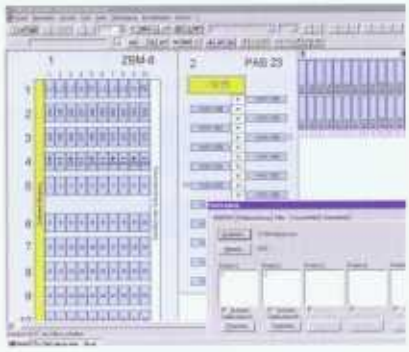
CMS-MARK-WIN | Labeling software

Continuous flow of data

CMS-MARK-WIN makes it possible to import labeling data stored in CAD/CAE programs to the labeling software and from there to the output devices. Special markings can also be ordered directly from Phoenix Contact with the order module.



Manual data entry

A multitude of convenient functions are available for entering data by hand, e.g. enumeration, copy and duplication functions, input via variables, and WYSIWYG real graphic form.

Output equipment

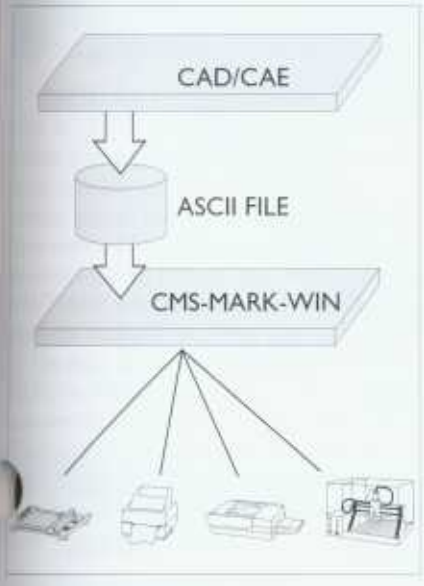
CMS-MARK-WIN makes it possible to process and output printing data via plotters, laser, matrix and thermal transfer printers and the WIREMARK conductor marking tool. It is also possible to switch to other Windows applications.

CMS-MARK-WIN labeling software

Professional labeling of systems and control cabinets is becoming increasingly important. CMS-MARK-WIN was developed specially for this task.

Use is made of the powerful Windows® operating systems.

The marking materials for terminal blocks, conductors, cables and electrical equipment are labeled with the labeling module. It is thus possible within just a short time, to import and then further process the ASCII format labeling as laid down in the CAD/CAE system during project planning.



CMS-MARK-WIN allows markers to be printed, plotted, cut, milled and drilled. The choice of devices for the output of the projects is varied:

- Thermal transfer printer
- WIREMARK conductor marking tool
- Laser printer
- Matrix printer
- Plotter (e.g. CMS-P1-PLOTTER)
- CMS GRAV 32 engraving machine
- CUTFOX 10.

CMS-MARK-WIN

Labeling software

Description	Type	Order No.	Pcs. Pkt.
CMS-MARK-WIN software, languages: German / English / French / Italian, for marking terminal blocks, conductors, cables and electrical equipment on the output devices plotter, printer and engraving machine, Manual, incl. manual and demonstration version of CLIP PROJECT 5.0.	CMS-MARK-WIN	51 44 39 8	1
CMS-MARK-WIN demonstration software, version 2.3, languages: German / English / French / Italian, incl. demonstration version of CLIP PROJECT 5.0	CMS-MARK-WIN-DEMO	51 44 40 8	1
CMS-MARK-WIN manual, for the CMS-MARK-WIN labeling software, in German and English	CMS-MARK-WIN-UM	51 44 36 9	1
CMS fonts, for CMS-MARK-WIN software, incl. description	CMS-FONTS/WIN	50 67 70 5	1

Technical data	
Functions	
Input of labeling data	Yes
Data import from CAD/CAE systems	Yes
Material generator / special character generator	Yes / Yes
Saving data	Yes
Output of data	Yes (full version) / No (demonstration version)
Minimum hardware requirements	
CPU	Depending on the operating system
Main memory	Min. 16 MB / NT 4.0: min. 32 MB
Hard disk memory	Min. 20 MB free
Interfaces	One per connected output device
CD-ROM drive / floppy drive	Yes / Yes, IBM-compatible 1.44 MB
Monitor	Min. VGA with 640 x 480 resolution
Operating equipment	Keyboard, mouse recommended

There are a host of convenient functions for entering data by hand, such as:

- Listing function
- Copy and duplication functions
- Input via variables.

The different marking materials to be labeled can be changed or added to as desired. Special symbols for electrical engineering are included as a standard feature.

CMS-MARK-WIN also includes a comprehensive graphics module. Using this CAD interface, all kinds of two-dimensional graphics can be created. For example, to create nameplates or frontplates.

The individual objects and steps are generated as graphics with the aid of graphic functions. Further special functions are also available:

- Barcode
- Linear and circular scaling
- Marking panels on machines
- Circular inscription function
- Path correction with closed elements
- Symmetrical drilling patterns
- Import of graphics.

The drawings and graphics entered are displayed on the screen in WYSIWYG real graphic form. This makes a test print unnecessary.

WIREMARK conductor marking machine

The marking machine WIREMARK marks solid and stranded conductors of 0.5 mm² to 6 mm² in only 3 seconds. Up to 80% of time is saved compared with conventional conductor marking systems.

No retrofitting or adjustments when the cross sections are changed. When a conductor is inserted, it is automatically measured and a suitable marker is created. The labeling is created with the integrated thermal transfer printer. The data is manually created in the supplied CMS labeling software or simply imported from the CAD/CAE project data.

The finished labeling data is saved on the memory card. In this way, WIREMARK can be operated independently of the PC. Together with the automatic cutting tool CUTFOX 10 (see page 497) and the automatic crimping tools (see page 494), an individual modular and mobile wiring center can be put together.

WIREMARK

Description	Type	Order No.
WIREMARK conductor marking tool, foil magazine 15 mm, ink ribbon, memory card, connection cable (parallel and serial), operating instructions	WIREMARK	50 68 00 5
Starter set, complete for WIREMARK, consisting of: – WIREMARK with foil magazine WIREMARK-FM 15 – CMS-MARK-WIN marking software – Labeling foil WIREMARK-F 15 – Transport case with extending handle and rollers	WIREMARK DEMO-KIT	51 44 43 7
Manual for WIREMARK, user manual in the languages D, GB, I, E, NL, F	WIREMARK-UM	51 44 36 9

Technical data of WIREMARK		
Print method		Thermal transfer
Print resolution	[dpi]	300
Processable conductor cross section	[mm²]	0.5 - 6
Processable conductor diameter	[mm]	1.8 - 5.6
Interfaces		Serial and parallel
Power supply	[V] / [Hz]	110 - 240 / 50 - 60
Dimensions (without foil magazine)	L x W x H [mm]	250 x 370 x 455
Weight (without foil magazine)	[kg]	21.5

Markers can be turned and moved along t conductor for easy positioning.

WIREMARK accessories
conductor marking machine

WIREMARK creates markers with a width of 15 mm and 23 mm. They are created from a special foil that is fed into the device on reels of 100 m each, which corresponds to approx. 6000 markers. Since markers for different cross sections are created from this off-the-reel material, WIREMARK considerably reduces the variety of material and thus storage costs.

The data can be directly imported from the PC to WIREMARK or stored on a memory card that is included in the scope of delivery of the device. A storage unit is optionally provided to conveniently store the data on the memory card in the planning office without WIREMARK.

WIREMARK-FB/H24

WIREMARK-MC ...

WIREMARK-F...

WIREMARK-FM ...

Description		Type	Order No.	Pcs. Pkt.
Foil magazine for WIREMARK, for accommodating the marking foil, 15 mm wide		WIREMARK-FM 15	51 44 13 6	1
Foil magazine for WIREMARK, as above, however, 23 mm wide		WIREMARK-FM 23	51 44 14 9	1
Marking foil for WIREMARK, roll length 100 m, 1 roll Y 6000 tags, depending on the conductor cross section, 15 mm wide	white *)	WIREMARK-F 15	51 44 04 2	1
Marking foil for WIREMARK, as above, however, 23 mm wide	white *)	WIREMARK-F 23	51 44 05 5	1
Ink ribbon for WIREMARK, 300 m long, 24.5 mm wide, printing color: Black		WIREMARK-FB/H24	51 44 12 3	1
Storage unit for WIREMARK, for writing on the memory card		WIREMARK-MC-D	51 44 06 8	1
Memory card for WIREMARK, ATA flash card, type II, 16 MB		WIREMARK-MC	51 44 07 1	1

Technical data of ink ribbon		
Material quality		Resin
Technical data of marking foil		
Material		Foil specially coated with PEPT
Temperature range	[°C]	-40 to +70 (duration), briefly up to +100
Color		White
Wipe resistance		DIN EN 61 010-1 / VDE 0411 P.1
Technical data of storage unit		
System requirements		WIN 95/98/ME, WIN NT 4.0, WIN 2000
Operating temperature	[°C]	0 to +70
Conformity		CE
Interface		Centronics
Transmission rate	[mbps]	Up to 1
Power supply		5 V via keyboard adapter
Dimensions	L x W x H [mm]	174 x 109 x 35
Weight	[kg]	0.6

*) Also available in yellow on request.

The inexpensive CMS-THERMO S1 is small enough to fit on any workplace. Positioning perforations in the marking material make changing the material simpler and more efficient.

The thermal transfer printer is easy to use and is used for a great variety of applications, such as conductor, cable and electrical equipment labeling.

The high print resolution of 300 dpi (12 dots/mm) means that first-class printing quality is achieved. The use of high-quality resin-based ink ribbons makes marking resistant to mechanical and chemical influences. This means that the labeling can be used in a harsh industrial environment.

In conjunction with CMS-MARK-WIN labeling software, this printer provides an efficient solution for all labeling tasks.

CMS-THERMO S1

Description	Type	Order No.	PU
Thermal transfer printer, incl. power supply unit, connection cable, Windows® printer driver and operating instructions	CMS-THERMO S1	51 44 99 0	1
Ink ribbon, length: 91 m, width: 110 mm (not for PSS shrink sleeves) Printing color: Black	CMS-X-FB/H110	51 44 32 7	1
Cleaning pen, for thermal transfer printers	CMS-TTP-CS	50 67 78 9	1
Starter set, complete for CMS-THERMO S1, consisting of: – Labeling software CMS-MARK-WIN – Thermal transfer printer CMS-THERMO S1 – Ink ribbon CMS-S-FB/H110 – Roll of labels	CMS-KIT S1	51 45 00 9	1
Transport case for CMS-THERMO S1, rounded profile case with aluminum frame for a complete system, consisting of printer, accessories and label rolls	CMS-CASE-THERMO S1	51 45 01 2	1

Technical data		
Print resolution	[dpi]	300
Max. print width	[mm]	100
Print method		Thermal transfer
Interfaces		Serial, parallel, USB
Power supply	[V] / [Hz]	110-230 / 50-60
Dimensions	L x W x H [mm]	250 x 230 x 170
Weight	[kg]	Approx. 2

Thermal transfer printer
CMS-THERMO X1

The new thermal transfer printer CMS-THERMO X1 has been developed as the successor of the CMS-TTP 3-300, which has already been successfully introduced to the market, and rounds off Phoenix Contact's product range in this printer segment.

It has now been possible to reduce the weight of the CMS-THERMO X1 by approx. 25% to a mere 10 kg, while at the same time the main performance data have been considerably improved. The printing speed has thus increased to 150 mm/s and the max. printing length to 1000 mm.

CMS-THERMO X1

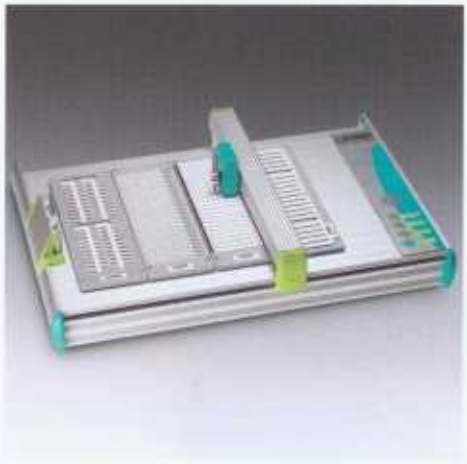
Description	Type	Order No.	Pcs. Pkt.
Thermal transfer printer, incl. power supply unit, Centronics connection cable, Windows® printer driver and operating instructions	CMS-THERMO X1	51 44 29 1	1
Cutting option, for CMS-THERMO X1	CMS-CUTTER X1	51 44 30 1	1
Ink ribbon, length: 300 m, width: 110 mm (not for PSS shrink sleeves) Printing color: Black	CMS-X-FB/H110	51 44 32 7	1
Starter set, complete for CMS-THERMO X1, consisting of: – CMS-MARK-WIN labeling software – Thermo transfer printer CMS-THERMO X1 – Ink ribbon – Roll of labels	CMS-KIT X1	51 44 31 4	1
Transport case for CMS-THERMO X1, rounded profile case with aluminum frame for a complete system, consisting of printer, accessories and label rolls	CMS-CASE-THERMO X1	51 44 48 2	1
Cleaning pen, for CMS-THERMO X1 printer head	CMS-TTP-CS	50 67 78 9	1

Technical data		
Print resolution	[dpi]	300
Max. printing width	[mm]	108
Max. printing length	[mm]	1000
Interfaces		Serial and parallel
Power supply	[V] / [Hz]	100-240 / 50-60
Dimensions L x W x H	[mm]	446 x 242 x 274
Weight	[kg]	10

The CMS-THERMO X1 processes all off-the-reel materials from the large product range.

A cutting knife can be used as an option so that off-the-roll material can be cut precisely to the desired length.

Marking plotter
CMS-P1-PLOTTER



With CMS-P1-PLOTTER, dried out pens are a thing of the past. The plotter pens can remain in the pen station even for prolonged intervals. They are automatically removed and stored. The automatic Prepare Pen function ensures optimum marking results right from the first character.

The plotter is controlled via the CMS-MARK-WIN software (see p. 487). It can be connected to the computer quickly and easily via a Centronics or USB interface. Hardly any buttons are required to operate the CMS-P1-PLOTTER, making marking child's play.

The plotter pens can be stored safely for longer intervals in the double seal station without drying out.

CMS-P1-PLOTTER

Description		Type	Order No.	Pcs. / Pkt.
Marking plotter, incl. manual, connection cable (Centronics and USB), plug-in power supply unit (100 - 240 V AC / 50-60 Hz) and marker pen		CMS-P1-PLOTTER	51 44 61 5	1
Starter set, CMS-P1-PLOTTER, consisting of: - Marking software CMS-MARK-WIN - Plotter CMS-P1-PLOTTER - Magazines for ZB, ZBF, PABA and GPE and labeling material - CMS-INK-WS-C5 ink and cleaning set		CMS-P1-PLOTTER-KIT	51 44 62 8	1
Transport case, for CMS-P1-PLOTTER, rounded profile case with aluminum frame for a complete plotter system		CMS-P1-PLOTTER-CASE	51 44 63 1	1
Cover for CMS-P1-PLOTTER, flexible cover to protect against dirt		CMS-P1-PLOTTER-COVER	51 44 80 6	1
Pen station sealing set, 4 replacement seals for the pen station of the P1 plotter and 10 prepare pen plates		CMS-P1-PENDEPOT	51 44 83 5	1
Technical data				
Max. plotting area	[mm]		440 x 296	
Max. material height	[mm]		10.5 (optional 15)	
Max. plotting speed	[cm/sec]		40	
Interfaces			Parallel (Centronics), USB Level 1.1	
Data buffer	[MB]		16	
Addressable resolution	[mm]		0.01	
Repeat accuracy	[mm]		0.05 (even when pen is changed)	
Dimensions	L x W x H [mm]		660 x 440 x 125	
Weight	[kg]		Approx. 8	
Power supply			Via separate plug-in power supply unit	
Input voltage/current	[V AC (Hz)] / [A]		100 - 240 (50-60) / max. 0.3	
Output voltage/current	[V AC (Hz)] / [A]		24 / max. 1.4	
Temperature / rel. humidity	[°C] / [%]		Operation: +10 to +35 / 35 to 75 Storage: -10 to +50 / 10 to 90	
Certificates and standards				
Safety certificate			Corresponds to: UL-UL1950, CSA-950 / VDE EN 60950	
Immunity to interference			Corresponds to: FCC Class B, FCC Part 15 and VDE Class B EN 55 022	

Interchangeable magazines, ink, cleaner and pens for labeling plotter

The CMS-P1-PLOTTER is the best choice for a versatile marking device for industrial applications. All the conventional marking material can be labeled using this device. It is also possible to process partially used marker sheets or finish partial labels using the sturdy plastic magazines.

As a result of their size, they fully utilize the capacity of the plotter. In this way, up to 35% more material can be processed with the CMS-P1-PLOTTER in each marking process than with the previous model.

Phoenix Contact offers a multitude of different magazines for marking materials. If you do not find a suitable magazine for your materials, please contact us.

The materials are labeled according to requirements with pens of varying thickness. The ink is available in cartridges to facilitate filling the pens.

CMS-P1-M...

CMS-PEN

CMS-R-SET-...

CMS-INK-...-C5

Description		Type	Order No.	Pcs. Pkt.
Plastic magazine for CMS-P1-PLOTTER for accommodating: - 22 Zack marker strips - 26 flat Zack ribbon or ZBN strips - 2 Zack marker sheets - 3 flat Zack marker sheets - 22 contactor marker Zack marker strips - 4 to 6 PABA marker bars - 30 marker pins ZB strips - 1 GPE label sheet - 20 strips LBHZ conductor marking - 1 Wago WMB sheet - 2 Wago WSB Mini sheets - 2 Wago WSB 4 sheets - 2 Wago WSB 5 sheets - 1 Weidmüller Multicard sheet SF 4-6 - 1 Weidmüller Multicard sheet universal - 2 Murrplastik sheets KS 4/12, 4/18, 4/23, 4/30 - 2 Murrplastik sheets KES, KLG, KMR, KPX, KSA, KSF, KSI, KSK, KS 15x17/27/49/67, KSO, KSS, KTE,KWI,SKS,WGO,KAB - 3 Wieland sheets, type 50, 51, 60, 63, 67, 68, 69, 80 - 2 Entrelec sheets RC55-85, RC410-810, RTC610/810/1010		CMS-P1-M/ZB CMS-P1-M/ZBF CMS-P1-M/ZBM CMS-P1-M/ZBFM CMS-P1-M/SS-ZB CMS-P1-M/PAB CMS-P1-M/BN-ZB CMS-P1-M/GPE CMS-P1-M/LBHZ CMS-P1-M/WAGO WMB CMS-P1-M/WAGO MINI WSB CMS-P1-M/WAGO WSB 4 CMS-P1-M/WAGO WSB 5 CMS-P1-M/WEID MCSF 4-6 CMS-P1-M/WEID MCU CMS-P1-M/MURR 400 CMS-P1-M/MURR 401 CMS-P1-M/WIEL CMS-P1-M/ENTRELEC RC	51 44 69 9 51 44 70 9 51 44 66 0 51 44 68 6 51 44 71 2 51 44 74 1 51 44 72 5 51 44 75 4 51 44 73 8 51 44 76 7 51 44 86 4 51 44 87 7 51 44 77 0 51 44 78 3 51 44 79 6 51 44 94 5 51 44 95 8 51 44 92 9 51 44 93 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4		CMS-P1-PAD	51 44 81 9	1
Adapter plate for WMU magazines, for use of the universal interchangeable frame CMS-WMU with the magazine inserts of the CMS-MCP 3 plotter		CMS-P1-WMU-ADAPTER	51 44 82 2	1
Replacement fixation pad for CMS-P1-M/ZBFM, 9 self-adhesive pads, sufficient for 3 magazines		CMS-P1-M/ZBFM-PAD	51 44 84 8	9
Replacement fixation pad for CMS-P1-M/ZBFM, 3 self-adhesive pads, sufficient for 3 magazines		CMS-P1-M/WEID-PAD	51 44 85 1	3
Replacement fixation pad for CMS-P1-M/GPE, 1 fixation pad, sufficient for 1 magazine		CMS-P1-M/GPE-PAD	51 44 88 0	1
Replacement fixation pad for CMS-P1-PAD, 1 fixation pad in DIN A4 format		CMS-P1-PAD/SPARE	51 44 89 3	1
Disposable pens, non-refillable plotter pen, incl. pen station, fully filled with 1 ml CMS-INK-WS ink	0.25 mm 0.35 mm	CMS-DISPOSABLE-PEN 0,25 WS CMS-DISPOSABLE-PEN 0,35 WS	51 45 06 7 51 45 07 0	1 1
Disposable pens, as above, but filled with 1 ml CMS-INK-WO ink	0.25 mm 0.35 mm	CMS-DISPOSABLE-PEN 0,25 WO CMS-DISPOSABLE-PEN 0,35 WO	51 45 09 6 51 45 08 3	1 1
Pens, incl. adapter, ink tank and pen station, for different line thicknesses, without ink	0.25 mm 0.35 mm 0.5 mm	CMS-PEN 0,25 CMS-PEN 0,35 CMS-PEN 0,50	50 67 81 5 50 67 82 8 50 67 83 1	1 1 1
Cleaning set for marker pens, consisting of: 1 cleaning cup, 2 cartridges of 10 ml cleaning liquid each and 2 spare sealing caps for the pen station		CMS-R-SET WO	08 09 76 4	1
Cleaning cartridges with spare sealing caps, 2 cartridges with 10 ml each of cleaning liquid and 2 caps				
	for CMS-PEN... for CMS-PEN-D/AD with adapter CMS-D/AD LBHZ	CMS-R-FLUID-WO-C2 CMS-R-LBHZ-WO-C2	51 44 09 7 51 44 10 7	2 2
Special ink for CMS-PEN ..., 5 ink cartridges of 1 ml each, color: Black	Requirement: Normal High	CMS-INK-WS-C5 CMS-INK-WO-C5	08 11 52 9 51 44 08 4	5 5

Portable automatic stripping and crimping tool for taped products

The automatic stripping and crimping device, CF 3000-2,5 processes taped ferrules with insulating sleeves in acc. with DIN 46 228-4 in an extremely efficient way. Using this device, up to 1200 conductors per hour can be stripped and ferrules added in one operation. The CF 3000-2,5 is suitable for both preassembling and attaching conductors directly at the control cabinet. The device can be adapted to various cross sections within a minute.

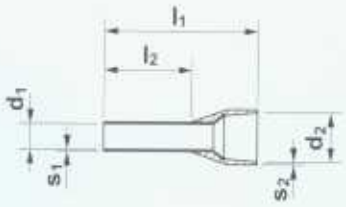
CF 3000-2,5

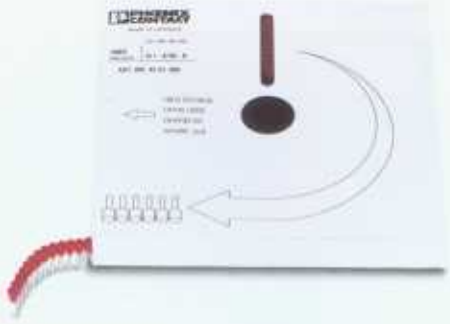
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Automatic stripping and crimping device, for insulated taped ferrules 0.5-2.5 mm² in acc. with DIN 46 228-4: 1990-09		CF 3000-2,5	12 05 47 7	1			
Automatic stripping and crimping device, 120 V design, for insulated taped ferrules 0.5-2.5 mm² in acc. with DIN 46 228-4: 1990-09		CF 3000-2,5 120V	12 05 51 6	1			
Spare locator							
	0.5 mm²	CF 3000 LOC 0,5	12 05 63 9	1			
	0.75 mm²	CF 3000 LOC 0,75	12 05 64 2	1			
	1.0 mm²	CF 3000 LOC 1,0	12 05 65 5	1			
	1.5 mm²	CF 3000 LOC 1,5	12 05 66 8	1			
	2.5 mm²	CF 3000 LOC 2,5	12 05 67 1	1			
Taped ferrules, with plastic insulating sleeve, 0.5 mm²	White				AI 0,5-8 WH-B [1]	32 01 36 9	1000
	Orange				AI 0,5-8 OG-B	32 01 56 3	1000
Taped ferrules, as above, however 0.75 mm²	Gray				AI 0,75-8 GY-B [1]	32 01 37 2	1000
	Blue				AI 0,75-8 BU-B	32 01 54 7	1000
	White				AI 0,75-8 WH-B	32 01 57 6	1000
Taped ferrules, as above, however 1.0 mm²	Red				AI 1-8 RD-B [1]	32 01 38 5	1000
	Yellow				AI 1-8 YE-B	32 01 58 9	1000
Taped ferrules, as above, however 1.5 mm²	Black				AI 1,5-8 BK-B [1]	32 01 39 8	1000
	Red				AI 1,5-8 RD-B	32 01 59 2	1000
Taped ferrules, as above, however 2.5 mm²	Blue				AI 2,5-8 BU-B [1]	32 01 40 8	500
	Gray				AI 2,5-8 GY-B	32 01 55 0	500

Dimensions		
Width / length / height	[mm]	165 / 320 / 300
Weight	[kg]	13
Cycle	[s]	1.2
Area of application		
Conductor	[mm²]	0.5-2.5
Conductor	[AWG]	20-14
Mains connection	[V AC] / [Hz]	230 / 50
Power consumption	[VA]	80
Compression		Trapezoidal in acc. with DIN VDE 0660-100: 1992-07

[1] Color range in acc. with DIN 46 228-4: 1990-09

Taped ferrules with plastic insulating sleeves for automatic crimping devices





AI...-B

Description	Cross section [mm²]	AWG	Dimensions [mm] l_1	l_2	d_1	s_1	d_2	s_2	Type	Order No.	Pcs. / Pkt.
Taped ferrules, with plastic sleeve, color range in acc. with **DIN 46 228-4: 1990-09**	0.5	20	14.00	8.00	1.10	0.15	2.50	0.25	**AI 0,5-8 WH-B**	**32 01 36 9**	1000
	0.75	18	14.00	8.00	1.30	0.15	2.80	0.25	**AI 0,75-8 GY-B**	**32 01 37 2**	1000
	1	18	14.00	8.00	1.50	0.15	3.00	0.30	**AI 1-8 RD-B**	**32 01 38 5**	1000
	1.5	16	14.00	8.00	1.80	0.15	3.40	0.30	**AI 1,5-8 BK-B**	**32 01 39 8**	1000
	2.5	14	14.00	8.00	2.30	0.15	4.20	0.30	**AI 2,5-8 BU-B**	**32 01 40 8**	500
Taped ferrules, with plastic insulating sleeve, color range in acc. with NF C 63 023:1994-02	0.75	18	14.00	8.00	1.30	0.15	2.80	0.25	**AI 0,75-8 BU-B**	**32 01 54 7**	1000
	2.5	14	14.00	8.00	2.30	0.15	4.20	0.30	**AI 2,5-8 GY-B**	**32 01 55 0**	500
Taped ferrules, with plastic sleeve, color range in acc. with Weidmüller standard	0.5	20	14.00	8.00	1.10	0.15	2.50	0.25	**AI 0,5-8 OG-B**	**32 01 56 3**	1000
	0.75	18	14.00	8.00	1.30	0.15	2.80	0.25	**AI 0,75-8 WH-B**	**32 01 57 6**	1000
	1	18	14.00	8.00	1.50	0.15	3.00	0.30	**AI 1-8 YE-B**	**32 01 58 9**	1000
	1.5	16	14.00	8.00	1.80	0.15	3.40	0.30	**AI 1,5-8 RD-B**	**32 01 59 2**	1000

Material		E-CU
Coating		Tin-plated
Plastic sleeve material		Polypropylene
Long-term temperature	[°C]	105
Short-term temperature	[°C]	120

Color designations

Color	Alphabet code
White	WH
Red	RD
Blue	BU
Yellow	YE
Gray	GY
Orange	OG
Black	BK

Automatic stripping and crimping device, CF 1000

The automatic stripping and crimping device CF 1000 processes taped ferrules with insulation sleeves in acc. with DIN 46 228-4. Using this device, approx 1200 conductors per hour can be stripped and ferrules added in one operation.

Only a few motions are necessary to retrofit the CF 1000-1,5 to different cross sections. When the corresponding tip is changed, all parameters are set to the desired cross section without any adjustment work.

CF 1000

Description	Type	Order No.	Pcs. Pkt.	Type	Order No.	Pcs. Pkt.
Automatic stripping and crimping device, for insulated ferrules in acc. with DIN 46 228-4; 1990-09, for cross sections from 0.5 mm² to 1.5 mm²	CF 1000-1,5 230V	12 08 19 9	1			
Automatic stripping and crimping device, for insulated ferrules in acc. with DIN 46 228-4; 1990-09, for cross sections from 0.5 mm² to 1.5 mm²,120 V version				CF 1000-1,5 120V	12 08 20 9	1
Tool kit for CF 1000, for insulated ferrules in acc. with DIN 46 228-4; 1990-09, for cross sections:						
0.25 -0.34 mm² (AWG 24-22), stripping length: 6 mm	CF-1000-TOOLKIT 0,34/6	12 08 21 2	1	CF-1000-TOOLKIT 0,34/6	12 08 21 2	1
0.25-0.34 mm² (AWG 24-22), stripping length: 8 mm	CF-1000-TOOLKIT 0,34/8	12 08 22 5	1	CF-1000-TOOLKIT 0,34/8	12 08 22 5	1
0.5 -2.5 mm² (AWG 20-14), stripping length: 8 mm	CF-1000-TOOLKIT 2,5/8	12 08 24 1	1	CF-1000-TOOLKIT 2,5/8	12 08 24 1	1
4 mm² (AWG 12-22), stripping length: 6 mm	CF-1000-TOOLKIT 4,0/10	12 08 27 0	1	CF-1000-TOOLKIT 4,0/10	12 08 27 0	1
Spare knife, V-shaped, for CF 1000	CF-EM	12 05 21 5	1	CF-EM	12 05 21 5	1

Dimensions			
Width / length / height	[mm]	240 / 490 / 380	240 / 490 / 380
Weight	[kg]	28	28
Cycle	[s]	2.5	2,5
Compression		Trapezoidal	Trapeziidal
Area of application		See description	See description
Mains connection	[VAC] / [Hz]	230 / 50	120 / 60
Compressed air connection			
1/4" plug nipple internal thread (European standard)	[bar]	4 - 6	4 - 6
Air consumption with 5 bar	[l/cycle]	1.5	1.5

Automatic cutting device for cables and sleeves up to Ø 8 mm

The cutting device, CUTFOX 10 cuts cables, litz wires, shrink sleeves and similar profiles up to 8 mm in diameter, and is particularly suitable for series production. Operation is extremely easy, the desired length and number of conductors is either entered directly in the CUTFOX 10 using the membrane keyboard or can be processed and documented on the PC using the software supplied. The cutting device can then be controlled directly from the PC via the interface.

CUTFOX 10

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cutting device, for cables, litz wires and shrink sleeves	CUTFOX 10	12 06 82 9	1			
Cutting device, as above, however, for 120 V mains voltage				CUTFOX 10/120V	12 06 83 2	1
Dimensions						
Width / length / height	[mm]	190 / 290 / 220		190 / 290 / 220		
Weight	[kg]	10		10		
Cutting efficiency						
Fine strand	[mm²]	0.25-10		0.25-10		
Solid strand	[mm²]	0.25-2.5		0.25-2.5		
Max. throughput	[mm]	8		8		
Cross section setting		Automatic		Automatic		
Number of cuts	[Pcs.]	1-99.999		1-99.999		
Length	[mm]	2-99.999		2-99.999		
Feed rate	[m/s]	0.5		0.5		
Unit of measurement		mm / inch		mm / inch		
Dialog language		German / English / French / Italian		German / English / French / Italian		
Interface		RS-232		RS-232		
Mains connection	[V AC / Hz]	230 / 50		120 / 60		
Power consumption	[VA]	80		80		

To lead in the conductor, just swing open the front paneling. The drive and measurement rollers are moved apart automatically and the material can thus be changed in the shortest possible time. Adjustment work is not necessary. The high dimensional accuracy from the first to the last cut is the result of the automatic "zero cut" when the start button is pressed.