

# CONTA-CONNECT MARKING SYSTEMS

**CONTA-LABEL:**

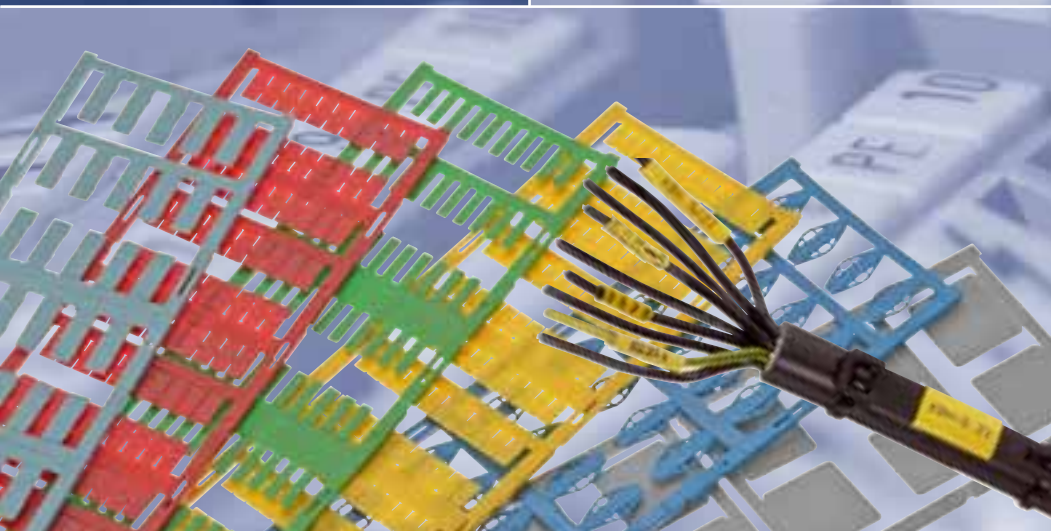
**TERMINAL MARKERS**

**WIRE MARKERS**

**DEVICE MARKERS**

**PRINTERS**

**PRINTER SOFTWARE**



**Our ideas – to your advantage**



## Printers and software

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The **CONTA-CLIP** labelling software is easy to use, intuitive and suitable for all marking requirement tasks. All integrated functions are user controlled and linked to the Online Help. As well as facilitating manual entry of data via the keyboard, the marking software also allows data to be imported directly from the project file, with numerous data formats being supported.

High levels of user-friendly functionality also characterise our hardware. We offer a plotter system and a modular attachable engraving unit as well as a thermo transfer printer for printing on rolls of labels.

The program is rounded off by a wide variety of accessories designed to facilitate easy handling in all application solutions.



## Printers and software

### Printing system

#### Plotter EMS-2 Easy Marking System

A system that fulfils a wide variety of marking requirements.

**CONTA-CLIP's** Easy Marking System for individual marking solutions for terminals, devices, cables and wires.

- Generous loading capacity (as many as 800 markers)
- Short loading times for various materials thanks to fast and straightforward exchange of inlays and automatic inlay recognition
- Software available in six languages (German, English, French, Spanish, Russian and Polish)
- High-quality print guaranteed by a combination of the disposable pen PPE and plotter arm guided on both sides
- Automatic plotter pen preparation function guarantees high-quality, crisp marking from the very first character
- Valves in the Pen Depot and in the cover caps of the pens ensure optimum sealing of the plotter pen
- Just one inlay for all CONTA-CLIP Maxicards
- Automatic calibration eliminates the need for manual adjustments
- Optional individual inlays produced and software modifications made to accommodate printing elements with maximum dimensions of 10.5 x 440 x 305 (H x W x D).



### Plotter system accessories

#### Plotter Pens

##### Reusable Pen

The *plotter pen PP* is available with six line widths made distinguishable by colour coding. The practical TP ink cartridge is used to refill the pen.

##### Disposable pen

The *disposable pen PPE* is an economic and long-life alternative to the PP pen. This pen is available with six line widths. This eliminates the need to load ink cartridges. We strongly recommend that users who do not use the plotter pen regularly should use the pen PPE. This is effectively sealed to protect it against drying out.

##### Hand Pen

Designed for service applications in the field, the *Hand Pen HP* is fitted with the ink cartridge TP.

##### Paper Pen

The *Plotter Pen Paper* is particularly suitable for marking paper surfaces; available for three different line widths. It is designed for use with the ink TPP, which is particularly suitable for paper.

##### Permanent Pen

The *Permanent Pen PMP* is an economic pen that is primarily used for test purposes. This waterproof and smudge-proof pen is ready for immediate use.



## Printers and software

### Plotter system accessories

#### Ink and cleaning accessories

##### Marking ink

When used on suitable plastic materials the etching ink used in the PP, PPE and HP pens is quick-drying, smudge-proof, non-fading as well as resistant to spirits and benzine.

##### Cleaner

The *Cleaning Container CC-1* was specially developed for our Plotter Pen PP. In conjunction with the *Pen Cleaner PC-1* it guarantees optimum cleaning of the pens and takes the grind out of cleaning. The pen cleaner makes it possible to clean two PP plotter pens. Two new clip-seal caps are contained in the range of supply. The cleaning unit is capable of performing up to ten cleaning processes.

##### Pressure ball

The *pressure ball* is intended exclusively for use with the pen following a refill or a longer period of non usage. The pen is reactivated by means of negative pressure.

##### Dust protection hood

The *dust protection hood* effectively protects the plotter against soiling of all kinds. We recommend its use if the plotter is operated at a location subjected to dirt and dust.



Technical data EMS-2 Plotter	
Printer type	Flat bed plotter
Drive	Two phase
Field of application	Printing of markers of various materials and sizes
Max. marker height	10.5 mm, special solutions up to 15 mm
Max. plotting area	440 x 305 mm
Command language	Based on HP-GL
Max. plotting speed	40 cm / sec.
Max. printing speed	80 mm / sec.
Dimensions	660 x 125 x 440 mm (W x H x D)
Weight	Approx 8 kg
Supply voltage	100 - 240 V AC 50 - 60 Hz
Interfaces	Centronic   USB Level 1.1

Plotter and accessories			
Cat. no.	Type	Short description	Qty.p.pck.
1610.0	EMS-2 Easy-Marking-System	Plotter, power pack, connecting cable (parallel interface cable for connecting the plotter to a PC), software: CONTA-Sign CS German, English, French, Spanish, Russian and Polish (runs under Windows 95/98/2000/NT/XP)	1
1612.0	EMS-2 Starter Kit	Plotter, power pack, connecting cable (parallel interface cable for connecting the plotter to a PC), software: CONTA-Sign CS German, English, French, Spanish, Russian and Polish (runs under Windows 95/98/2000/NT/XP), 1x CCI-10 (1606.0.0), 1x PPE 0.25 (1650.0)	1
Inlays for markers, inlays for CONTA-CLIP markers			
1594.0	CCI-1	Plotter inlay for SB 5/10, SB 6/10, BSTR 10/5, BSTR 12/6	1
1592.0	CCI-2	Plotter inlay for SB 8/10	1
1593.0	CCI-3	Plotter inlay for SB 7.5/10, AD 1/5N	1
1600.0	CCI-4	Plotter inlay for ADQ	1
1601.0	CCI-5	Plotter inlay for KBH-S4	1
1602.0	CCI-6	Plotter inlay for AD 1/5, AD 1/6, AD 1/8, AD 1/16N	1
1603.0	CCI-7	Plotter inlay for AD 1/12N	1
1604.0	CCI-8	Plotter inlay for paper and polyester sheets (for example, ESO GT1, ESO GT2, ESO, BST 8, GKE 17/9) as well as material for engraving GMP and GMA	1
1606.0	CCI-10	Inlay for all Maxicards (in part: MC SB, MC BSTR, MC ESS, MC GS, MC KMS, MC GST)	1
1607.0	CCI-11	Inlay for SchT 9,10 and ZSchT 6	1
88520.8	CCI-15	Inlay for KBH-S 21, 36, 57, 84 strip	1
88520.7	CCI-17	Inlay for KBH 3/15, 3/21, 3/27 strip	1
88520.1	CCI-18	Inlay for KBH 5/15, 5/21, 5/27 strip	1
88520.2	CCI-19	Inlay for KBH 10/15, 10/21,10/27, 10/36 single	1

## Printers and software

Plotter and accessories		
Cat. no.	Type	Qty.p.pck.
<b>Inlays for markers from other manufacturers</b>		
88520.3	Partex Inlay for PC 10/PC 20	1
88520.4	Partex Inlay for PC 30/PC 40	1
88520.6	Partex Inlay for PC 50	1
88521.0	Phoenix Inlay for ZBM	1
88521.1	Phoenix Inlay for ZB	1
88521.2	Phoenix Inlay for ZBN	1
88521.3	Phoenix Inlay for ZBFM	1
88521.4	Phoenix Inlay for ZBF	1
88521.5	Phoenix Inlay for BNZ	1
88521.6	Phoenix Inlay for BN-ZB	1
88521.7	Phoenix Inlay for SS-ZB	1
88521.8	Phoenix Inlay for LBHZ	1
88521.9	Phoenix Inlay for PABA	1
88522.0	Phoenix Inlay for GPE	1
88522.1	Phoenix Inlay for BMK, ESL sheets of labels	1
88522.2	Wago Inlay for WMB	1
88522.3	Wago Inlay for WSB 4	1
88522.4	Wago Inlay for WSB 5	1
88522.5	Wago Inlay for WSB mini	1
88522.6	Wago Inlay for Top Job S	1
88522.7	Weidmüller Inlay for MC Universal	1
88522.8	Weidmüller Inlay for MC SF4-6	1
88522.9	Siemens Inlay for S7-300/16/32	1

Plotter pens			
Cat. no.	Type	Short description	Qty.p.pck.
<b>Disposable pens</b>			
1649.0	PPE 0.18 mm red	Plotter pen, disposable (colour code red = line width 0.18 mm)	1
1650.0	PPE 0.25 mm white	Plotter pen, disposable (colour code white = line width 0.25 mm)	1
1651.0	PPE 0.35 mm yellow	Plotter pen, disposable (colour code yellow = line width 0.35 mm)	1
1652.0	PPE 0.50 mm brown	Plotter pen, disposable (colour code brown = line width 0.50 mm)	1
1653.0	PPE 0.70 mm blue	Plotter pen, disposable (colour code blue = line width 0.70 mm)	1
1654.0	PPE 1.00 mm orange	Plotter pen, disposable (colour code orange = line width 1.00 mm)	1
<b>Reusable pens</b>			
1586.0	PP 0.18 mm red	Plotter pen (colour code red = line width 0.18 mm)	1
1587.0	PP 0.25 mm white	Plotter pen (colour code white = line width 0.25 mm)	1
1588.0	PP 0.35 mm yellow	Plotter pen (colour code yellow = line width 0.35 mm)	1
1589.0	PP 0.50 mm brown	Plotter pen (colour code brown = line width 0.50 mm)	1
1590.0	PP 0.70 mm blue	Plotter pen (colour code blue = line width 0.70 mm)	1
1591.0	PP 1.00 mm orange	Plotter pen (colour code orange = line width 1.00 mm)	1
<b>Pens for paper</b>			
1615.0	PPP 0.18 mm red	Plotter pen (colour code red = line width 0.18 mm) For plotting paper on inlay CCI-8 1604.0	1
1616.0	PPP 0.25 mm white	Plotter pen (colour code white = line width 0.25 mm) For plotting paper on inlay CCI-8 1604.0	1
1617.0	PPP 0.35 mm yellow	Plotter pen (colour code yellow = line width 0.35 mm) For plotting paper on inlay CCI-8 1604.0	1
1618.0	PPP 0.50 mm brown	Plotter pen (colour code brown = line width 0.50 mm) For plotting paper on inlay CCI-8 1604.0	1
1619.0	PPP 0.70 mm blue	Plotter pen (colour code blue = line width 0.70 mm) For plotting paper on inlay CCI-8 1604.0	1
1620.0	PPP 1.00 mm orange	Plotter pen (colour code orange = line width 1.00 mm) For plotting paper on inlay CCI-8 1604.0	1
<b>Hand-Pen</b>			
1316.0	HP 0.25 mm	Hand-Pen line width 0.25 mm (for supplementary or special labelling tasks with etching ink)	1
1317.0	HP 0.35 mm	Hand-Pen line width 0.35 mm (for supplementary or special labelling tasks with etching ink)	1
1318.0	HP 0.50 mm	Hand-Pen line width 0.50 mm (for supplementary or special labelling tasks with etching ink)	1
1319.0	HP 0.70 mm	Hand-Pen line width 0.70 mm (for supplementary or special labelling tasks with etching ink)	1

## Printers and software

<b>Plotter pens</b>			
<b>Cat. no.</b>	<b>Type</b>	<b>Short description</b>	<b>Qty.p.pck.</b>
<b>Permanent Pen</b>			
<b>1314.0</b>	PMP 0.30 mm	Permanent Pen (black, waterproof and smudge-proof)	1
<b>1315.0</b>	PMP 0.70 mm	Permanent Pen (black, waterproof and smudge-proof)	1
<b>Accessories</b>			
<b>1630.0</b>	Pressure ball for plotter pen	The pen is re-activated by means of negative pressure following a refill or a longer period of non usage	1 1
<b>1595.0</b>	TP (5 x 1 ml)	Replaceable ink cartridge (when used on suitable plastic materials the etching ink used in the PP, TPE and HP pens is quick-drying, smudge-proof, non-fading as well as resistant to spirits and benzine). Utilising cartridges eliminates the need to re-fill the ink	1
<b>1614.0</b>	TPP (5 x 1 ml)	Ink Cartridge Paper for PPP (Plotter Pen Paper) for printing on paper	
<b>1597.0</b>	CC-1	Cleaning container (reusable cleaning container for PP)Pen-Cleaner	1
<b>1598.0</b>	PC-1	Pen cleaner (for cleaning two PP plotter pens). Two new clip-seal caps are included respectively	1
<b>1648.0</b>	Dust protection hood EMS-2	Dust protection hood for EMS-2	1
<b>1647.0</b>	Service Set EMS-2	Includes 10 x exchangeable tags with 4 exchangeable sealing inserts for PEN station incl. key	1

## Printers and software

### EMS-2 Engraving Unit

The EMS-2 plotter makes it happen. Engraving and plotting combined in a single device.

The plotter EMS-2 is converted within minutes to an engraving machine. The pen unit on the plotter arm is replaced by the spindle unit; the vacuum cleaner and controller are connected to the plotter and spindle.

The software **CONTA-SIGN** controls both plotter and engraving options – there is no need to adapt to new software.



### Engraving Unit accessories

#### Graver

Made from solid carbide, the gravers are characterised by their long service life. Six different engraving widths are offered. The gravers can be supplied singly or in sets.

#### Cutting fluid and alu-oxide

In order to optimise the engraving result, an appropriate amount of cutting fluid should be used when engraving aluminium.

Cutting fluid also serves to cool the graver, which in turn increases its service life.

When engraving aluminium cards, we recommend that you use the cutting fluid Survol (Cat. no.: 1685.0). The oil is applied to the cards with a brush. You can darken the anodised markers retrospectively by using the acid 'alu-oxide' (Cat. no.: 1686.0).

#### Adhesive inlay

The inlay CCI-8 is used to fix the engraving cards onto base of the plotter.



## Printers and software

Technical data EMS-2 Engraving Unit consisting of	
<b>Graver spindle</b>	
Frequency	min. 5000 RPM, max. 50.000 RPM
Frequency	6 Ncm
Power input	120 W
Collet	Shaft diameter 3 mm
Cooling	Self-ventilated by integrated fan
Field of application	Exclusively for engraving
<b>Engraving controller</b>	
Voltage input	110-240 V x 50-60 Hz
Dimensions	180 mm x 250 mm
Weight	Approx. 2.9 kg
<b>Engraving vacuum cleaner</b>	
Weight	350 mm x 250 mm Approx. 4.6 kg

EMS Engraving Unit		
Cat. no.	Type	Qty.p.pck.
1621.0	EMS-Engraving Unit Engraving module for EMS-2 plotter incl. spindle, controller, vacuum cleaner and graver 0.4 mm	1

Accessories EMS-2 Engraving Unit		
Cat. no.	Type	Qty.p.pck.
1623.0	Graver 0.2	1
1624.0	Graver 0.3	1
1625.0	Graver 0.4	1
1626.0	Graver 0.5	1
1627.0	Graver 0.7	1
1628.0	Graver 1.0	1
1629.0	Graver Set (0.2; 0.3; 0.4; 0.5; 0.7; 1.0 mm) incl. package	1
1685.0	Survul cutting oil 500 ml cutting oil for aluminium	1
1686.0	Alu-oxide 100 mm acid for darkening of anodised aluminium markers	1
1604.0	CCI-8 inlay for engraving materials	1

## Thermo transfer printer TTP

The *thermo transfer printer TTP* was designed specially for marking solutions in systems and switchgear cabinet applications. Impressive print quality is guaranteed by the high print resolution. Together these features make it suitable for printing high-quality **CONTA-CLIP** device and cable labels.

- Printing speed and robustness mean the TTP printer is ideal for industrial applications
- High print resolution guarantees an impressive print quality
- Faultless centring of the print on each and every label thanks to automatic positioning in the plotter
- Automatic label feed ensures no waste of labels



## Printers and software

### Thermo transfer printer accessories

#### Thermo transfer film

The *TTP film* is particularly suitable for printing high-resolution barcodes, texts and graphics. The resin quality is utilised in applications requiring high-resolution printing results and fast printing speeds. The film has very good smudge- and scratch-resistance properties.

#### Cleaning Set

To ensure continued faultless, trouble-free operation of the TTP printer, we recommend the *TTP Cleaning Set*:

- Print head and drum cleaner 250 ml
- Compressed gas to blow clean the photoelectric sensor 200 ml
- 22 wipes
- 5 cleaning spatulas
- 2 cleaning cards
- 1 Cleaning film for printing head and
- Label solvent spray 200 ml

All items can be supplied separately on request.

Technical data TTP Thermo Transfer Printer	
Printer type	Thermo transfer
Intended use	Printing of labels
Max.   Min. label width	110   15 mm
Print width	104 mm
Resolution	200 dpi
Max. printing speed	80 mm/sec.
Dimensions	230 x 230 x 350 mm (W x H x D)
Weight	Approx. 9 kg
Supply voltage	230 V ~ 50 Hz option 115 V ~ 60 Hz
Interfaces	Centronic   RS 232 C
Standard accessories	Tear-off edge, Windows printer drivers, operating instructions, power cord
Optional accessories	Cut-off assembly, label dispenser, reeling device, USB Level 1.1
Barcodes	EAN 8, EAN 13, EAN 128, Code 39, Code 39 extended, Code 128, Code 2/5 interleaved

Cat. no.	Type	Short description	Qty.p.pck.
<b>1640.0</b>	TTP-Printer	Printer, power cord, connecting cable (parallel interface cable), printer drivers (Windows 95/98/2000/ME/NT/XP), label fixing device (diameter: 75 mm)	1
<b>1644.0</b>	TTP-Starter Kit German	TTP LabelSoft German (1642.0), TTP printer (1640.0) incl. power cord, connecting cable (parallel interface cable), printer driver (Windows 95/98/2000/ME/NT/XP), label fixing device (diameter 75 mm) and TTP film (1641.0)	1
<b>1645.0</b>	TTP-Starter Kit English	TTP LabelSoft English (1646.0), TTP printer (1640.0) incl. power cord, connection cable (parallel interface cable), printer drivers (Windows 95/98/2000/ME/NT/XP), label fixing device (diameter: 75 mm) and TTP film (1641.0)	1
<b>1641.0</b>	TTP- Film	Roll of thermo-transfer film, 110 mm x 300 m (outside inking) industrial standard	1
<b>1639.0</b>	Cleaning kit for TTP	Print head and drum cleaner, compressed gas, wipes, cleaning spatula, cleaning cards, cleaning film for printing head, label solvent spray	1

## Printers and software

### Printer software

#### CONTA-Sign (CS)

Used for printing devices EMS-2 plotter and engraving option (available only in conjunction with the EMS-2)

The Windows-based software **CONTA-Sign** was specially developed to produce professional marking solutions for systems and switchgear cabinet applications.

- Import option for importing labelling specifications from project engineering software
- Uncomplicated retrospective processing of imported data in the software
- Numerous user-friendly functions simplify manual input
- Intuitive operation supports single, multiple and serial markings
- Create individual markers using the marker design function
- Grid correction function guarantees faultless centring of labelling information even with deviation in the material tolerances
- Includes special characters used in electrical engineering
- Open programming means that the markers of different manufacturers are installed in the software as standard
- Software available in six languages (German, English, French, Spanish, Russian and Polish)

#### Label-Soft-TTP

For TTP Thermo Transfer Printer

The Windows based software Label-Soft was specially developed to provide professional label printing solutions.

- Easy and intuitive to operate
- Stress-free table import .dbl, .xls, .dbf and .db files
- The software can process data imported at an earlier date retrospectively
- Stress-free creation of texts, graphics and barcodes

Printer software			
Cat. no.	Type	Short description	Qty.p.pck.
1642.0	TTP-LabelSoft German	German language software for printing <b>CONTA-CLIP</b> adhesive device and cable labels as well as labels with different individual dimensions	1
1646.0	TTP-LabelSoft English	English language software for printing <b>CONTA-CLIP</b> adhesive device and cable labels as well as labels with different individual dimensions	1

#### TTP CONTA Label ADIM automatic data import module

for TTP Thermo Transfer Printer

Programs are often unable to support label printers directly. However, it is not normally a problem for these programs to create ASCII (CSV or SDF files) or dBase files. It is at this weak point that the automatic module makes life easier. It automatically prints all ASCII or dBase files that can be generated by all project engineering software programs. The module runs without on-screen software interface. It is launched via the autostart function and runs

in the background waiting for the other program to generate the data (file). As soon as the data becomes fully available, it is processed for the printer and then printed.

The professional software **TTP CONTA-Label Pro** (Cat. no.: 1656.0) is used to create or modify label layouts; however, **CONTA CLIP** would be pleased to provide you with this service.

Printer software			
Cat. no.	Type	Short description	Qty.p.pck.
1657.0	TTP <b>CONTA Label ADIM</b> automatic data import module	A module for automating printing of CAD and e-plan files from project engineering software – runs without on-screen software interface	1