, used for holding strips and tags, can be easily attached with adhesive backing for identification of rows of switches or lights. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from 15°F to 160°F (-10°C to 70°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Matching Strips*	Matching Cover	Pkg Qty Channels
SiTOB10/430	47180	.4x17.6 (10x430)	Si2K804W/___	SiTOC10/430	36
SiTOB15/430	47181	.6x17.6 (15x430)	Si2K15___W, Si2K806W/___	SiTOC15/430	48
SiTOB20/430	47182	.8x17.6 (20x430)	Si2K20___W, Si2K808W/___	SiTOC20/430	36

3M Grafoplast Protective Covers for SiTOB Series Channels; SiTOC Series

These covers provide additional protection by snapping on channels over the tag(s). Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from 15°F to 160°F (-10°C to 70°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Covers
SiTOC10/430	47183	.4x17.6 (10x430)	Transparent	36
SiTOC15/430	47184	.6x17.6 (15x430)	Transparent	48
SiTOC20/430	47185	.8x17.6 (20x430)	Transparent	36

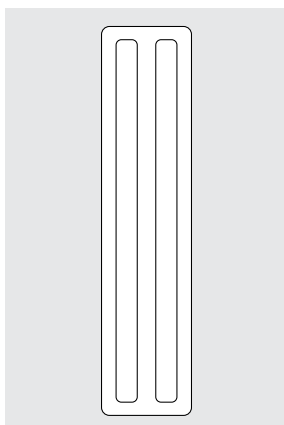


3M Grafoplast Transparent Holders SiT000 Series

These transparent strip-and-tag holders can be easily attached with adhesive backing for identification of rows of switches or lights. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 175°F (-50°C to 80°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Matching Strips*	Pkg Qty Holders
SiT0003/430	47188	.4x17.6 (12x430)	Si2K804W/___	36
SiT0004/430	47189	.6x17.6 (17x430)	Si2K15___W, Si2K806W/___	48
SiT0005/430	47190	.8x17.6 (21x430)	Si2K20___W, Si2K808W/___	36

*Underscored portion of strip number is length of strip in millimeter for application.



3M™ Grafoplast™ PVC Exterior Strips Si2Kyyxxx Series without Adhesive for Channels

These PVC strips are commonly used to make an external mark in channels. Specifications: PVC material that meets UL-94 V-0 and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

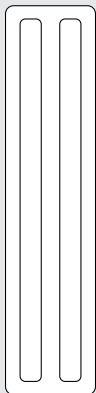
Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Matching Channels	Pkg Qty Strips or Tags (Sheets)
Si2K1067W	46990	.4x2.6 (10x67)	White	SiT0B10/430, SiT0003/430	200
Si2K1517W	46987	.6x0.7 (15x17)	White	SiT0B15/430, SiT0004/430	1560 (39)
Si2K1527W	47079	.6x1.1 (15x27)	White	SiT0B15/430, SiT0004/430	198 (18)
Si2K1550W	47082	.6x2.0 (15x50)	White	SiT0B15/430, SiT0004/430	99 (9)
Si2K1567W	47085	.6x2.7 (15x67)	White	SiT0B15/430, SiT0004/430	100 (4)
Si2K15215W	47046	.6x8.8 (15x215)	White	SiT0B15/430, SiT0004/430	40
Si2K15430W	47058	.6x17.6 (15x430)	White	SiT0B15/430, SiT0004/430	40
Si2K20215W	47062	.8x8.8 (20x215)	White	SiT0B20/430, SiT0005/430	40
Si2K20430W	47042	.8x17.6 (20x430)	White	SiT0B20/430, SiT0005/430	40
Si2K24430W	47867	.9x17.6 (24x430)	White	Merlin Gerlin Channels	40



3M Grafoplast PMMA Exterior Strips Si2K80 Series without Adhesive for Channels

These “matte finish” Polymethyl methacrylate strips can be used with channels to provide marks with less glare in areas with bright lighting. Specifications: PMMA material that meets UL-94 HB and can be used in temperatures ranging from -40°F to 180°F (-40°C to 82°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Matching Channels	Pkg Qty Strips
Si2K804W/215	46628	.4x8.8 (10x215)	White	SiT0B10/430, SiT0003/430	80
Si2K804W/430	46630	.4x17.6 (10x430)	White	SiT0B10/430, SiT0003/430	80
Si2K806W/215	46632	.6x8.8 (15x215)	White	SiT0B15/430, SiT0004/430	40
Si2K806W/430	46634	.6x17.6 (15x430)	White	SiT0B15/430, SiT0004/430	40
Si2K808W/215	46636	.8x8.8 (20x215)	White	SiT0B20/430, SiT0005/430	40
Si2K808W/430	46638	.8x17.6 (20x430)	White	SiT0B20/430, SiT0005/430	40



3M™ Grafoplast™ Exterior PVC Tags and Strips Si2K4yyxxx Series with Adhesive

These PVC tags and strips with adhesive backing can be directly applied to panel fronts for identifying a series of switches or lights. Specifications: PVC material that meet UL-94 V-0 with an acrylic adhesive and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

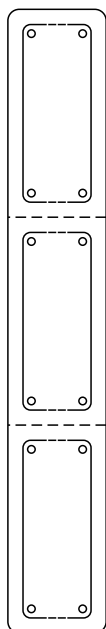
Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags/ Strips (Sheets)
Si2K41517W	46997	.6x0.7 (15x17)	White	975 (39)
Si2K41527W	47001	.6x1.1 (15x27)	White	198 (18)
Si2K41550W	46953	.6x2.0 (15x50)	White	99 (9)
Si2K41567W	47007	.6x2.7 (15x67)	White	100 (4)
Si2K415215W	47054	.6x8.8 (15x215)	White	40
Si2K415430W	47066	.6x17.6 (15x430)	White	40
Si2K420215W	47070	.8x8.8 (20x215)	White	40
Si2K420430W	47050	.8x17.6 (20x430)	White	40



3M™ Grafoplast™ PVC Exterior Name Plates with Adhesive Si2K4yyxxx Series

These PVC name plate tags with adhesive backing can be directly applied to panel fronts. They are available in 3 sizes and 4 colors. Specifications: PVC sheet materials that meets UL-94 V-0 with an acrylic adhesive and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

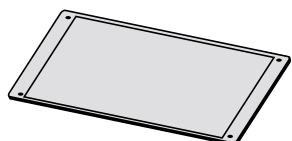
Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Optional Matching Cover	Pkg Qty Tags (Sheets)
Si2K43070W	47011	1.2x2.9 (30x70)	White	SiT0V301	20
Si2K43070B	47013	1.2x2.9 (30x70)	Black	SiT0V301	20
Si2K43070M	47014	1.2x2.9 (30x70)	Metallic Gray	SiT0V301	20
Si2K43070Y	47012	1.2x2.9 (30x70)	Yellow	SiT0V301	20
Si2K44090W	47015	1.6x3.7 (40x90)	White	SiT0V401	15
Si2K44090B	47017	1.6x3.7 (40x90)	Black	SiT0V401	15
Si2K44090M	47018	1.6x3.7 (40x90)	Metallic Gray	SiT0V401	15
Si2K44090Y	47016	1.6x3.7 (40x90)	Yellow	SiT0V401	15
Si2K460100W	47019	2.5x4.1 (60x100)	White	SiT0V601	15
Si2K460100B	47021	2.5x4.1 (60x100)	Black	SiT0V601	15
Si2K460100M	47022	2.5x4.1 (60x100)	Metallic Gray	SiT0V601	15
Si2K460100Y	47020	2.5x4.1 (60x100)	Yellow	SiT0V601	15



3M™ Grafoplast™ PMMA Exterior Name Plates with Adhesive Si2K301W, Si2K401W & Si2K601W Family

These “matte finish” polymethyl methacrylate strips can be applied to panel fronts for less glare in areas with bright lighting. Specifications: PMMA material that meets UL-94 HB and can be used in temperatures ranging from -40°F to 180°F (-40°C to 82°C).

Part #	UPC (013166-)	Approx. Dim. in.	Color	Optional Matching Cover	Pkg Qty Tags (Sheets)
Si2K301W	46652	1.2x2.9 (30x70)	White	SiTOV301	20
Si2K401W	46654	1.6x3.7 (40x90)	White	SiTOV401	15
Si2K601W	46656	2.5x4.1 (60x100)	White	SiTOV601	15



3M Grafoplast Protective Covers for Name Plates SiTOV Series

These covers provide additional protection for name plate tags with raised edges along all sides of the tag. The mounting holes align with tag holes for easy assembly and securing. Specifications: Polycarbonate material that meets UL-94 V-0 and can be used in temperatures ranging from -58°F to 250°F (-50°C to 120°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Tags Covered	Pkg Qty Covers
SiTOV301	31114	1.3x2.9 (34x74)	Transparent	Si2K4090_, Si2K44090_, Si2K401_	10
SiTOV401	31115	1.7x3.7 (44x94)	Transparent	Si2K4090_, Si2K44090_, Si2K401_	10
SiTOV601	31116	2.5x4.1 (64x104)	Transparent	Si2K60100_, Si2K460100_, Si2K601_	10



3M™ Grafoplast™ PVC Exterior Name Plates without Adhesive Si2Kyyxxx Series

These PVC name plate tags can be directly applied to panel fronts. They are available in three sizes and four colors. Specifications: PVC sheet materials that meets UL-94 V-0 with an acrylic adhesive and can be used in temperatures ranging from -40°F to 140°F (-40°C to 60°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Optional Matching Cover	Pkg Qty Tags (Sheets)
Si2K3070W	47023	1.2x2.9 (30x70)	White	SiTOV301	20
Si2K3070Y	47024	1.2x2.9 (30x70)	Yellow	SiTOV301	20
Si2K4090W	47027	1.6x3.7 (40x90)	White	SiTOV401	15
Si2K4090B	47029	1.6x3.7 (40x90)	Black	SiTOV401	15
Si2K4090M	47030	1.6x3.7 (40x90)	Metallic Gray	SiTOV401	15
Si2K4090Y	47028	1.6x3.7 (40x90)	Yellow	SiTOV401	15
Si2K60100W	47031	2.5x4.1 (60x100)	White	SiTOV601	15
Si2K60100B	47033	2.5x4.1 (60x100)	Black	SiTOV601	15
Si2K60100M	47034	2.5x4.1 (60x100)	Metallic Gray	SiTOV601	15
Si2K60100Y	47032	2.5x4.1 (60x100)	Yellow	SiTOV601	15



3M Grafoplast PMMA Laminated Exterior Name Plates without Adhesive Si2KTyyxxB/W Family

These “matte finish” polymethyl methacrylate strips can be applied to panel fronts for less glare in areas with bright lighting. The black and white lamination gives flexibility to users to apply different color backgrounds and contrasting color edge. These tags are intended to be marked only with thermal transfer printing. Specifications: PMMA material that meets UL-94 HB and can be used in temperatures ranging from -40°F to 180°F (-40°C to 82°C).

Part #	UPC (013166-)	Approx. Dim. in. (mm)	Color	Pkg Qty Tags
Si2KT1550B/W	47274	0.6x2.0 (15x50)	Black on 1 side, White on other	96
Si2KT3550B/W	47273	1.4x2.0 (35x50)	Black on 1 side, White on other	72
Si2KT30120B/W	47199	1.2x4.9 (30x120)	Black on 1 side, White on other	50
Si2KT2580B/W	47276	1.0x3.3 (25x80)	Black on 1 side, White on other	48
Si2KT50180B/W	47198	2.0x7.3 (50x80)	Black on 1 side, White on other	30
Si2KT29190B/W	47275	1.2x7.8 (29x190)	Black on 1 side, White on other	12

Cable and Wire Quick Reference Guide for 3M™ Grafoplast™ Sleeve/Tag Selection

Size AWG MCM	Types of Wire: RFH-2, RH, RHH*** SF-2, RHW***			Types of Wire: TF, THW**, TW		
	Outside Diameter in.	mm	3M Sleeve size	Outside Diameter in.	mm	3M Sleeve size
18	.146	3.71	202, 302, 802, 902, X	.106	2.69	202, 301, 802, 902, X
16	.158	4.01	203, 302, 902, X	.118	3.00	202, 301, 302, 802, 902, X
14	.171	4.34	203, 302, 902	.131	3.33	202, 301, 302, 802, 902, X
14	.204*	5.18	203, 303, 903	-	-	-
14	-	-	-	.162*	4.11	203, 302, 902, X
12	.188	4.78	203, 302, 902	.148	3.76	202, 302, 802, 902, X
12	.221*	5.61	203, 303, 903	-	-	-
12	-	-	-	.179*	4.55	203, 302, 902
10	.242	6.15	203, 204, 303, 903	.168	4.27	203, 302, 902
10	-	-	-	.199*	5.05	203, 303, 903
8	.328	8.33	204, 304, 808, 903	.245	6.22	203, 204, 303, 903
8	-	-	-	.276*	7.01	204, 303, 903
6	.397	10.08	205, 809, 903	.323	8.20	204, 304, 808, 903
4	.452	11.48	205, 809	.372	9.45	204, 304, 808, 903
3	.481	12.22	205, 810	.401	10.19	205, 809, 903
2	.513	13.03	205, 810	.433	11.00	205, 809, 903
1	.588	14.94	206, 811	.508	12.90	205, 810
1/0	.629	15.98	206	.549	13.94	205, 810
2/0	.675	17.14	206	.595	15.11	206, 811
3/0	.727	18.67	206	.647	16.43	206
4/0	.785	19.94	206	.705	17.91	206
250	.868	22.05	207	.788	20.02	206
300	.933	23.7	207	.843	21.41	206
350	.985	25.02	207	.895	22.73	207
400	1.032	26.21	207	.942	23.93	207
500	1.119	28.42	207	1.029	26.14	207
600	1.233	31.32	208	1.143	29.03	207
700	1.304	33.12	208	1.214	30.84	208
750	1.339	34.01	208	1.249	31.72	208
800	1.372	34.85	208	1.282	32.56	208
900	1.435	36.45	209	1.345	34.16	208
1000	1.494	37.95	209	1.404	35.66	209

*The dimensions of types RHH and RHW.

**Dimensions of THW in sizes No. 14 - No. 8. No. 6 THW and larger are same dimension as TW.

***Dimensions of RHH and RHW without outer covering are same as THW No. 18 - No. 10, Solid; No. 8 and larger stranded.

X = Si2KTM Series Tags

Cable and Wire Quick Reference Guide for 3M™ Grafoplast™ Sleeve/Tag Selection

Size AWG MCM	Types of Wire TFN, THHN, THWN			Types of Wire XHHW, ZW**		
	Outside Diameter in.	mm	3M Sleeve size	Outside Diameter in.	mm	3M Sleeve size
18	.089	2.26	201, 202, 301, 802, 902, X			
16	.100	2.54	202, 301, 802, 902, X			
14	.105	2.67	202, 301, 802, 902, X	.129	3.28	202, 301, 302, 802, 902, X
14	-	-	-			
14	-	-	-			
12	.122	3.10	202, 301, 302, 802, 902, X	.146	3.71	202, 302, 802, 902, X
12	-	-	-			
12	-	-	-			
10	.153	3.89	202, 302, 802, 902, X	.166	4.22	203, 302, 902, X
10	-	-	-			
8	.218	5.54	203, 303, 903	.241	6.12	203, 204, 303, 903
8	-	-	-			
6	.257	6.53	204, 303, 903	.282	7.16	204, 303, 903
4	.328	8.33	204, 304, 808, 903	.328	8.33	204, 304, 808, 903
3	.356	9.04	204, 304, 808, 903	.356	9.04	204, 304, 808, 903
2	.388	9.86	204, 304, 808, 903	.388	9.86	204, 304, 808, 903
1	.450	11.43	205, 809	.450	11.43	205, 809
1/0	.491	12.47	205, 810	.491	12.47	205, 810
2/0	.537	13.64	205, 810	.537	13.64	205, 810
3/0	.588	14.94	206, 811	.588	14.94	206, 811
4/0	.646	16.41	206	.646	16.41	206
250	.716	18.19	206	.716	18.19	206
300	.771	19.58	206	.771	19.58	206
350	.822	20.88	206	.822	20.88	206
400	.869	22.07	207	.869	22.07	207
500	.955	24.26	207	.955	24.26	207
600	1.038	26.87	207	1.073	27.25	207
700	1.129	28.68	207	1.145	29.08	207
750	1.163	29.54	207	1.180	29.97	207
800	1.196	30.38	208	1.210	30.73	208
900	1.259	31.98	208	1.270	32.26	208
1000	1.317	33.45	208	1.330	33.78	208
1250	-	-	-	1.500	38.10	209

** For wire gauge sizes from number 14 to number 2.
X = Si2KTM Series Tags

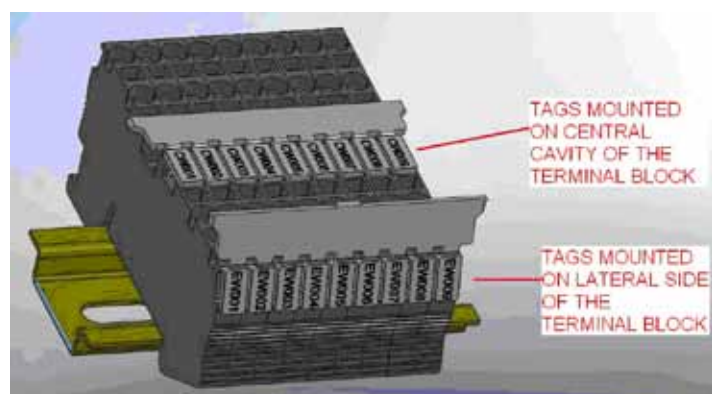
Cable and Wire Quick Reference Guide for 3M™ Grafoplast™ Sleeve/Tag Selection

Size AWG MCM	Types of Wire FEP, FEPB, FEPW, TFE, PF, PFA, PFAH, PGF, PTF, Z, ZF, ZFF			Types of Wire KF-1, KF-2, KFF-1, KFF-2		
	Outside Diameter		3M Sleeve size	Outside Diameter		3M Sleeve size
	in.	mm		in.	mm	
18	.081	2.06	201, 202, 301, 802, 902, X	.065	1.65	201, 902, X
16	.092	2.34	201, 202, 301, 802, 902, X	.070	1.78	201, 902, X
14	.105	2.67	202, 301, 802, 902, X	.083	2.11	201, 202, 301, 802, 902, X
12	.121	3.07	202, 301, 302, 802, 902, X	.102	2.59	202, 301, 802, 902, X
10	.142	3.61	202, 302, 802, 902, X	.124	3.15	202, 301, 302, 802, 902, X
8	.206	5.23	203, 303, 903			
	(.186)	(4.72)	(203, 302, 902)			
6	.244	6.20	203, 204, 303, 903			
	(.302)	(7.67)	(204, 303, 903)			
4	.292	7.42	204, 303, 903			
	(.350)	(8.89)	(204, 304, 808, 903)			
3	.320	8.13	204, 304, 808, 903			
	(.378)	(9.60)	(204, 304, 808, 903)			
2	.352	8.94	204, 304, 808, 903			
	(.410)	(10.41)	(205, 809, 903)			
1	.420	10.67	205, 809, 903			
1/0	.462	11.73	205, 809			
2/0	.498	12.65	205, 810			
3/0	.560	14.22	206, 811			
4/0	.618	15.70	206, 811			

() The values in parenthesis are for FEPB, Z, ZF and ZFF only.

X = Si2KTM Series Tags

Lateral vs. Central Tag Placement on Terminal Blocks



3M™ Grafoplast™ Tag Compatibility with Terminal Blocks

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
CABUR											
HMM1	S										-
HMM2	S										S L
HMM4	S										S L
HMM6	S										S L
HMD1	S										-
HMD2N	S										-
DAS4	G										S
CBC 2	-										S
CBC 4	G										S
CBC 6	S										S
CBD2	-										S
CBD4	S										G
CBD6	S										S
CBD10	S										S
CBD16	S										S
CBD35	S										S
CBD50	S										S
CBD70	S										S
EDM2,5	S										S
EDM4	S										G
EDM6	S										S
EDM10	S										S
EDM16	S										S
EDM25	S										S
EDM35	S										S
EDM70	S										S
FOP 2-2,5	-										-
VPC 2-2,5	S										S
RN1	S										-
RN2	S										S
RN4	S										S
WEIDMULLER											
SAK 2,5		S			S						
SAK 4		S			S						
SAK 6		S			S						
WDU 1,5		S			S						

Legend for Location of Marks on Terminal Blocks:

(see bottom of page 38 for more detail)

- G Group insertion (same spacing as that of terminal blocks)
- S Single insertion
- L Lateral position
- C Central (at top) position

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
WEIDMULLER											
WDU 2,5		G			G						
WDU 4		S			S						
WDU 6		S			S						
WDU 10		S			S						
WDU 16		S			S						
WDU 35		S			S						
ZDU 2,5		G			G						
ZDU 6		S			S						
WSI 6		S			S						
WTR 2,5		G			G						
WPE 2,5		G			G						
WPE 4		S			S						
ZPE 2,5		G			G						
WNT 2,5		G			G						
WDK 2,5		G			G						
WDK 4		S			S						
STAFFEL											
TAC 10					S						
PHOENIX											
ST 2,5				S		GL	GC				
ST 4				S		SL	SC				
ST 6				S		SL	SC				
UT 2,5				S		-	G				
UT 4				S		-	S				
UT 6				S		-	S				
UK 1,5N				S		-	-				
UK 2,5				S		-	G				
UK 3				S		-	S				
UK 5				S		-	S				
UK 5N				S		-	S				
UKK 3				S		-	G				
UKK 5				S		-	S				
ZFK 2,5				-		G	-				
PIK 4PE/L/N-L				S		-	S				
PIK4-L/L				S		-	S				

3M™ Grafoplast™ Tag Compatibility with Terminal Blocks

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
PHOENIX											
UDMTK5				S		-	-				
STTBS2/5				S		-	-				
WAGO											
279				-	-		-				
280				G	-		S				
281				-	-		S				
282				-	-		S				
283				-	-		S				
284				-	-		S				
290				-	-		S				
TOP JOB'S 2002			G	-	-		-				
TOP JOB'S 2004			S								
TOP JOB'S 2006			S								
870				-	G		-				
769				-	-		-				
SIEMENS											
8WA2						-	-			S	
8WA1				S		-	-			G	
8WH2						S L	S C			-	
8WH3						S L	S C			-	
8WH4						-	S C			-	
8WH5						S L	S C			-	
32A						-	-			S	
SQUARE D (TELEMECANIQUE)											
AB1-RR435U2								G			
WK 4SL/U								S			
WK 4E/U								G			
WK 4/THSI5								S			
WK 4/U								G			
WK 6SL/U								S			
WK 10/SIU								S			
WKN 16/U								S			

Legend for Location of Marks on Terminal Blocks:

(see bottom of page 38 for more detail)

- G Group insertion (same spacing as that of terminal blocks)
- S Single insertion
- L Lateral position
- C Central (at top) position

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
KLEMSAN											
AVK 2,5					G						
AVK 4					S						
AVK 6					S						
AVK 10					S						
LEGRAND (ORTRONICS OR BERK-TEK)											
10A						-		S			
20A						-		S			
25A						-		G			
35A						-		S			
50A						-		S			
70A						-		S			
396 2/7						-		G			
390 81						-		G			
VIKING 370						S		-			
CONTACTCLIP											
RK 2,5		G			G						
RK 2,5/35		G			G						
RK 2,5-4		S			S						
RKD 2,5		G			G						
RKD 2,5/35		G			G						
RKD 4		S			S						
RK 4...RK 240		S			S						
SRK 2,5/15		G			G						
SRK 2,5		G			G						
IK 2,5		G			G						
IKD 2,5		G			G						
BJA 2,5		G			G						
KBL 2,5		G			G						
SL 4...SL 35		S			S						
TSK...		S			S						
FF...		S			S						
STK...		S			S						
SIK...		S			S						
PTK...		S			S						
TRK...		S			S						
ES...		S			S						

3M™ Grafoplast™ Tag Compatibility with Terminal Blocks

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
CONTA CLIP											
EH...		S			S						
ZSRK2,5...		G			G						
ZRK 2,5...		G			G						
ZSLN 2,5...		G			G						
ZSL 2,5		G			G						
ZIKD 2,5...		G			G						
ZSLD 2,5...		G			G						
ZRKD 2,5...		G			G						
ZTRK 2,5...		G			G						
ZIZA 1,5...		G			G						
ZRK 4...ZRK 16		S			S						
ZSL 4...ZSL 16		S			S						
FRK 2,5...		G			G						
FSL 2,5...		G			G						
FRKD 2,5...		G			G						
FDLIS		G			G						
FRK 4		S			S						
FSL 4		S			S						
WOERTZ											
30301									G		
30145									S		
30150									S		
3450									G		
3430									G		
ABB ENTRELEC											
D2,5											
D4											
D6											
M2,5/5				G				S			
M4/6				S				S			
M6/8				S				S			
ALLEN BRADLEY (ROCKWELL AUTOMATION)											
1496 R3					-				S		
1496 R4					-				G		
1496 R6					-				S		
1492 W3					-				S		

Legend for Location of Marks on Terminal Blocks:

(see bottom of page 38 for more detail)

- G Group insertion (same spacing as that of terminal blocks)
- S Single insertion
- L Lateral position
- C Central (at top) position

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
ALLEN BRADLEY (ROCKWELL AUTOMATION)											
1492 W4					-				G		
1492 W10					-				S		
1492 W16S					-				S		
1492 W35					-				S		
1492 WD3					-				S		
1492 WD4					-				G		
1492 RD3					-				S		
1492 RTS2					-				S		
1492 K3					S				-		
1492 J3					G				S		
1492 L3					G				S		
1492 J4					S				G		
1492 JD3C					G				-		
ARNOCANALI											
ADL2.5...				S			S				
CTS2				G			-				
CTS4				S			S				
CTS6				S			S				
CTS10				S			S				
CTS16				S			S				
CTS25				S			S				
CTS35				S			S				
CTS50		S		-	S		-				
CTS95		S		-	S		-				
CSFL4...		SC		SL	SC		SL				
CSCG2				G			S				
CSCG4				S			S				
CSCG6				S			S				
CSCG10				S			S				
CSCG16				S			S				
CA202				S			S				
CA702				S			S				
CA802				S			S				
CGT4				S			S				
CGT6				S			S				

3M™ Grafoplast™ Tag Compatibility with Terminal Blocks

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
CONNECT WELL											
ADL2.5...				S			S				
CTS2,5UN				G			-				
CTS4UN				S			S				
CTS6U				S			S				
CTS10U				S			S				
CTS16U				S			S				
CTS25U				S			S				
CTS35U				S			S				
CTS50U		S		-	S		-				
CTS95U		S		-	S		-				
CSCG2,5T				G			S				
CSCG4T				S			S				
CSCG6T				S			S				
CSCG10T				S			S				
CSCG16T				S			S				
CSCG35T				S			S				
CSFL4...		SC		SL	SC		SL				
CSC2,5T				G			S				
CSC4T				S			S				
CSC6T				S			S				
CSC10T				S			S				
CSC16T				S			S				
CA202				S			S				
CA702				S			S				
CA202				S			S				
CGT4N				S			S				
CGT6N				S			S				
CGT4U				S			S				
CGT10U				S			S				
CGT35U				S			S				
WEILAND											
WK/...								G			
WK 2,5/U...								-			
WK 2,5 SL/35								-			
WK 4...								G			

Legend for Location of Marks on Terminal Blocks:

(see bottom of page 38 for more detail)

- G Group insertion (same spacing as that of terminal blocks)
- S Single insertion
- L Lateral position
- C Central (at top) position

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
WEILAND											
WK 4/Si-D/U 5X25								S			
WK 4 THSI 5.../U								S			
WK 4 THSI 6,3.../U								S			
WK 6...								S			
WKC 1 E/F/C/35								G			
WKC 1 D2F/2C/35								G			
WKC 1 D2F/2C/SL/35								G			
WKC 2,5...								S			
WKFN 4...								GL			
WKI...								S			
WKI 4...								GL			
WKM 2,5...								-			
WKM 4...								G			
WKN 4...								G			
WKN 10...								S			
WKN 16...								S			
WKN 35...								S			
WKN 70...								S			
WKN 150/U								S			
9700 A/5 S35								-			
9700 A/6...								G			
9701 A/8...								S			
9702 A/10...								S			
9703 A/12 S35								S			
9704 A/16...								S			
9700 B...								S			
9785 U/...								S			
9786 U/12								S			
9760 U/8 TKE...								S			

3M™ Grafoplast™ Tag Compatibility with Terminal Blocks

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
ELMEX											
CET 4		S			S						
DBK...		S			S						
DCDT 4		S			S						
DCF 4		S			S						
DCT 2.5		G			G						
DCT...		S			S						
DFBK 12		S			S						
DU3D 4		S			S						
DUSD 4		S			S						
EBT...		-			-						
EBT 4TWIN		S			S						
ET...		S			S						
FDBK...		S			S						
KU2D 4...		S			S						
KUDD 4...		S			S						
KUDD 4N		S			S						
KUDDF...		S			S						
KUDF...		S			S						
KUF...		S			S						
KULTD...		S			S						
KULTD 4...		S			S						
KULT 4		S			S						
KULT...		S			S						
KUTM 2.5		G			G						
KUT...		S			S						
KUT 2.5		S			S						
KUT 4N		S			S						
KST...		S			S						
LPT...		S			S						
MBT 4		S			S						
MCT 2.5		S			S						
MCT2.5P4		S			S						
NET 4		S			S						
PET 4		S			S						
SCT 2.5		G			G						

	Si2K										
	Si2KAF6010BW	Si2KAF5010LWK	Si2KAF5210NW	Si2KAF5010CW	Si2KTB5010LWK	Si2KTB5209EW	Si2KTB5210CW	Si2KTB6010DW	Si2KTB6010HW	Si2KTB6510GW	Si2KTB6512BW
ELMEX											
SCT 4		S			S						
SUT 1.5		G			G						
SUT 4		S			S						
UBT 10		-			-						
ONKA											
MRK 1.5		S			S						
MRK...		S			S						
ORK...		S			S						
52107		S			S						
52115		S			S						
52116		S			S						
52117		S			S						
52119		S			S						
G52111		S			S						
MTK 4		S			S						
MTK 10		S			S						
OTES6K		S			S						
OTES6T		S			S						
OTES6C		S			S						
OTES10K		S			S						
OTES10T		S			S						
OTES10C		S			S						

Legend for Location of Marks on Terminal Blocks:

(see bottom of page 38 for more detail)

G Group insertion (same spacing as that of terminal blocks)

S Single insertion

L Lateral position

C Central (at top) position

Plates for Tags and Terminal Block Tags

For 3M™ Grafoplast™ Si2KSYS1 Printer in Automatic Mode

	Si2K0014NP1	Si2K0014NP2	Si2K0014NP3	Si2K0014NP4	Si2K0014NP5
Si2K02W/10N	●				
Si2K02W/15N	●				
Si2K02W/18N	●				
Si2K02W/30*	●				
Si2K02Y/10N	●				
Si2K02Y/15N	●				
Si2K02Y/18N	●				
Si2K02Y/30*	●				
Si2KTM02W/10			●		
Si2KTM02Y/10			●		
Si2KAF5010CW		●			
Si2KAF5010LWK				●	
Si2KAF5210NW				●	
Si2KAF6010BW					●

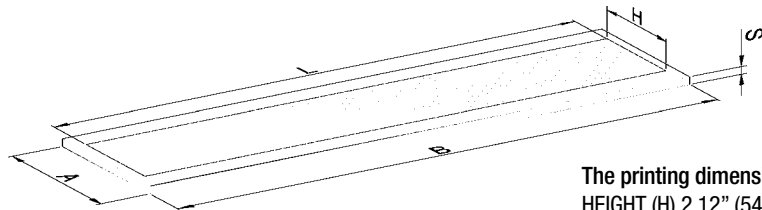
* The Si2K0013NAD adapter is necessary.

For 3M Grafoplast Si2KSYS1 Printer or Si2KSYSBASIC Printer in Semi-Automatic Mode

	Si2K0017	Si2K0021	Si2K0023
Si2K02W/10N		●	
Si2K02W/15N		●	
Si2K02W/18N		●	
Si2K02W/30			●
Si2K02Y/10N		●	
Si2K02Y/15N		●	
Si2K02Y/18N		●	
Si2K02Y/30			●
Si2KTB5010LWK	●		
Si2KTB5209EW	●		
Si2KTB5210CW	●		
Si2KTB6010DW	●		
Si2KTB6010HW	●		
Si2KTB6510GW	●		
Si2KTB6512BW	●		

3M™ Grafoplast™ Custom Tag Request Form

Are you looking for a mark or tag with dimensions that are different from the standard ones in this catalog?
Please complete the form below. Provide this completed form to your 3M sales representative or send it to the number/address below. Please state your specific requirements.



Minimum and Maximum Dimensions

HEIGHT (A) .39" - 3.15" (10-80 mm)
LENGTH (B) 2.36" - 19.7" (60-500 mm)
THICKNESS (S) .008" - 0.24" (0.2 - 6 mm)

The printing dimensions can be as follows:

HEIGHT (H) 2.12" (54 mm) LENGTH (L) 19.5" (495 mm)

Material

☐ PVC

☐ VINYL

☐ POLYMETHYL METHACRYLATE

☐ SELF-ADHESIVE

☐ NON SELF-ADHESIVE

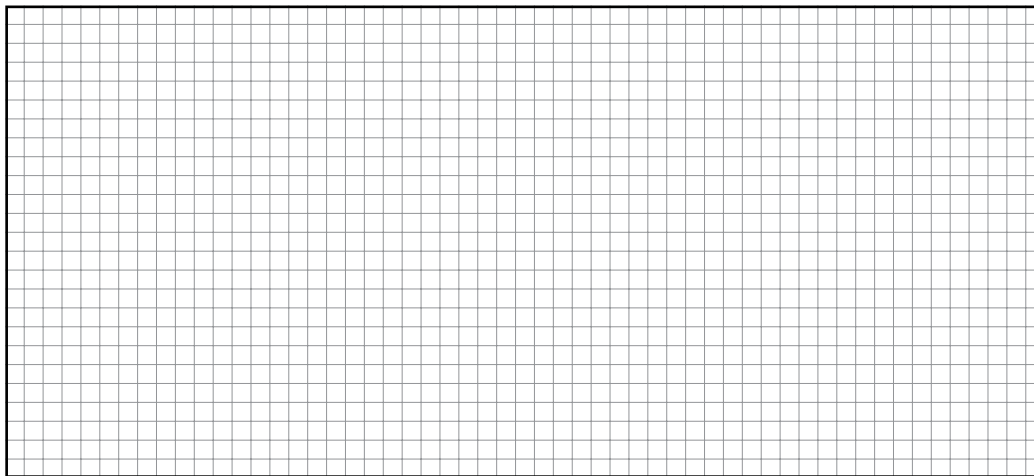
BACKGROUND COLOR _____

ROUNDED CORNERS

☐ YES

☐ NO

Draw here the item required



Dimensions

Height _____ Length _____ Thickness _____ Quantity/yr. _____

Customer (Company) _____

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Grafoplast, a 3M Company
3M Electrical Markets Division
6801 Riverplace Blvd.
Austin, TX 78726-9000

PH 800 245 0329 or 800 676 8381 or 800 472 1190
Fax 800 828 9329 or 800 828 9329 or 800 262-6329

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TRASP System*



Portable Printing



Benchtop printing

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Electrical Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800 676 8381
FAX 800 828 9329
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