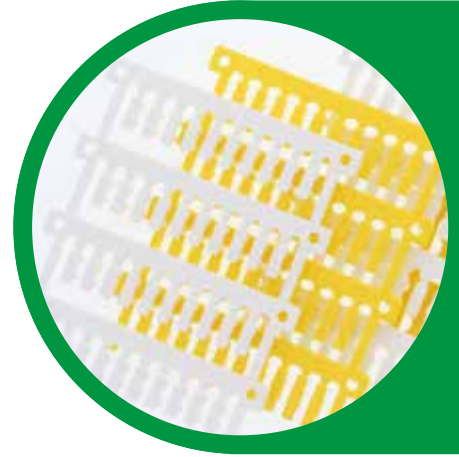


CONTA-LABEL

Marking components for thermal-transfer marking systems



Catalogue 05

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CONTA-CLIP – Thinking ahead with connection technology

CONTA-CLIP was founded in 1978. We operate globally as an owner-operated medium-sized company.

Users of electrical and electronic connection systems trust our reliable products and our many years of industrial and global market expertise.

Our company is now one of the most important manufacturers in the field.

For over 40 years, our components and solutions have been used in process and industrial automation applications, including: railway technology, materials handling, building automation, air conditioning, mechanical and facility engineering, measurement and control technology, control panel construction, shipbuilding, transformer construction and environmental technology.

Over the years, we have evolved into an innovator that sets the tone with new ideas and creative impulses.

Our employees come from a wide variety of industries and are true connectivity specialists. They understand the specific problems, requirements and challenges of our customers. This results in communication among equals.

The profits then flow into the development of new products and into modern, efficient manufacturing processes.

High quality standards throughout all departments are our top priority.

Our top-class products are supported by this interplay between top-class men and machinery. We have also designed our range of services to align with customer needs.

Our products are divided into six categories: CONTA-CONNECT for terminals and accessories, CONTA-CABLE cable management systems, CONTA-ELECTRONICS for electrical and electronic cabinet components, CONTA-LABEL for marking systems, CONTA-BOX for housings, and CONTA-CON for PCB terminals and connectors.

We design customer-specific solutions for electronics, provide completely assembled housings and assemblies as needed, assemble terminal blocks for series production, and quickly handle component labelling tasks.

We greet these challenges with passion and enthusiasm, because we see each customer as our partner.

CONTA-CLIP customer representatives are always ready to offer their support to the customer, because service and helpfulness are rooted deeply in our corporate philosophy.

Advantage online: the CONTA-CLIP Online Catalogue

No matter where you are, as long as you're online you can access our digital catalogue to look at our services and quickly identify suitable solutions for your requirements.

Fast results Use the full-text search, enter an order number or use the convenient "step-by-step" feature search function.

Project planning at a glance: After you've selected the products, all the master data for the materials (sales data, technical data, drawings, connection diagrams, classifications and approvals) are made available as a data sheet or export file.

Detailed inquiries about components can be sent via the shopping cart directly to our headquarters. Upon request, you will receive an e-mailed copy of your inquiry.

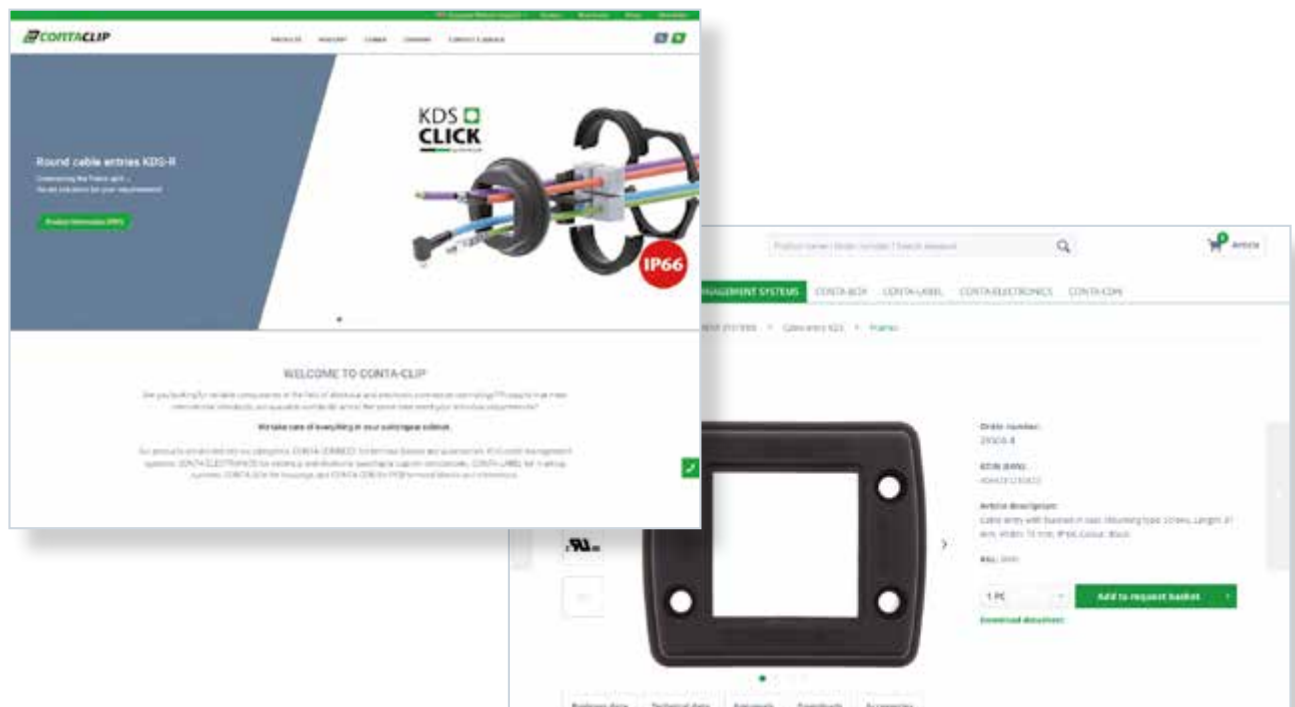
Application films: Complex functions be explained easily and clearly with sounds and images.

Printed catalogue: Would you like an offline overview? Please ask for our free printed catalogues.

Industry-specific: You will find the solutions that are relevant for your industry, according to your expertise.

Newsletter: Do you want to stay up to date? Subscribe to our newsletter! Simply register, confirm our authentication e-mail, and you'll be regularly informed about all CONTA-CLIP news.

Discover how the world of CONTA-CLIP and our website can deliver added value for you and your projects!



Globally available for you

Are you working abroad? No problem. Our worldwide sales and distribution partners help us to be globally networked and provide on-time reliable deliveries. Simply scan the QR code shown and you'll learn on our website about the sales partner responsible for your country.



Our locations in Africa

Algeria
Morocco
South Africa

Our locations in Asia

Bahrain
China
Hong Kong
India
Israel
Jordan
Malaysia
Oman
Pakistan
Qatar
Saudi Arabia
Singapore
South Korea
Taiwan
Turkey
United Arab Emirates

Our locations in Oceania

Australia
New Zealand

Our locations in Europe

Austria
Belarus
Belgium
Bulgaria
Croatia
Czech Republic
Denmark
Finland
France
Germany
Great Britain
Greece
Hungary
Iceland
Ireland
Italy
Latvia
Netherlands
Norway

Poland
Portugal
Romania
Russia
Serbia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Ukraine

Our locations in North America

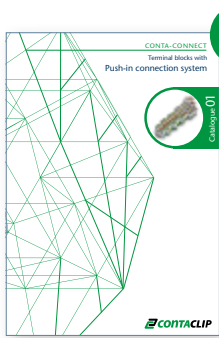
Canada
Mexico
United States

Our locations in South America

Bolivia
Brazil
Chile
Columbia
Ecuador

A complete line of products to meet your demands

The CONTA-CLIP Catalogues



01

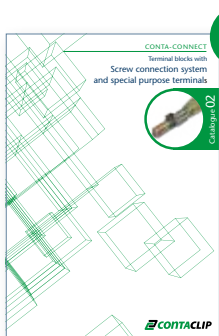
CONTA-CONNECT

Terminal blocks with push-in connection system

Our wide range of innovative PRK and FRK terminal blocks with the Push-in connection system include feed-through terminals, PE terminals, disconnect terminals, fused terminals, multi-level terminals, installation terminals and initiator terminals, for conductor cross-sections from 0.2 mm² to 25 mm².



Cat. no. 98070.2



02

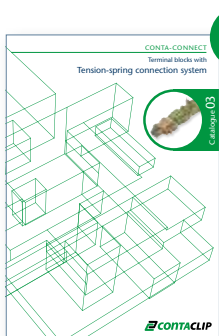
CONTA-CONNECT

Terminal blocks with screw connection system and special purpose terminals

Everything for classic wiring with screw connection system, also for high currents: SRK feed-through and PE terminals, RK high-temperature variants, TK transformer terminals, HSK high-power stud terminals and the SVB series screw distributor blocks.



Cat. no. 98071.2



03

CONTA-CONNECT

Terminal blocks with tension-spring connection system

Our versatile line of terminals with tension spring connections for conductor cross-sections from 0.2 mm² to 16 mm² includes: the ZRK/ZSL series of feed-through and PE terminals, the double-level ZRKD/ZSLD, the ZIKD three-level terminal blocks, motor-connection terminals, (blade-) disconnect terminals, fused terminals, direct-mount terminals, and initiator/actuator terminals for transmitting positioning, encoder and alert signals.



Cat. no. 98072.2



04

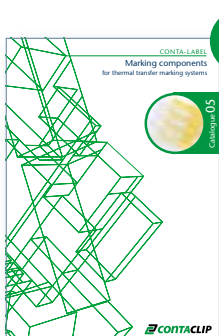
CONTA-CONNECT

Installation materials and other accessories for terminal blocks

Our installation products include cabling ducts, assembly tools, cable glands with metric or PG threads, DIN rails, rail cutters and punching tools. The terminal block accessories include different versions of end stops, wire-end ferrules, and connectors.



Cat. no. 98073.2



05

CONTA-LABEL

Marking components for thermal transfer marking systems

CONTA-CLIP provides the TTPCard thermal-transfer printer and a large selection of PC, PVC and PVCF markers or labels in card format: for professional, permanent labelling of terminals, devices, conductors, cables, facilities and switchgear cabinets.



Cat. no. 98074.2

Our catalogues are available in many languages!

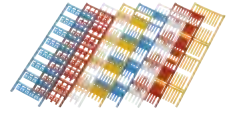


06

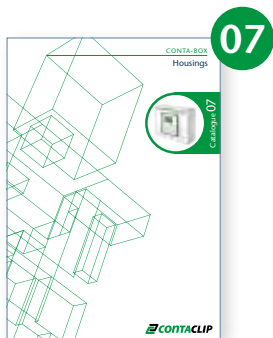
CONTA-LABEL

Marking components for ink-based marking systems

The CONTA-LABEL products provide polyamide markers for labelling conductors, cables, devices and facilities with ink print. These markers are available in many shapes and colours: in the classic MC Maxicard format for self-printing with the EMS plotter system EMS or other ink-jet systems, or ready-to-use customized printed in the PMC Pocket-Maxicard format.



Cat. no. 98075.2



07

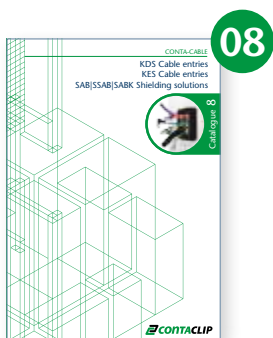
CONTA-BOX

Housings

Our wide variety of housings made of polystyrene, polycarbonate, polyester, ABS and aluminium deliver solutions for protecting electronic circuits, integrated devices and terminal blocks. On request, the housings can be custom-processed and assembled with our CONTA-CONNECT, CONTA-ELECTRONICS and CONTA-CON product lines.



Cat. no. 98076.2



08

CONTA-CABLE

KDS cable entries, KES cable entries, SAB|SSAB|SABK shielding solutions

The KDS and KES cable entries enable a tool-free, IP66-sealed feed-through for unassembled and assembled cables and hoses. The feed-through openings can be adapted at any time to meet your requirements. The SAB shield-connection clips can be used to provide a reliable shield contact with conductor diameters from 3 mm to 35 mm.



Cat. no. 98077.2



09

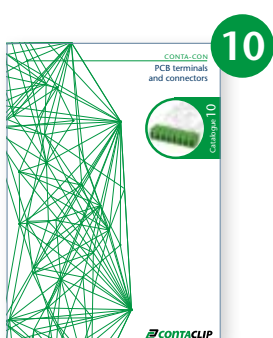
CONTA-ELECTRONICS

Electrical and electronic cabinet components

Our CONTA-ELECTRONICS products provide active and passive components for the transfer and conversion of analogue and digital signals at the coupling level. This product line includes power supplies, multi-function timing relays, coupling relays, digital switching modules, interface modules, opto-couplers, signal converters, GSM communication modules and much more.



Cat. no. 98078.2

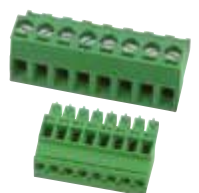


10

CONTA-CON

PCB terminals and connectors

This catalogue presents CONTA-CON's wide range of PCB terminals and plug-in connector systems, as well as the modular feed-through terminal systems of the SDK series. The modular components can be configured for any required number of poles. They are available in the wire connection types: wire protection, eccentric, clamping yoke, and (for demanding operating conditions) with tension-spring or Push-in wire terminations.



Cat. no. 98079.2

Thermal-transfer printer TTPCard

A system that fulfils a wide variety of marking and labelling requirements! The **TTPCard** thermal-transfer printer features excellent versatility, usability, speed and compact dimensions. The system has been designed for labelling facilities and electrical cabinets.

It takes care of all your labelling and marking requirements inside and outside of the electrical cabinet. All markers that are compatible with the **TTPCard** can be labelled using the "True Type" Windows fonts. Barcodes and QR codes can also be printed.



Your advantages

- Easy to operate
- High-quality print and clear typeface
- Easy to control with the CONTASign Pro labelling software
- Data can be imported from Excel, csv, txt, db and other standard file formats



Features

- Reliable printing technology (thermal transfer)
- Maintenance-free, low-noise operations
- Stable and quick labelling
- Compact dimensions
- Up to 500 markers per minute

Thermal-transfer printer TTPCard

TTPCard



Type	Cat. no.	Included in delivery	Qty.
TTPCard	28000.0	Thermal transfer printer TTPCard including a power cord, USB cable, dust cover, black thermal transfer film (28010.4), three inlays: CCI-PC-SB 5x5 (28020.0), CCI-PC-CPM-10/BSTR (28027.0), CCI-PC/PVC/PVCF (28041.0), CONTA Sign PRO software in 16 languages (German, English, French, Italian, Dutch, Spanish, Portuguese, Czech, Polish, Bulgarian, Romanian, Slovenian, Turkish, Chinese, Japanese, Russian) for Windows versions 7, 8, 10. (Available for download at the website)	1

Technical data

Dimensions (L x W x H)	382 x 230 x 221 mm
Weight	Approx. 9.6 kg
Supply voltage	100 – 240 V AC / 50 – 60 Hz
Power consumption	Max. 370 W
Interface ports	USB 1.1
Print type	Thermal transfer
Intended use	Complete assortment of marking materials for inside and outside the switchgear cabinet
Resolution	300 x 600 dpi
Printed area	Max. width 110 mm – max. length 140 mm
Printing speed	9 seconds for a complete card
Printing capacity	Approx. 300000 markers of type 4x10 mm, with a 200-metre roll of thermal-transfer film

Operating conditions

Ambient temperature	+15 °C to +35 °C
Relative humidity	From 30 to 80 % without condensation

Thermal transfer film

Colour side	outside
Diameter of roll	Max. 53 mm
Diameter of core	28 mm
Length	Max. 200 m
Width	Max. 120 mm

Accessories

Type	Cat. no.	Short description
Film TTPCard BK	28010.4	Colour: black, dimensions: 120 mm x 200 m, colour side on outside, industrial quality
Film TTPCard BU	28010.5	Colour: blue, dimensions: 120 mm x 200 m, colour side on outside, industrial quality
Film TTPCard RD	28010.9	Colour: red, dimensions: 120 mm x 200 m, colour side on outside, industrial quality
Film TTPCard GN	28010.1	Colour: green, dimensions: 120 mm x 200 m, colour side on outside, industrial quality
Film TTPCard SI	28010.0	Colour: silver, dimensions: 120 mm x 200 m, colour side on outside, industrial quality
Film TTPCard WH	28010.7	Colour: white, dimensions: 120 mm x 200 m, colour side on outside, industrial quality
TTPCard cleaning set	28043.0	One plate, cleaning cloth, one cleaning spray
TTPCard cleaning cloth	28044.0	Five cleaning cloths
TTPCard cleaning spray	28045.0	Cleaning spray for printing systems
CCI-PC-SB 5X5	28020.0	Printer inlay for PC-SB 5x5 cards
CCI-PC-TDM	28021.0	Printer inlay for PC-TDM cards
CCI-PC-TDMO	28022.0	Printer inlay for PC-TDMO cards
CCI-PC-CPM-01	28023.0	Printer inlay for PC-CPM cards
CCI-PC-CPM-05/12	28024.0	Printer inlay for PC-CPM cards
CCI-PC-CPM-06	28025.0	Printer inlay for PC-CPM cards
CCI-PC-CPM-09	28026.0	Printer inlay for PC-CPM cards
CCI-PC-CPM-10/BSTR	28027.0	Printer inlay for PC-BSTR and PC-CPM cards
CCI-PC-CPM-13	28028.0	Printer inlay for PC-CPM cards
CCI-PC-SPM-02	28029.0	Printer inlay for PC-SPM-02 cards
CCI-PC-TPM	28040.0	Printer inlay for PC-TPM cards
CCI-PC/PVC/PVCF	28041.0	Printer inlay for all flat PC/PVC/PVCF/POF cards and stickers
CCI-PC-CPM/SPM	28042.0	Printer inlay for PC-CPM/SPM cards
CCI-PC-SB 7.5X4	28046.0	Printer inlay for PC-SB 7.5x5 cards
CCI-PC-SB 6X5	28047.0	Printer inlay for PC-SB 6x5 cards
CCI-PC-SB 3.5X5	28366.0	Printer inlay for PC-SB 3.5x5 cards

Labelling systems and software – labelling software **CONTA-Sign PRO**

The Windows-based **CONTA-Sign PRO** software has been developed specially to professionally mark and label wires, cables, facilities and electrical cabinets.

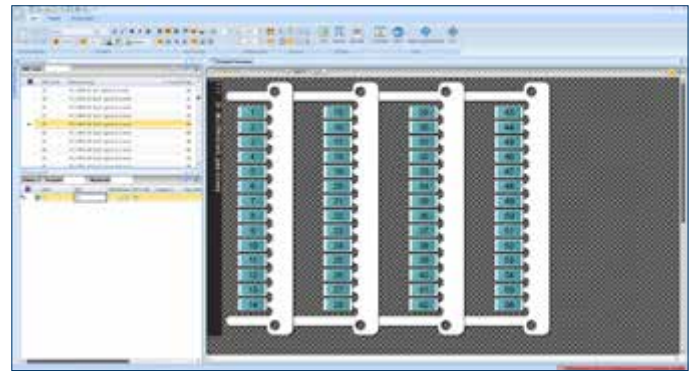
All of CONTA-CLIP's PC, PVC and PVCF markers can be printed on using this software and the **TTPCard** thermal transfer printer. Text, bar codes and drawings can easily be created or imported in the software.

CONTA-Sign PRO is available in 16 languages.

CONTA Sign^{PRO}



Projects can easily be created



Simple entry of series on the markers

System requirements	
CPU	Intel®Core™ i3
RAM	4 GB RAM
Hard disk space	2 GB
Interface ports	USB port
Screen resolution	1280 x 1024
Operating system	Windows ver. 7, 8 and 10
Peripherals	Keyboard and mouse
Languages	German, English, French, Italian, Dutch, Spanish, Portuguese, Czech, Polish, Bulgarian, Romanian, Slovenian, Turkish, Chinese, Japanese, Russian



Your advantages

- Data can be imported from Excel, csv, txt, db and other standard file formats
- Works with Matrix, ACS and Simplo, Import Spac, EPLAN, IGE-XAO, Zuken E3, etc.
- Creation of customised marker layouts
- 16 languages
- Free updates
- Help function



Features

- Prints on terminal blocks, cables, plugs, connectors, buttons, components, markers for control panels and self-adhesive labels
- Direct entry of data to the markers or using an editor
- More than ten different types of numbers available
- Use with all standard Windows fonts and special characters, such as Chinese and Cyrillic
- Vector print, drawings and clip-art e.g *.wmf, *.jpeg, *.bmp, barcode, 2D barcode, QR code, data matrix

Printing materials

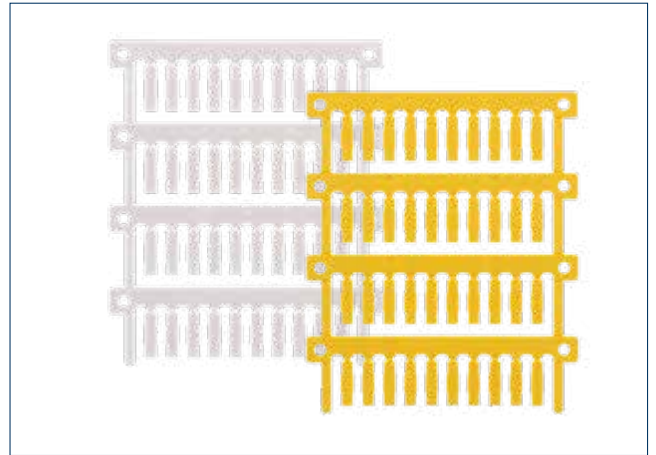
Various types of plastic markers can be printed on using the TTPCard.

PC series

All markers in the PC series are produced in card format. The individual solid markers can easily be separated along the predetermined card breakage points.

Material:

- Polycarbonate
- Self-extinguishing UL94 V-0
- Temperature range: -40 °C to +130 °C
- Halogen-free, silicone-free
- Outstanding dimensional stability with very good mechanical features



PVC series

All markers in the PVC series are stamped in card format. The individual markers can easily be separated along the predetermined card breakage points. Self-adhesive markers, markers with holes for direct mounting, and markers for holders are also available.

Material:

- PVC
- Self-extinguishing UL94 V-0
- Temperature range: -30 °C to +60 °C
- Silicone-free

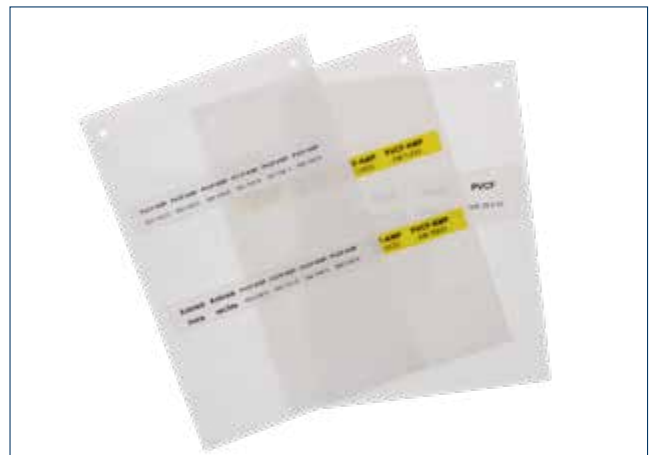


POF series

The self-adhesive labels are packaged on cards and glued to a substrate. Due to the perforation, the individual labels can easily be removed from the card after printing.

Material:

- Polyolefine (PO)
- Self-extinguishing UL 94 V-0
- Temperature range: -40 °C to +150 °C
- Processing temperature: +10 °C to +40 °C
- Halogen-free, silicone-free



Our printers and printing materials comply with the toughest international standards, including:

- DIN EN ISO 4892-2 UV resistance (standard test 500 h)
- CEI 16-7 Thermal stability
- CEI 16-7 print integrity
- IEC 61439-1:2009 pt. 10.2.7
- CEI 23-11 (CEI EN 61058-1)
- CEI en 61010-1 (VDE 0411-1)

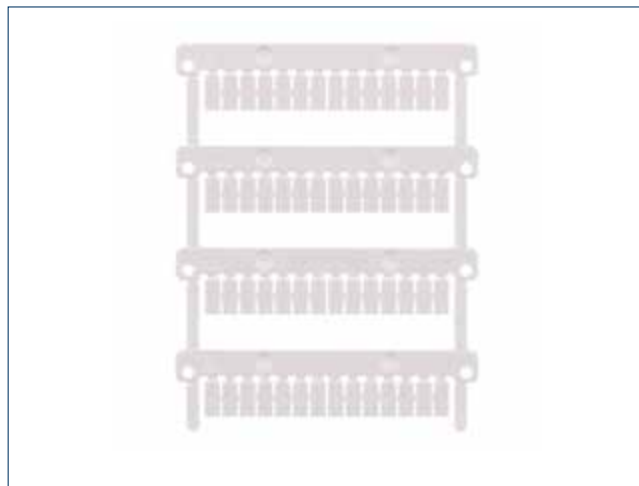
Terminal markers PC-SB... / PC-BSTR...

The **SB** and **BSTR** terminal markers are the multi-functional marking system used to mark CONTA-CLIP terminal blocks. The **PC-SB** is suitable for labelling all CONTA-CLIP terminal blocks with their corresponding terminal widths.

PC-BSTR is the ideal solution for longer strings of characters.

The **PC-BSTR 5/...MI** variants are fitted with a centrally positioned foot that is used when the standard **BSTR** markers cover the cross-connection channel or wire entry.

The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.

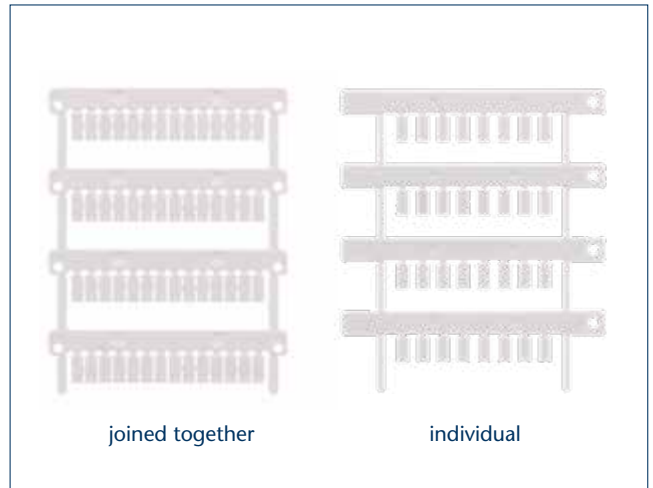


Characteristics	
Material	Polycarbonate
Temperature range	-40 °C to +130 °C
Flamm. class acc. to UL 94	V-0
Features	Halogen-free, silicone-free
Colour variants	White

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Application	Marker per card	Cat. no. Inlay	SW Code
PC-SB 3.5x5/56 WH	28350.7	White	1120	3.5 x 5.0	joined together	56	28366.0	401
PC-SB 5x5/48 WH	28342.7	White	960	5.0 x 5.0	joined together	48	28020.0	402
PC-BSTR 5x10/48 MI WH	28352.7	White	960	5.0 x 10.0	joined together	48	28027.0	405
PC-BSTR 5x10/48 WH	28346.7	White	960	5.0 x 10.0	joined together	48	28027.0	406
PC-BSTR 5x12/48 WH	28345.7	White	960	5.0 x 12.0	joined together	48	28027.0	407
PC-SB 6x5/40 WH	28343.7	White	800	6.0 x 5.0	joined together	40	28047.0	403
PC-BSTR 6x12/40 WH	28344.7	White	800	6.0 x 12.0	joined together	40	28027.0	408
PC-SB 7.5x4/32 WH	28357.7	White	640	7.5 x 4.0	joined together	32	28046.0	413

Terminal markers for PC-CPM

The **PC-CPM** multi-markers can be used to mark terminal blocks from the following manufacturers: Phoenix Contact, Wago, Weidmüller, Allen-Bradley, Klemsan, Morsettitalia, Woertz, Connectwell, ABB Entrellec, Siemens, Cabur, Wieland, Telemecanique and Legrand. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.

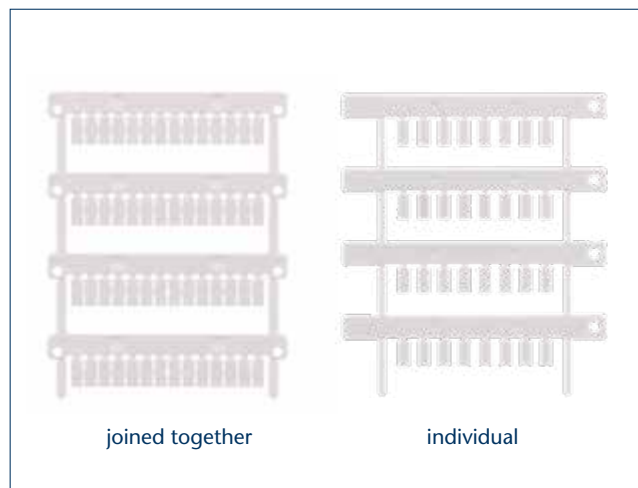


Characteristics	
Material	Polycarbonate
Temperature range	-40 °C to +130 °C
Flamm. class acc. to UL 94	V-0
Features	Halogen-free, silicone-free
Colour variants	White

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Application	Marker per card	Cat. no. Inlay	SW Code
Markers for Weidmüller, ABB, Wago, Allen-Bradley, Klemsan, Morsettitalia, Woertz, Connectwell								
PC-CPM-01 E 3x10/80 WH	28237.7	White	2000	3 x 10	individual	80	28042.0	15
PC-CPM-01 E 5x7/56 WH	28238.7	White	1960	5 x 7	individual	56	28023.0	13
PC-CPM-01 E 5x10/56 WH	28239.7	White	1960	5 x 10	individual	56	28042.0	14
PC-CPM-01 E 5x15/48 WH	28240.7	White	1960	5 x 15	individual	48	28042.0	16
PC-CPM-01 E 8x10/32 WH	28241.7	White	1120	8 x 10	individual	32	28042.0	18
Markers for Weidmüller WDK & WDU, Allen-Bradley, Klemsan, ABB, Wago, Woertz								
PC-CPM-02 E 5x10/48 WH	28245.7	White	1680	5 x 10	individual	48	28042.0	22
Markers for Wago, ABB, Cabur, Phoenix, Connectwell								
PC-CPM-03 E 5x10/56 WH	28247.7	White	1960	5 x 10	individual	56	28042.0	25
PC-CPM-03 Z 5x10/56 WH	28351.7	White	1960	5 x 10	joined together	56	28042.0	25
Markers for Wago, ABB, Cabur, Phoenix (UT, UK), Siemens 8WH, Harting								
PC-CPM-04 E 3x10/80 WH	28249.7	White	2000	3 x 10	individual	80	28042.0	43
PC-CPM-04 E 5x10/48 WH	28250.7	White	1680	5 x 10	individual	48	28042.0	42
PC-CPM-04 5x10/48 WH	28251.7	White	1680	5 x 10	joined together	48	28042.0	31
PC-CPM-04 6x10/48 WH	28252.7	White	1344	6 x 10	joined together	48	28042.0	45
PC-CPM-04 8x10/32 WH	28253.7	White	1120	8 x 10	joined together	32	28042.0	48
Markers for Wieland, Telemecanique, Legrand, Merlin Gerin (MCB ST)								
PC-CPM-05 E 5x10/56 WH	28256.7	White	1960	5 x 10	individual	56	28024.0	51
PC-CPM-05 5x10/56 WH	28257.7	White	1960	5 x 10	joined together	56	28024.0	51

Terminal markers for PC-CPM

The **PC-CPM** multi-markers can be used to mark terminal blocks from the following manufacturers: Phoenix Contact, Wago, Weidmüller, Allen-Bradley, Klemans, Morsettitalia, Woertz, Connectwell, ABB Entrellec, Siemens, Cabur, Wieland, Telemecanique and Legrand. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	Polycarbonate
Temperature range	-40 °C to +130 °C
Flamm. class acc. to UL 94	V-0
Features	Halogen-free, silicone-free
Colour variants	White

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Application	Marker per card	Cat. no. Inlay	SW Code	
Markers for Siemens 8WA terminals									
PC-CPM-06 E 5x10/44 WH	28258.7	White	1540	5 x 10	individual	44	28025.0	61	
Markers for Phoenix Contact [ST, STU, STS, STI, STN, STTB] Siemens (8WH), Schlegel									
PC-CPM-07 E 5x10/48 WH	28259.7	White	1680	5 x 10	individual	48	28042.0	71	
Markers for Legrand Viking 3									
PC-CPM-09 5x10/56 WH	28260.7	White	1960	5 x 10	joined together	56	28026.0	92	
Markers for Cabur, Connectwell									
PC-CPM-10 E 5x12/48 WH	28261.7	White	1680	5 x 12	individual	48	28027.0	101	
Markers for Allen-Bradley, Weidmüller WDU, IMO, Omron, Finder									
PC-CPM-11 E 6x12/48 WH	28262.7	White	1680	6 x 12	individual	48	28042.0	106	
Markers for Wago Top job, ABB, Cabur, Weidmüller, Connectwell, Morsettitalia, Beckhoff I/O									
PC-CPM-12 4.2x6/56 WH	28264.7	White	1960	4.2 x 6	joined together	56	28024.0	111	
PC-CPM-12 4.2x9/56 WH	28265.7	White	1960	4.2 x 9	joined together	56	28024.0	112	
Markers for ABB (SNK, ZS)									
PC-CPM-13 5x12/56 WH	28266.7	White	1960	5 x 12	joined together	56	28028.0	113	
PC-CPM-13 E 6x12/48 WH	28267.7	White	1680	6 x 12	individual	48	28028.0	114	

Terminal markers for PVC-CPMF...

Terminal blocks from the manufacturers Wago, ABB, Phoenix and Siemens can be marked using the **PVC-CPMF**, **PVC-CPMFA** and **PVCF-CPMFA** multi-markers. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	Type: PVC...	Type: PVCF...
Material	PVC	PVC film
Temperature range	-30 °C to +60 °C	-30 °C to +60 °C
Flamm. class acc. to UL 94	V-0	V-0
Features	Silicone-free	Silicone-free
Colour variants	White	White

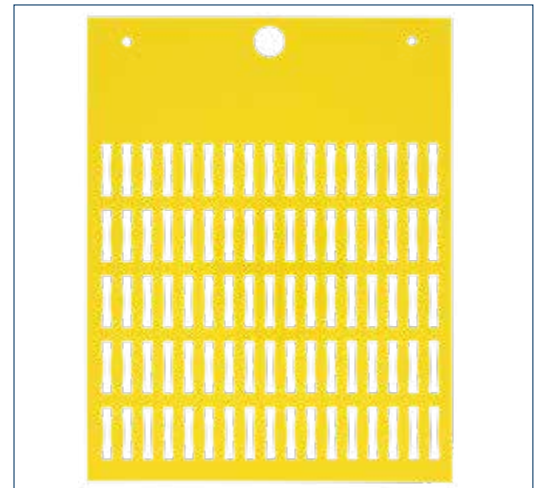
Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Application	Strips per card	Cat. no. Inlay	SW Code
Markers for Wago 264								
PVC-CPMF 4.6x118/6 WH	28268.7	White	300	4.6 x 118	Strips	6	28041.0	547
Markers for ABB D..								
PVC-CPMF 5.2x105/20 WH	28269.7	White	1000	5.2 x 105	Strips	20	28041.0	551
Markers for Phoenix ST, Siemens 8WH								
PVC-CPMF 6.3x105x0.5/15 WH	28270.7	White	750	6.3 x 105	Strips	15	28041.0	553
Markers for ABB M6/9EE, attached from the front								
PVC-CPMF 7.6x105/12 WH	28272.7	White	600	7.6 x 105	Strips	12	28041.0	552
Markers for Phoenix PT								
PVC-CPMF 9.8x105/11 WH	28273.7	White	550	9.8 x 105	Strips	11	28041.0	549
Markers for ABB M6/9EE, attached from the side								
PVC-CPMF 10x105/10 WH	28332.7	White	500	10 x 105	Strips	10	28041.0	530
Markers for Wago (2001, 2002, 2004, 2006, 2010 2016)								
PVC-CPMF 10.5x105/10 WH	28274.7	White	500	10.5 x 105	Strips	10	28041.0	554
Markers for ABB SNK terminals								
PVC-CPMFA K 12x105/8 WH	28333.7	White	400	12 x 105	Self-adhesive strips	8	28041.0	932
Markers for custom designs								
PVCF-CPMFA K 10x105/10 WH	28334.7	White	100	10 x 105	Self-adhesive strips	10	28041.0	530
Markers for PCB terminals								
PVCF-VYB 4x105/10 WH	28275.7	White	500	4 x 105	Strips	10	28041.0	556
Markers for Weidmüller ABB								
PVCF-VYB 5.2x105/20 WH	28276.7	White	1000	5.2 x 105	Strips	20	28041.0	557
Markers for Wago 260, 261, 262								
PVCF-VYB 7x105/14 WH	28277.7	White	700	7 x 105	Strips	14	28041.0	558

Wire and cable markers PVC-TPMF... and PC-TPMF

The **PVC TPMF** and **PC-TPMF** labelling markers are used to label cables, tubes, wires and components. After they are separated, the markers can be inserted in the marker holders.

- The sleeve is easier to attach to the wire because of the special bellows shape of the cable marker sleeve.
- The combination of the **PVC-TPMF** or **PC-TPMF** and the cable marking sleeves **KH-PVC** or **KH-PVC-HF** guarantees that the labelling is protected from environmental influences
- The oval-shaped pocket makes the labels easy to insert before or after installation.
- The elastic pocket both protects and secures the marker.

The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	PVC-TPMF.	PC-TPMF-HF
Material	PVC	Polycarbonate
Temperature range	-30 °C to +60 °C	-30 °C to +130 °C
Flamm. class acc. to UL 94	V-0	V-0
Features	Silicone-free	Halogen-free, silicone-free
Colour variants	White, yellow	White, yellow

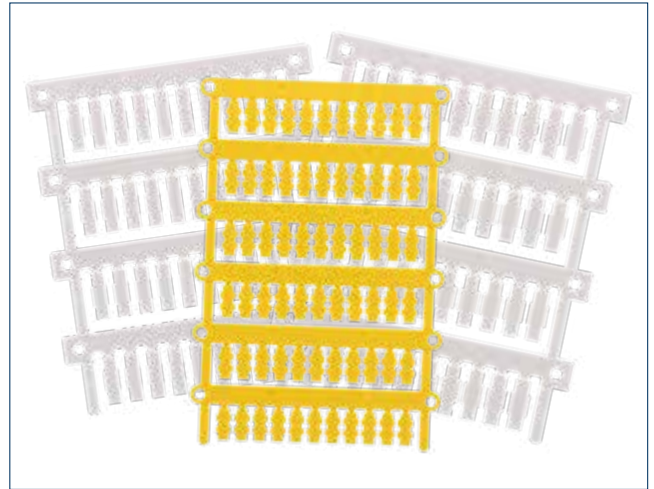
Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Cat. no. Inlay	SW Code
PVC-TPMF 4x12 WH	28100.7	White	4000	4 x 12	80	28041.0	505
PVC-TPMF 4x12 YE	28100.8	Yellow	4000	4 x 12	80	28041.0	505
PVC-TPMF 4x15 WH	28101.7	White	4000	4 x 15	80	28041.0	503
PVC-TPMF 4x15 YE	28101.8	Yellow	4000	4 x 15	80	28041.0	503
PVC-TPMF 4x20 WH	28102.7	White	1600	4 x 20	64	28041.0	504
PVC-TPMF 4x20 YE	28102.8	Yellow	1600	4 x 20	64	28041.0	504
PVC-TPMF 4x30 WH	28103.7	White	1200	4 x 30	48	28041.0	509
PVC-TPMF 4x30 YE	28103.8	Yellow	1200	4 x 30	48	28041.0	509
PC-TPMF-HF 4x12 WH	28104.7	White	4000	4 x 12	80	28041.0	505
PC-TPMF-HF 4x15 WH	28105.7	White	4000	4 x 15	80	28041.0	503
PC-TPMF-HF 4x15 YE	28105.8	Yellow	4000	4 x 15	80	28041.0	503

Cable marker sleeves, refer to pages 33–34

Wire and cable markers PC-TDM

The **PC-TDM** series of labelling markers can be pushed directly onto the wires without the need for cable marker sleeves. Two rings with internal teeth are used to ensure that the marker is attached securely to the wire when using different diameters.

The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



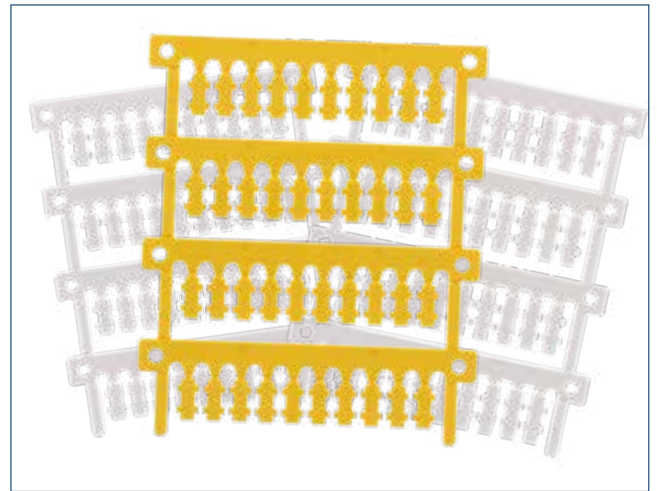
Characteristics	Type: PC-TDM-01	Type: PC-TDM-02
Material	Polycarbonate	Polycarbonate
Temperature range	-40 °C to +130 °C	-40 °C to +130 °C
Flamm. class acc. to UL 94	V-0	V-0
Features	Halogen-free, silicone-free	Halogen-free, silicone-free
Application		
Cross-section, mm ² *	0.5 - 1.5	1 - 6
Outer diameter of insulation, mm	1.6 - 3.25	2 - 4.4
Colour variants	White, yellow	White, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Wire cross-section mm ² *	Outer diameter of insulation, mm	Cat. no. Inlay	SW Code
PC-TDM-01 4x12 WH	28110.7	White	1320	4 x 12	66	0.5 - 1.5	1.6 - 3.25	28021.0	121
PC-TDM-01 4x12 YE	28110.8	Yellow	1320	4 x 12	66	0.5 - 1.5	1.6 - 3.25	28021.0	121
PC-TDM-01 4x16 WH	28111.7	White	800	4 x 16	40	0.5 - 1.5	1.6 - 3.25	28022.0	123
PC-TDM-01 4x16 YE	28111.8	Yellow	800	4 x 16	40	0.5 - 1.5	1.6 - 3.25	28022.0	123
PC-TDM-02 4x12 WH	28112.7	White	1056	4 x 12	66	1.0 - 6.0	2.0 - 4.4	28021.0	122
PC-TDM-02 4x12 YE	28112.8	Yellow	1056	4 x 12	66	1.0 - 6.0	2.0 - 4.4	28021.0	122
PC-TDM-02 4x16 WH	28113.7	White	640	4 x 16	40	1.0 - 6.0	2.0 - 4.4	28022.0	124
PC-TDM-02 4x16 YE	28113.8	Yellow	640	4 x 16	40	1.0 - 6.0	2.0 - 4.4	28022.0	124

* This specified cross-section is a guideline. Wires with the same cross-section may have different outer diameters. Therefore, we recommend using the diameter as the reference value.

Wire and cable markers PC-TDMO

The **PC-TDMO** series of labelling markers can be clipped on directly to an already connected wired. The snap-in foot has a spring force which ensures a reliable attachment for the entire range of cross-sections. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



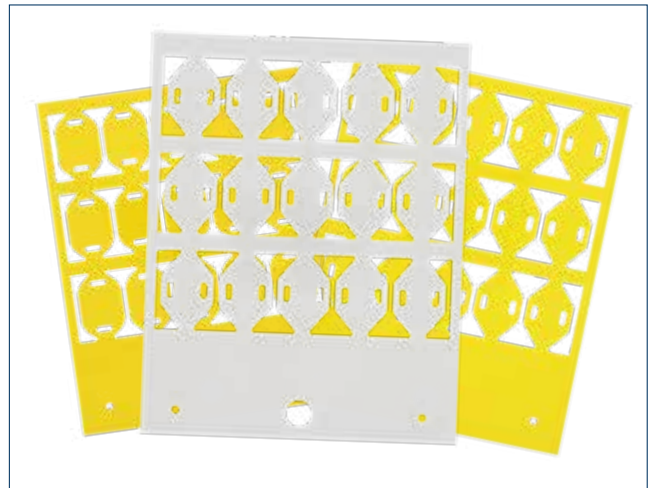
Characteristics	
Material	Polycarbonate
Temperature range	-40 °C to +130 °C
Flamm. class acc. to UL 94	V-0
Features	Halogen-free, silicone-free
Colour variants	White, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Wire cross-section, mm ² *	Outer diameter of insulation, mm	Cat. no. Inlay	SW Code
PC-TDMO-01 4x12 WH	28114.7	White	880	4 x 12	40	0.5 - 1.5	2.0 - 2.9	28022.0	125
PC-TDMO-01 4x12 YE	28114.8	Yellow	800	4 x 12	40	0.5 - 1.5	2.0 - 2.9	28022.0	125
PC-TDMO-01 4x16 WH	28115.7	White	880	4 x 16	40	0.5 - 1.5	2.0 - 2.9	28022.0	128
PC-TDMO-01 4x16 YE	28115.8	Yellow	800	4 x 16	40	0.5 - 1.5	2.0 - 2.9	28022.0	128
PC-TDMO-02 4x12 WH	28116.7	White	640	4 x 12	40	1.5 - 2.5	2.9 - 3.5	28022.0	126
PC-TDMO-02 4x12 YE	28116.8	Yellow	640	4 x 12	40	1.5 - 2.5	2.9 - 3.5	28022.0	126
PC-TDMO-02 4x16 WH	28117.7	White	640	4 x 16	40	1.5 - 2.5	2.9 - 3.5	28022.0	129
PC-TDMO-02 4x16 YE	28117.8	Yellow	640	4 x 16	40	1.5 - 2.5	2.9 - 3.5	28022.0	129
PC-TDMO-03 4x12 WH	28118.7	White	560	4 x 12	40	4.0 - 6.0	4.0 - 4.6	28022.0	127
PC-TDMO-03 4x12 YE	28118.8	Yellow	560	4 x 12	40	4.0 - 6.0	4.0 - 4.6	28022.0	127
PC-TDMO-03 4x16 WH	28119.7	White	560	4 x 16	40	4.0 - 6.0	4.0 - 4.6	28022.0	130
PC-TDMO-03 4x16 YE	28119.8	Yellow	560	4 x 16	40	4.0 - 6.0	4.0 - 4.6	28022.0	130

* This specified cross-section is a guideline. Wires with the same cross-section may have different outer diameters. Therefore, we recommend using the diameter as the reference value.

Wire and cable markers PVC-ETF and PC-ETF-HF

The **PVC-ETF** and **PC-ETF-HF** series of markers are attached using cable ties. They are used for marking cables, pipes or other lines with large diameters. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	PVC-ETF..	PC-ETF-HF..
Material	PVC	Polycarbonate
Temperature range	-30 °C to +60 °C	-40 °C to +130 °C
Flamm. class acc. to UL 94	V-0	V-0
Features	Silicone-free	Halogen-free, silicone-free
Application		
Max. width of cable tie, in mm	4.8	4.8
Colour variants	White, yellow	White, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Label field mm	Marker per card	Cat. no. Inlay	SW Code
PVC-ETF 13x57 WH	28120.7	White	700	13 x 57	11 x 35	14	28041.0	581
PVC-ETF 13x57 YE	28120.8	Yellow	700	13 x 57	11 x 35	14	28041.0	581
PVC-ETF 20x26 WH	28121.7	White	750	20 x 26	8 x 22	15	28041.0	583
PVC-ETF 20x26 YE	28121.8	Yellow	750	20 x 26	8 x 22	15	28041.0	583
PVC-ETF 20x27 WH	28122.7	White	750	20 x 27	15 x 18	15	28041.0	582
PVC-ETF 20x27 YE	28122.8	Yellow	750	20 x 27	15 x 18	15	28041.0	582
PVC-ETF 28x57 WH	28123.7	White	300	28 x 57	26 x 35	6	28041.0	591
PVC-ETF 28x57 YE	28123.8	Yellow	300	28 x 57	26 x 35	6	28041.0	591
PC-ETF-HF 13x57 WH	28124.7	White	700	13 x 57	11 x 35	14	28041.0	581
PC-ETF-HF 13x57 YE	28124.8	Yellow	700	13 x 57	11 x 35	14	28041.0	581
PC-ETF-HF 28x57 WH	28125.7	White	300	28 x 57	24 x 35	6	28041.0	590
PC-ETF-HF 28x57 YE	28125.8	Yellow	300	28 x 57	24 x 35	6	28041.0	590

Wire and cable markers POF-KMP

The self-adhesive **POF-KMP** labels are used to label wires and cables with large diameters. Excellent resistance is ensured by the transparent protective strip, which is taped over the printed surface. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.

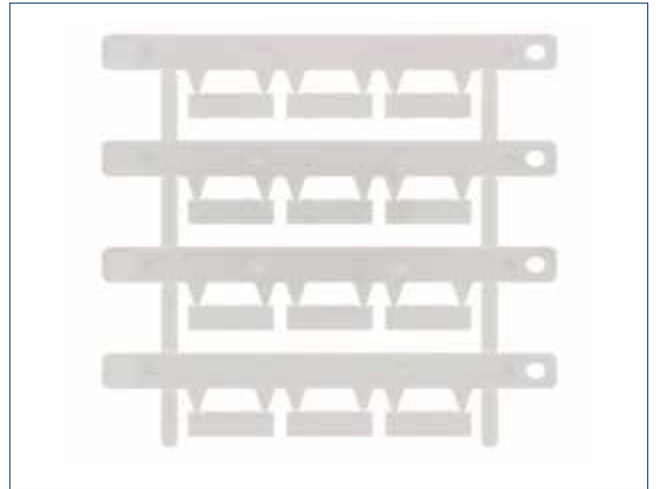


Characteristics	
Material	Polyolefine (PO)
Temperature range	-80 °C to +150 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Halogen-free, silicone-free
Colour variants	White, yellow, green

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Label field mm	Outer diameter of insulation, mm	Marker per card	Cat. no. Inlay	SW Code
POF-KMP 019 9x13 WH	28368.7	White	1500	13 x 19	9 x 13	2.0 - 3.0	30	28041.0	392
POF-KMP 019 9x13 YE	28368.8	Yellow	1500	13 x 19	9 x 13	2.0 - 3.0	30	28041.0	392
POF-KMP 025 9x15 WH	28369.7	White	1200	15 x 25	9 x 15	2.6 - 4.1	24	28041.0	393
POF-KMP 025 9x15 YE	28369.8	Yellow	1200	15 x 25	9 x 15	2.6 - 4.1	24	28041.0	393
POF-KMP 025 9x23 WH	28370.7	White	800	23 x 25	9 x 23	2.6 - 4.1	16	28041.0	394
POF-KMP 025 9x23 YE	28370.8	Yellow	800	23 x 25	9 x 23	2.6 - 4.1	16	28041.0	394
POF-KMP 038 10x15 WH	28371.7	White	900	15 x 38	10 x 15	4.3 - 7.0	18	28041.0	381
POF-KMP 038 10x15 YE	28371.8	Yellow	900	15 x 38	10 x 15	4.3 - 7.0	18	28041.0	381
POF-KMP 038 10x23 WH	28372.7	White	600	23 x 38	10 x 23	4.3 - 7.0	12	28041.0	382
POF-KMP 038 10x23 YE	28372.8	Yellow	600	23 x 38	10 x 23	4.3 - 7.0	12	28041.0	382
POF-KMP 050 15x12 WH	28373.7	White	700	12 x 50	15 x 12	6.0 - 10.0	14	28041.0	383
POF-KMP 050 15x15 WH	28374.7	White	600	15 x 50	15 x 15	6.0 - 10.0	12	28041.0	384
POF-KMP 050 15x15 YE	28374.8	Yellow	600	15 x 50	15 x 15	6.0 - 10.0	12	28041.0	384
POF-KMP 050 15x23 WH	28375.7	White	400	23 x 50	15 x 23	6.0 - 10.0	8	28041.0	385
POF-KMP 050 15x23 YE	28375.8	Yellow	400	23 x 50	15 x 23	6.0 - 10.0	8	28041.0	385
POF-KMP 062 18x12 WH	28376.7	White	700	12 x 62	18 x 12	6.5 - 12.0	14	28041.0	395
POF-KMP 062 18x12 YE	28376.8	Yellow	700	12 x 62	18 x 12	6.5 - 12.0	14	28041.0	395
POF-KMP 068 22x40 WH	28377.7	White	200	40 x 68	22 x 40	7.0 - 13.0	4	28041.0	396
POF-KMP 068 22x40 YE	28377.8	Yellow	200	40 x 68	22 x 40	7.0 - 13.0	4	28041.0	396
POF-KMP 075 25x15 WH	28378.7	White	300	15 x 75	25 x 15	8.0 - 14.0	6	28041.0	386
POF-KMP 075 25x15 YE	28378.8	Yellow	300	15 x 75	25 x 15	8.0 - 14.0	6	28041.0	386
POF-KMP 075 25x23 WH	28379.7	White	200	23 x 75	25 x 23	8.0 - 14.0	4	28041.0	387
POF-KMP 075 25x23 YE	28379.8	Yellow	200	23 x 75	25 x 23	8.0 - 14.0	4	28041.0	387
POF-KMP 080 25x47 WH	28380.7	White	100	47 x 80	25 x 47	10.0 - 17.0	2	28041.0	397
POF-KMP 080 25x47 YE	28380.8	Yellow	100	47 x 80	25 x 47	10.0 - 17.0	2	28041.0	397
POF-KMP 082 25x50 WH	28381.7	White	100	50 x 82	25 x 50	10.5 - 18.0	2	28041.0	388
POF-KMP 092 20x80 WH	28382.7	White	50	80 x 92	20 x 80	11.0 - 19.0	1	28041.0	398
POF-KMP 092 20x80 YE	28382.8	Yellow	50	80 x 92	20 x 80	11.0 - 19.0	1	28041.0	398
POF-KMP 100 25x15 WH	28383.7	White	300	15 x 100	25 x 15	12.0 - 20.0	6	28041.0	389
POF-KMP 100 25x15 YE	28383.8	Yellow	300	15 x 100	25 x 15	12.0 - 20.0	6	28041.0	389
POF-KMP 100 25x23 WH	28384.7	White	200	23 x 100	25 x 23	12.0 - 20.0	4	28041.0	390
POF-KMP 100 25x23 YE	28384.8	Yellow	200	23 x 100	25 x 23	12.0 - 20.0	4	28041.0	390
POF-KMP 135 50x50 GN	28385.1	Green	100	50 x 135	50 x 50	20.0 - 25.0	2	28041.0	391
POF-KMP 135 50x50 WH	28385.7	White	100	50 x 135	50 x 50	20.0 - 25.0	2	28041.0	391
POF-KMP 135 50x50 YE	28385.8	Yellow	100	50 x 135	50 x 50	20.0 - 25.0	2	28041.0	391

Device and installation markers PC-SPM

The labelling markers from the **PC-SPM** series have snap-in feet on the back so that they can be used to label facility components and parts. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	Polycarbonate
Temperature range	-40 °C to +130 °C
Flamm. class acc. to UL 94	V-0
Features	Halogen-free, silicone-free
Colour variants	White

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PC-SPM-02 7x20 WH	28135.7	White	360	7 x 20	12	Siemens Sirius and ABB AF components	28029.0	142
PC-SPM-02 9x19 WH	28136.7	White	360	9 x 19	12	Siemens Eaton	28042.0	143
PC-SPM-09 8x20 WH	28137.7	White	360	8 x 20	12	Murr Elektronik	28024.0	144

Device and installation markers PVC-TAP

The **PVC-TAP** labelling markers are particularly versatile.

They can be used for marking cables, hoses, buttons, machines, components, etc. There are universal marker holders and holders which are compatible with commonly found operating controls available for the various sizes of markers.

The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



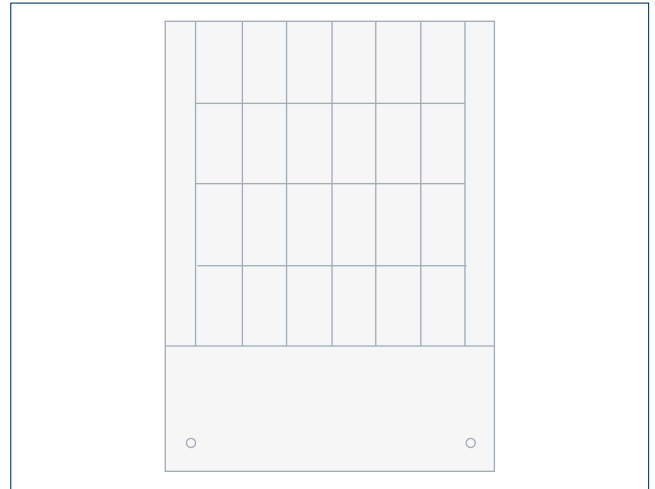
Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Colour variants	Grey, white, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PVC-TAP 15x17 WH	28138.7	White	420	15.0 x 17.0	42	GSU-H 17x15 BK, PS 15 Profile *	28041.0	165
PVC-TAP 15x17 YE	28138.8	Yellow	420	15.0 x 17.0	42	GSU-H 17x15 BK, PS 15 Profile *	28041.0	165
PVC-TAP 15x17 GR	28138.6	Grey	420	15.0 x 17.0	42	GSU-H 17x15 BK, PS 15 Profile *	28041.0	165
PVC-TAP 15x27 WH	28139.7	White	700	15.0 x 27.0	28	GSU-H 27x15 BK, PS 15 Profile *	28041.0	166
PVC-TAP 15x27 YE	28139.8	Yellow	700	15.0 x 27.0	28	GSU-H 27x15 BK, PS 15 Profile *	28041.0	166
PVC-TAP 15x27 GR	28139.6	Grey	700	15.0 x 27.0	28	GSU-H 27x15 BK, PS 15 Profile *	28041.0	166
PVC-TAP 15x32 WH	28140.7	White	525	15.0 x 32.0	21	PS 15 Profile *	28041.0	352
PVC-TAP 15x43 WH	28141.7	White	350	15.0 x 43.0	14	PS 15 Profile *	28041.0	353
PVC-TAP 15x49 WH	28142.7	White	350	15.0 x 49.0	14	GSU-H 49x15 BK, PS 15 Profile *	28041.0	167
PVC-TAP 15x49 YE	28142.8	Yellow	350	15.0 x 49.0	14	GSU-H 49x15 BK, PS 15 Profile *	28041.0	167
PVC-TAP 15x49 GR	28142.6	Grey	350	15.0 x 49.0	14	GSU-H 49x15 BK, PS 15 Profile *	28041.0	167
PVC-TAP 15x67 WH	28143.7	White	175	15.0 x 67.0	7	PS 15 Profile *	28041.0	168
PVC-TAP 15x67 YE	28143.8	Yellow	175	15.0 x 67.0	7	PS 15 Profile *	28041.0	168
PVC-TAP 15x67 GR	28143.6	Grey	175	15.0 x 67.0	7	PS 15 Profile *	28041.0	168
PVC-TAP 17.5x27.8 WH	28144.7	White	600	17.5 x 27.8	24	Siemens 3SB3 925 0AV, GST-H 27x18 *	28041.0	175
PVC-TAP 17.5x27.8 GR	28144.6	Grey	600	17.5 x 27.8	24	Siemens 3SB3 925 0AV, GST-H 27x18 *	28041.0	175
PVC-TAP 8.2x27 WH	28145.7	White	1100	8.2 x 27.0	44	Telemecanique ZBZ-32, GST-H 27x8 *	28041.0	807
PVC-TAP 8.2x27 YE	28145.8	Yellow	1100	8.2 x 27.0	44	Telemecanique ZBZ-32, GST-H 27x8 *	28041.0	807
PVC-TAP 8.2x27 GR	28145.6	Grey	1100	8.2 x 27.0	44	Telemecanique ZBZ-32, GST-H 27x8 *	28041.0	807
PVC-TAP 18x27 WH	28146.7	White	500	18.0 x 27.0	20	Telemecanique (ZBZ-33, ZBZ-35), Eaton, GST-H 27x18 *	28041.0	178
PVC-TAP 18x27 YE	28146.8	Yellow	500	18.0 x 27.0	20	Telemecanique (ZBZ-33, ZBZ-35), Eaton, GST-H 27x18 *	28041.0	178
PVC-TAP 18x27 GR	28146.6	Grey	500	18.0 x 27.0	20	Telemecanique (ZBZ-33, ZBZ-35), Eaton, GST-H 27x18 *	28041.0	178
PVC-TAP 6.4x27.3 WH	28355.7	White	560	6.4 x 27.3	56	Allen-Bradley	28041.0	715
PVC-TAP 6.4x27.3 GR	28355.6	Grey	560	6.4 x 27.3	56	Allen-Bradley	28041.0	715
PVC-TAP 16.3x27.3 WH	28356.7	White	600	16.3 x 27.3	24	Allen-Bradley	28041.0	716

* Refer to pages 35 – 37 for accessories to the GSU-H, GST-H and PS15 identification holders.

Device and installation markers PVC-TAP

The **PC-TAP** labelling markers are particularly versatile. They can be used for marking cables, hoses, buttons, machines, components, etc. There are suitable identification holders available for the various sizes of markers. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Colour variants	Transparent

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PVC-TAP-CCS 15x17	28147.7	Transparent	360	15.0 x 17.0	36	GSU-H 17x15 BK *	28041.0	165
PVC-TAP-CCS 15x27	28148.7	Transparent	600	15.0 x 27.0	24	GSU-H 27x15 BK *	28041.0	166
PVC-TAP-CCS 17.5x27.8	28149.7	Transparent	600	17.5 x 27.8	24	GST-H 27x18 *	28041.0	175
PVC-TAP-CCS 15x49	28150.7	Transparent	300	15.0 x 49.0	12	GSU-H 49x15 BK *	28041.0	167
PVC-TAP-CCS 15x67	28151.7	Transparent	150	15.0 x 67.0	6	GSU-H 67x15 BK *	28041.0	168

* Refer to pages 35 – 37 for accessories to the GSU-H and GST-H identification holders.

Device and installation markers PVC-PTS...

The **PVC-PTS** labelling markers are used for labelling operating elements with an inner diameter of 22.5 mm and 31 mm.

The **PVC-PTS** are pre-stamped and can be mounted directly under the operating element. The **PVC-PTSA** variant is self-adhesive. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.

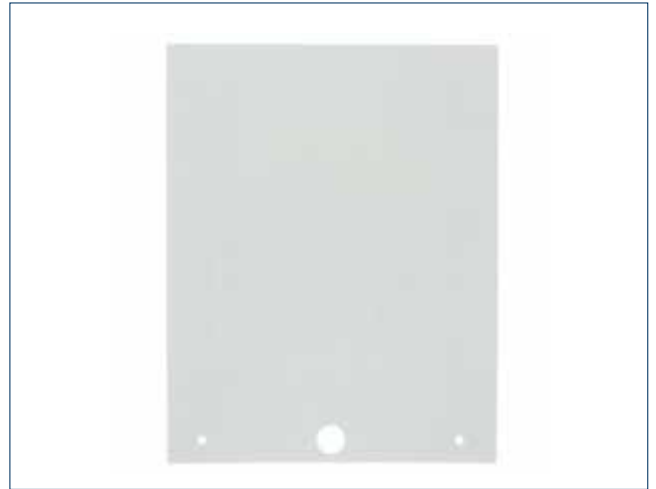


Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Colour variants	Grey, white, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Markers per card	Hole diameter, mm	Application	Cat. no. Inlay	SW Code
PVC-PTS 39x30 WH	28152.7	White	150	39 x 30	6	22.5	Under operating element	28041.0	1002
PVC-PTS 39x30 YE	28152.8	Yellow	150	39 x 30	6	22.5	Under operating element	28041.0	1002
PVC-PTS 39x30 GR	28152.6	Grey	150	39 x 30	6	22.5	Under operating element	28041.0	1002
PVC-PTS 40x30 WH	28153.7	White	150	40 x 30	6	22.5	Under operating element	28041.0	1000
PVC-PTS 40x30 YE	28153.8	Yellow	150	40 x 30	6	22.5	Under operating element	28041.0	1000
PVC-PTS 40x30 GR	28153.6	Grey	150	40 x 30	6	22.5	Under operating element	28041.0	1000
PVC-PTS 50x30 WH	28154.7	White	150	50 x 30	6	22.5	Under operating element	28041.0	1001
PVC-PTS 50x30 YE	28154.8	Yellow	150	50 x 30	6	22.5	Under operating element	28041.0	1001
PVC-PTS 50x30 GR	28154.6	Grey	150	50 x 30	6	22.5	Under operating element	28041.0	1001
PVC-PTSA 40x30 K WH	28155.7	White	60	40 x 30	6	22.5	self-adhesive	28041.0	1000
PVC-PTSA 40x30 K YE	28155.8	Yellow	60	40 x 30	6	22.5	self-adhesive	28041.0	1000
PVC-PTSA 40x30 K GR	28155.6	Grey	60	40 x 30	6	22.5	self-adhesive	28041.0	1000
PVC-PTSA 50x30 K WH	28156.7	White	60	50 x 30	6	22.5	self-adhesive	28041.0	1001
PVC-PTSA 50x30 K YE	28156.8	Yellow	60	50 x 30	6	22.5	self-adhesive	28041.0	1001
PVC-PTSA 50x30 K GR	28156.6	Grey	60	50 x 30	6	22.5	self-adhesive	28041.0	1001
PVC-PTS 60x62 WH	28157.7	White	100	60 x 62	4	31.0	Under operating element	28041.0	1003
PVC-PTS 60x62 YE	28157.8	Yellow	100	60 x 62	4	31.0	Under operating element	28041.0	1003
PVC-PTS 60x62 GR	28157.6	Grey	100	60 x 62	4	31.0	Under operating element	28041.0	1003
PVC-PTSA 60x40 K WH	28158.7	White	40	60 x 40	4	31.0	self-adhesive	28041.0	1005
PVC-PTSA 60x62 K WH	28159.7	White	40	60 x 62	4	31.0	self-adhesive	28041.0	1003
PVC-PTSA 60x62 K YE	28159.8	Yellow	40	60 x 62	4	31.0	self-adhesive	28041.0	1003
PVC-PTSA 60x62 K GR	28159.6	Grey	40	60 x 62	4	31.0	self-adhesive	28041.0	1003

Device and installation markers PVC-TAPW

The **PVC-TAPW** labelling markers are particularly versatile. They can be used to label cables, hoses, buttons, machinery and components. The **PVC-TAPW** may be used with the transparent marking holder or with the **PS 9** labelling profile. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



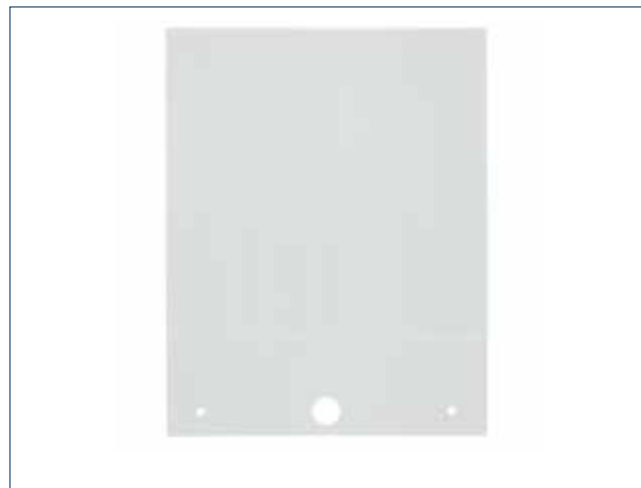
Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Colour variants	White, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PVC-TAPW 9x12 WH	28160.7	White	880	9 x 12	88	PS 9 Profile *	28041.0	360
PVC-TAPW 9x12 YE	28160.8	Yellow	880	9 x 12	88	PS 9 Profile *	28041.0	360
PVC-TAPW 9x15 WH	28161.7	White	770	9 x 15	77	PS 9 Profile *	28041.0	361
PVC-TAPW 9x15 YE	28161.8	Yellow	770	9 x 15	77	PS 9 Profile *	28041.0	361
PVC-TAPW 9x20 WH	28162.7	White	1375	9 x 20	55	PS 9 Profile *	28041.0	362
PVC-TAPW 9x20 YE	28162.8	Yellow	1375	9 x 20	55	PS 9 Profile *	28041.0	362
PVC-TAPW 9x29 WH	28163.7	White	750	9 x 29	30	PS 9 Profile *	28041.0	363
PVC-TAPW 9x29 YE	28163.8	Yellow	750	9 x 29	30	PS 9 Profile *	28041.0	363
PVC-TAPW 9x35 WH	28164.7	White	825	9 x 35	33	PS 9 Profile *	28041.0	364
PVC-TAPW 9x35 YE	28164.8	Yellow	825	9 x 35	33	PS 9 Profile *	28041.0	364

* Refer to page 37 for accessories to the marking profiles PS 9

Device and installation markers PVC-TAA

The **PVC-TAA** labelling markers are particularly versatile. They can be used to label cables, hoses, buttons, machinery and components. The back of the labelling marker is self-adhesive. The blank cards can be easily labelled using the **TPPCard** thermal-transfer printer.



Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Colour variants	Grey, white, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PVC-TAA 7x20 K WH	28165.7	White	600	7 x 20	60	Siemens Sirius, self-adhesive	28041.0	179
PVC-TAA 7x20 K YE	28165.8	Yellow	600	7 x 20	60	Siemens Sirius, self-adhesive	28041.0	179
PVC-TAA 7x20 K GR	28165.6	Grey	600	7 x 20	60	Siemens Sirius, self-adhesive	28041.0	179
PVC-TAA 8x12 K WH	28166.7	White	960	8 x 12	96	self-adhesive	28041.0	723
PVC-TAA 8x12 K YE	28166.8	White	960	8 x 12	96	self-adhesive	28041.0	723
PVC-TAA 8x12 K GR	28166.6	Yellow	960	8 x 12	96	self-adhesive	28041.0	723
PVC-TAA 8x17 K WH	28167.7	White	720	8 x 17	72	Telemecanique, self-adhesive	28041.0	724
PVC-TAA 8x17 K YE	28167.8	Yellow	720	8 x 17	72	Telemecanique, self-adhesive	28041.0	724
PVC-TAA 8.5x30 K WH	28168.7	White	330	8.5 x 30	33	ABB SNK LH, self-adhesive	28041.0	720
PVC-TAA 8.5x30 K YE	28168.8	Yellow	330	8.5 x 30	33	ABB SNK LH, self-adhesive	28041.0	720
PVC-TAA 9x12 K WH	28169.7	White	880	9 x 12	88	self-adhesive	28041.0	960
PVC-TAA 9x12 K YE	28169.8	Yellow	880	9 x 12	88	self-adhesive	28041.0	960
PVC-TAA 9x12 K GR	28169.6	Grey	880	9 x 12	88	self-adhesive	28041.0	960
PVC-TAA 9x15 K WH	28170.7	White	770	9 x 15	77	self-adhesive	28041.0	961
PVC-TAA 9x15 K YE	28170.8	Yellow	770	9 x 15	77	self-adhesive	28041.0	961
PVC-TAA 9x15 K GR	28170.6	Grey	770	9 x 15	77	self-adhesive	28041.0	961
PVC-TAA 9x20 K WH	28171.7	White	550	9 x 20	55	Siemens Sirius, self-adhesive	28041.0	962
PVC-TAA 9x20 K YE	28171.8	Yellow	550	9 x 20	55	Siemens Sirius, self-adhesive	28041.0	962
PVC-TAA 9x20 K GR	28171.6	Grey	550	9 x 20	55	Siemens Sirius, self-adhesive	28041.0	962
PVC-TAA 9x35 K WH	28172.7	White	330	9 x 35	33	self-adhesive	28041.0	964
PVC-TAA 9x35 K YE	28172.8	Yellow	330	9 x 35	33	self-adhesive	28041.0	964
PVC-TAA 9x35 K GR	28172.6	Grey	330	9 x 35	33	self-adhesive	28041.0	964
PVC-TAA 9x50 K WH	28173.7	White	200	9 x 50	20	self-adhesive	28041.0	976
PVC-TAA 9x50 K YE	28173.8	Yellow	200	9 x 50	20	self-adhesive	28041.0	976
PVC-TAA 9x50 K GR	28173.6	Grey	200	9 x 50	20	self-adhesive	28041.0	976
PVC-TAA 10x105 K WH	28174.7	White	100	10 x 105	10	self-adhesive	28041.0	530
PVC-TAA 10x105 K YE	28174.8	Yellow	100	10 x 105	10	self-adhesive	28041.0	530
PVC-TAA 15x17 K WH	28175.7	White	420	15 x 17	42	self-adhesive	28041.0	965
PVC-TAA 15x17 K YE	28175.8	Yellow	420	15 x 17	42	self-adhesive	28041.0	965
PVC-TAA 15x17 K GR	28175.6	Grey	420	15 x 17	42	self-adhesive	28041.0	965
PVC-TAA 15x27 K WH	28176.7	White	280	15 x 27	28	self-adhesive	28041.0	966
PVC-TAA 15x27 K YE	28176.8	Yellow	280	15 x 27	28	self-adhesive	28041.0	966
PVC-TAA 15x27 K GR	28176.6	Grey	280	15 x 27	28	self-adhesive	28041.0	966
PVC-TAA 15x44 K WH	28177.7	White	120	15 x 44	12	self-adhesive	28041.0	854
PVC-TAA 15x44 K YE	28177.8	Yellow	120	15 x 44	12	self-adhesive	28041.0	854
PVC-TAA 15x44 K GR	28177.6	Grey	120	15 x 44	12	self-adhesive	28041.0	854

Device and installation markers PVC-TAA



Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PVC-TAA 15x49 K WH	28178.7	White	140	15.0 x 49.0	14	self-adhesive	28041.0	967
PVC-TAA 15x49 K YE	28178.8	Yellow	140	15.0 x 49.0	14	self-adhesive	28041.0	967
PVC-TAA 15x49 K GR	28178.6	Grey	140	15.0 x 49.0	14	self-adhesive	28041.0	967
PVC-TAA 15x67 K WH	28179.7	White	70	15.0 x 67.0	7	self-adhesive	28041.0	968
PVC-TAA 15x67 K YE	28179.8	Yellow	70	15.0 x 67.0	7	self-adhesive	28041.0	968
PVC-TAA 15x67 K GR	28179.6	Grey	70	15.0 x 67.0	7	self-adhesive	28041.0	968
PVC-TAA 17x32 K WH	28180.7	White	180	17.0 x 32.0	18	self-adhesive	28041.0	710
PVC-TAA 17x32 K YE	28180.8	Yellow	180	17.0 x 32.0	18	self-adhesive	28041.0	710
PVC-TAA 17x35 K WH	28181.7	White	180	17.0 x 35.0	18	ABB SNK LH-R1, self-adhesive	28041.0	711
PVC-TAA 17x35 K YE	28181.8	Yellow	180	17.0 x 35.0	18	ABB SNK LH-R1, self-adhesive	28041.0	711
PVC-TAA 17x35 K GR	28181.6	Grey	180	17.0 x 35.0	18	ABB SNK LH-R1, self-adhesive	28041.0	711
PVC-TAA 17x44 K WH	28182.7	White	120	17.0 x 44.0	12	self-adhesive	28041.0	717
PVC-TAA 17x44 K YE	28182.8	Yellow	120	17.0 x 44.0	12	self-adhesive	28041.0	717
PVC-TAA 17x44 K GR	28182.6	Grey	120	17.0 x 44.0	12	self-adhesive	28041.0	717
PVC-TAA 17.5x27.8 K GR	28230.6	Grey	240	17.5 x 27.8	24	self-adhesive	28041.0	175
PVC-TAA 20x40 K WH	28183.7	White	100	20.0 x 40.0	10	self-adhesive	28041.0	803
PVC-TAA 20x40 K YE	28183.8	Yellow	100	20.0 x 40.0	10	self-adhesive	28041.0	803
PVC-TAA 20x40 K GR	28183.6	Grey	100	20.0 x 40.0	10	self-adhesive	28041.0	803
PVC-TAA 20x48 K WH	28184.7	White	100	20.0 x 48.0	10	self-adhesive	28041.0	850
PVC-TAA 20x48 K YE	28184.8	Yellow	100	20.0 x 48.0	10	self-adhesive	28041.0	850
PVC-TAA 20x48 K GR	28184.6	Grey	100	20.0 x 48.0	10	self-adhesive	28041.0	850
PVC-TAA 20x72 K WH	28185.7	White	50	20.0 x 72.0	5	self-adhesive	28041.0	851
PVC-TAA 20x72 K YE	28185.8	Yellow	50	20.0 x 72.0	5	self-adhesive	28041.0	851
PVC-TAA 20x72 K GR	28185.6	Grey	50	20.0 x 72.0	5	self-adhesive	28041.0	851
PVC-TAA 20x96 K WH	28186.7	White	50	20.0 x 96.0	5	self-adhesive	28041.0	852
PVC-TAA 20x96 K YE	28186.8	Yellow	50	20.0 x 96.0	5	self-adhesive	28041.0	852
PVC-TAA 20x96 K GR	28186.6	Grey	50	20.0 x 96.0	5	self-adhesive	28041.0	852
PVC-TAA 18x27 K WH	28187.7	White	200	18.0 x 27.0	20	Telemecanique ZBZ 33 / ZBZ-35	28041.0	178
PVC-TAA 18x27 K YE	28187.8	Yellow	200	18.0 x 27.0	20	Telemecanique ZBZ 33 / ZBZ-35	28041.0	178
PVC-TAA 18x27 K GR	28187.6	Grey	200	18.0 x 27.0	20	Telemecanique ZBZ 33 / ZBZ-35	28041.0	178
PVC-TAA 12x26 K WH	28188.7	White	140	12.0 x 26.0	15	Siemens 3SB3923-0AV / 3SB3943-0AX	28041.0	862
PVC-TAA 12x26 K GR	28188.6	Yellow	140	12.0 x 26.0	15	Siemens 3SB3923-0AV / 3SB3943-0AX	28041.0	862
PVC-TAA 22x22 K WH	28189.7	White	120	22.0 x 22.0	12	Siemens 3SB3923-0AV / 3SB3943-0AX	28041.0	866
PVC-TAA 22x22 K GR	28189.6	Grey	120	22.0 x 22.0	12	Siemens 3SB3923-0AV and 3SB3943-0AX	28041.0	866
PVC-TAA 27x27 K WH	28190.7	White	90	27.0 x 27.0	9	Siemens 3SB3923-0AV and 3SB3943-0AX	28041.0	863
PVC-TAA 27x27 K GR	28190.6	Grey	90	27.0 x 27.0	9	Siemens 3SB3923-0AV and 3SB3943-0AX	28041.0	863
PVC-TAA 21x21 K WH	28360.7	White	250	21.0 x 21.0	25	Siemens 3SB3923-0AV and 3SB3943-0AX	28041.0	956
PVC-TAA 21x21 K GR	28360.6	Grey	250	21.0 x 21.0	25	Siemens 3SB3923-0AV and 3SB3943-0AX	28041.0	956

Device and installation markers PVC-PLC

The **PVC-PLC** markers are used to label Siemens PLC controllers. The **PVC PLC** provides a quick and clear solution for labelling Siemens I/O cards. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Colour variants	Cyan, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Material thickness mm	Cat. no. Inlay	SW Code
PVC-PLC 12.7x31 CY	28336.0	Cyan	525	12.7 x 31.0	21	0.3	28041.0	900
PVC-PLC 12.7x31 YE	28336.8	Yellow	525	12.7 x 31.0	21	0.3	28041.0	900
PVC-PLC 12.7x50 CY	28337.0	Cyan	350	12.7 x 50.0	14	0.3	28041.0	885
PVC-PLC 12.7x103.5 CY	28338.0	Cyan	150	12.7 x 103.5	6	0.5	28041.0	882
PVC-PLC 22.75x103.5 CY	28339.0	Cyan	100	22.75 x 103.5	4	0.5	28041.0	883
PVC-PLC 22.75x109 CY	28340.0	Cyan	100	22.75 x 109.0	4	0.5	28041.0	896
PVC-PLC 22.75x109 YE	28340.8	Yellow	100	22.75 x 109.0	4	0.5	28041.0	896
PVC-PLC 52x80 CY	28341.0	Cyan	50	52.0 x 80.0	2	0.3	28041.0	899

Device and installation markers PVC-VRT-R

The non-adhesive **PVC-VRT-R** markers are made from rigid PVC. They are used for making custom markers (e.g. containing the company logo, technical data, identification numbers, or CE certifications). The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Material thickness	0.5 mm
Colour variants	Grey, white, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PVC-VRT-R 32x58 WH	28191.7	White	150	32 x 58	6	Non-adhesive	28041.0	200
PVC-VRT-R 32x58 YE	28191.8	Yellow	150	32 x 58	6	Non-adhesive	28041.0	200
PVC-VRT-R 32x58 GR	28191.6	Grey	150	32 x 58	6	Non-adhesive	28041.0	200
PVC-VRT-R 42x78 WH	28192.7	White	50	42 x 78	2	Non-adhesive	28041.0	202
PVC-VRT-R 42x78 YE	28192.8	Yellow	50	42 x 78	2	Non-adhesive	28041.0	202
PVC-VRT-R 42x78 GR	28192.6	Grey	50	42 x 78	2	Non-adhesive	28041.0	202
PVC-VRT-R 52x107 WH	28193.7	White	50	52 x 107	2	Non-adhesive	28041.0	204
PVC-VRT-R 52x107 YE	28193.8	Yellow	50	52 x 107	2	Non-adhesive	28041.0	204
PVC-VRT-R 52x107 GR	28193.6	Grey	50	52 x 107	2	Non-adhesive	28041.0	204
PVC-VRT-R 62x88 WH	28194.7	White	25	62 x 88	1	Non-adhesive	28041.0	203
PVC-VRT-R 62x88 YE	28194.8	Yellow	25	62 x 88	1	Non-adhesive	28041.0	203
PVC-VRT-R 62x88 GR	28194.6	Grey	25	62 x 88	1	Non-adhesive	28041.0	203
PVC-VRT-R 92x118 WH	28195.7	White	25	92 x 118	1	Non-adhesive	28041.0	813
PVC-VRT-R 92x118 YE	28195.8	Yellow	25	92 x 118	1	Non-adhesive	28041.0	813
PVC-VRT-R 92x118 GR	28195.6	Grey	25	92 x 118	1	Non-adhesive	28041.0	813
PVC-VRT-R 35x100 WH	28196.7	White	30	35 x 100	3	Non-adhesive	28041.0	810
PVC-VRT-R 35x100 YE	28196.8	Yellow	30	35 x 100	3	Non-adhesive	28041.0	810
PVC-VRT-R 35x100 GR	28196.6	Grey	30	35 x 100	3	Non-adhesive	28041.0	810
PVC-VRT-R 50x100 WH	28197.7	White	50	50 x 100	2	Non-adhesive	28041.0	844
PVC-VRT-R 102x138 WH	28198.7	White	25	102 x 138	1	Non-adhesive	28041.0	207
PVC-VRT-R 102x138 YE	28198.8	Yellow	25	102 x 138	1	Non-adhesive	28041.0	207
PVC-VRT-R 102x138 GR	28198.6	Grey	25	102 x 138	1	Non-adhesive	28041.0	207

Device and installation markers PVC-VRT-A

The self-adhesive **PVC-VRT-A** markers are made from rigid PVC. They are used for making custom markers (e.g. containing the company logo, technical data, identification numbers, or CE labels).

The back is self-adhesive; these markers can be attached to all facility components. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Material thickness	0.9 mm
Colour variants	Grey, white, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Marker per card	Application	Cat. no. Inlay	SW Code
PVC-VRT-A 25x50 WH	28215.7	White	80	25 x 50	8	self-adhesive	28041.0	853
PVC-VRT-A 25x50 YE	28215.8	Yellow	80	25 x 50	8	self-adhesive	28041.0	853
PVC-VRT-A 25x50 GR	28215.6	Grey	80	25 x 50	8	self-adhesive	28041.0	853
PVC-VRT-A 25x80 WH	28216.7	White	40	25 x 80	4	self-adhesive	28041.0	861
PVC-VRT-A 25x80 YE	28216.8	Yellow	40	25 x 80	4	self-adhesive	28041.0	861
PVC-VRT-A 25x100 WH	28217.7	White	40	25 x 100	4	self-adhesive	28041.0	205
PVC-VRT-A 25x100 YE	28217.8	Yellow	40	25 x 100	4	self-adhesive	28041.0	205
PVC-VRT-A 32x58 WH	28218.7	White	60	32 x 58	6	self-adhesive	28041.0	200
PVC-VRT-A 32x58 YE	28218.8	Yellow	60	32 x 58	6	self-adhesive	28041.0	200
PVC-VRT-A 32x58 GR	28218.6	Grey	60	32 x 58	6	self-adhesive	28041.0	200
PVC-VRT-A 35x75 WH	28219.7	White	30	35 x 75	3	self-adhesive	28041.0	825
PVC-VRT-A 35x75 YE	28219.8	Gel	30	35 x 75	3	self-adhesive	28041.0	825
PVC-VRT-A 35x100 WH	28220.7	White	30	35 x 100	3	self-adhesive	28041.0	810
PVC-VRT-A 35x100 YE	28220.8	Yellow	30	35 x 100	3	self-adhesive	28041.0	810
PVC-VRT-A 35x100 GR	28220.6	Grey	30	35 x 100	3	self-adhesive	28041.0	810
PVC-VRT-A 42x78 WH	28221.7	White	20	42 x 78	2	self-adhesive	28041.0	202
PVC-VRT-A 42x78 YE	28221.8	Yellow	20	42 x 78	2	self-adhesive	28041.0	202
PVC-VRT-A 42x78 GR	28221.6	Grey	20	42 x 78	2	self-adhesive	28041.0	202
PVC-VRT-A 50x50 WH	28222.7	White	40	50 x 50	4	self-adhesive	28041.0	858
PVC-VRT-A 50x50 YE	28222.8	Yellow	40	50 x 50	4	self-adhesive	28041.0	858
PVC-VRT-A 52x107 WH	28223.7	White	20	52 x 107	2	self-adhesive	28041.0	204
PVC-VRT-A 52x107 YE	28223.8	Yellow	20	52 x 107	2	self-adhesive	28041.0	204
PVC-VRT-A 52x107 GR	28223.6	Grey	20	52 x 107	2	self-adhesive	28041.0	204
PVC-VRT-A 62x88 WH	28224.7	White	10	62 x 88	1	self-adhesive	28041.0	203
PVC-VRT-A 62x88 YE	28224.8	Yellow	10	62 x 88	1	self-adhesive	28041.0	203
PVC-VRT-A 62x88 GR	28224.6	Grey	10	62 x 88	1	self-adhesive	28041.0	203
PVC-VRT-A 92x118 WH	28225.7	White	10	92 x 118	1	self-adhesive	28041.0	813
PVC-VRT-A 92x118 YE	28225.8	Yellow	10	92 x 118	1	self-adhesive	28041.0	813
PVC-VRT-A 92x118 GR	28225.6	Grey	10	92 x 118	1	self-adhesive	28041.0	813
PVC-VRT-A 105x110 WH	28226.7	White	10	105 x 110	1	self-adhesive	28041.0	812
PVC-VRT-A 105x110 YE	28226.8	Yellow	10	105 x 110	1	self-adhesive	28041.0	812
PVC-VRT-A 105x110 GR	28226.6	Grey	10	105 x 110	1	self-adhesive	28041.0	812
PVC-VRT-A 25x140 WH	28227.7	White	50	25 x 140	1	self-adhesive	28041.0	824
PVC-VRT-A 40x138 WH	28228.7	White	20	40 x 138	1	self-adhesive	28041.0	822
PVC-VRT-A 102x138 WH	28229.7	White	10	102 x 138	1	self-adhesive	28041.0	207
PVC-VRT-A 102x138 YE	28229.8	Yellow	10	102 x 138	1	self-adhesive	28041.0	207
PVC-VRT-A 102x138 GR	28229.6	Grey	10	102 x 138	1	self-adhesive	28041.0	207

Device and installation markers PVC-VRT-RH

The **PVC-VRT-RH** markers have holes and are made from rigid PVC. They are used for making custom ratings plates (e.g. containing the company logo, technical data, identification numbers, or CE labels). The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Material thickness	0.9 mm
Attachment holes	4 mm
Colour variants	Grey, white, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Markers per card	Hole	Order no. of inlay	SW Code
PVC-VRT-RH 15x52 WH	28199.7	White	140	15 x 52	14	2	28041.0	831
PVC-VRT-RH 15x80 WH	28200.7	White	70	15 x 80	7	2	28041.0	828
PVC-VRT-RH 15x80 YE	28200.8	Yellow	71	15 x 80	7	2	28041.0	828
PVC-VRT-RH 25x50 WH	28201.7	White	80	25 x 50	8	2	28041.0	860
PVC-VRT-RH 25x50 YE	28201.8	Yellow	80	25 x 50	8	2	28041.0	860
PVC-VRT-RH 25x50 GR	28201.6	Grey	80	25 x 50	8	2	28041.0	860
PVC-VRT-RH 25x75 WH	28202.7	White	40	25 x 75	4	2	28041.0	809
PVC-VRT-RH 25x75 YE	28202.8	Yellow	40	25 x 75	4	2	28041.0	809
PVC-VRT-RH 25x80 WH	28203.7	White	40	25 x 80	4	2	28041.0	832
PVC-VRT-RH 25x100 WH	28204.7	White	100	25 x 100	4	2	28041.0	206
PVC-VRT-RH 25x100 YE	28204.8	Yellow	100	25 x 100	4	2	28041.0	206
PVC-VRT-RH 35x50 WH	28205.7	White	60	35 x 50	6	2	28041.0	833
PVC-VRT-RH 35x80 WH	28206.7	White	30	35 x 80	3	2	28041.0	827
PVC-VRT-RH 35x80 YE	28206.8	Yellow	30	35 x 80	3	2	28041.0	827
PVC-VRT-RH 35x100 WH	28207.7	White	30	35 x 100	3	2	28041.0	818
PVC-VRT-RH 35x100 YE	28207.8	Yellow	30	35 x 100	3	2	28041.0	818
PVC-VRT-RH 50x100 WH	28208.7	White	20	50 x 100	2	4	28041.0	811
PVC-VRT-RH 50x100 YE	28208.8	Yellow	20	50 x 100	2	4	28041.0	811
PVC-VRT-RH 50x100 GR	28208.6	Grey	20	50 x 100	2	4	28041.0	811
PVC-VRT-RH 75x120 WH	28209.7	White	25	75 x 120	1	4	28041.0	816
PVC-VRT-RH 75x120 YE	28209.8	Yellow	25	75 x 120	1	4	28041.0	816
PVC-VRT-RH 105x110 WH	28210.7	White	10	105 x 110	1	4	28041.0	859
PVC-VRT-RH 105x110 YE	28210.8	Yellow	10	105 x 110	1	4	28041.0	859
PVC-VRT-RH 105x110 GR	28210.6	Grey	10	105 x 110	1	4	28041.0	859
PVC-VRT-RH 29x140 WH	28211.7	White	30	29 x 140	3	2	28041.0	834
PVC-VRT-RH 35x142 WH	28212.7	White	30	35 x 142	3	2	28041.0	835
PVC-VRT-RH 50x140 WH	28213.7	White	50	50 x 140	2	4	28041.0	872
PVC-VRT-RH 82x142 WH	28214.7	White	25	82 x 142	1	4	28041.0	836

Device and installation markers PVC-VRT-AH

The **PVC-VRT-AH** markers are made from rigid PVC. They are used for making ratings plates (e.g. containing the company logo, technical data, identification numbers, or CE labels). They are easy to attach because of their adhesive back. The blank cards can be easily labelled using the **TTPCard** thermal-transfer printer.



Characteristics	
Material	PVC
Temperature range	-30 °C to +60 °C
Processing temperature	+10 °C to +40 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Material thickness	0.9 mm
Attachment holes	4 mm
Colour variants	White, yellow

Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Markers per card	Application	Hole for rivet/screw	Order no. of inlay	SW Code
PVC-VRT-AH 25x50 WH	28232.7	White	80	25 x 50	8	self-adhesive	2	28041.0	860
PVC-VRT-AH 25x75 WH	28233.7	White	40	25 x 75	4	self-adhesive	2	28041.0	809
PVC-VRT-AH 25x80 WH	28236.7	White	40	25 x 80	4	self-adhesive	2	28041.0	832
PVC-VRT-AH 25x100 WH	28235.7	White	40	25 x 100	4	self-adhesive	2	28041.0	206
PVC-VRT-AH 35x100 YE	28232.8	Yellow	30	35 x 100	3	self-adhesive	2	28041.0	818
PVC-VRT-AH 50x100 WH	28234.7	White	20	50 x 100	2	self-adhesive	4	28041.0	811

Cable marker sleeves KH-PVC

The **KH-PVC** cable marker sleeves, used in combination with the **PVC-TPMF** markers, enable cables to be labelled quickly and conveniently.

- The ferrule is easier to attach to the wire because of the special bellows shape of the cable marker sleeve.
- The combination of the **PVC-TPMF** and the **KH-PVC** cable marking sleeves guarantees that the labelling is protected from environmental influences.
- The oval-shaped pocket makes the labels easy to insert before or after installation.
- The elastic pocket both protects and secures the marker.
- Can be used for marking wires up to 240 mm².
- Available in four different lengths and seven wire diameters.



Characteristics	
Material	PVC
Temperature range	-40 °C to +80 °C
Flamm. class acc. to UL 94	V-0
Features	Contains no silicone, cadmium, lead or Teflon
Corresponding markers	PVC-TPMF, PC-TPMF-HF and MC ESS series

Type	Cat. no.	Colour	Qty.	Length, mm	Wire cross-section mm ² *	Diameter of outer insulation, mm
KH-PVC 0.5/12	28285.0	Transparent	2000	12	0.25 - 0.5	1.3 - 2.2
KH-PVC 0.5/15	28286.0	Transparent	2000	15	0.25 - 0.5	1.3 - 2.2
KH-PVC 0.5/20	28287.0	Transparent	1000	20	0.25 - 0.5	1.3 - 2.2
KH-PVC 0.5/30	28288.0	Transparent	1000	30	0.25 - 0.5	1.3 - 2.2
KH-PVC 2.5/12	28292.0	Transparent	1000	12	0.5 - 2.5	2 - 3.7
KH-PVC 2.5/15	28293.0	Transparent	1000	15	0.5 - 2.5	2 - 3.7
KH-PVC 2.5/20	28294.0	Transparent	1000	20	0.5 - 2.5	2 - 3.7
KH-PVC 2.5/30	28295.0	Transparent	1000	30	0.5 - 2.5	2 - 3.7
KH-PVC 4/12	28299.0	Transparent	1000	12	2.5 - 4.0	3.4 - 4.3
KH-PVC 4/15	28300.0	Transparent	1000	15	2.5 - 4.0	3.4 - 4.3
KH-PVC 4/20	28301.0	Transparent	500	20	2.5 - 4.0	3.4 - 4.3
KH-PVC 4/30	28302.0	Transparent	500	30	2.5 - 4.0	3.4 - 4.3
KH-PVC 10/12	28306.0	Transparent	500	12	4.0 - 10.0	4 - 6.3
KH-PVC 10/15	28307.0	Transparent	500	15	4.0 - 10.0	4 - 6.3
KH-PVC 10/20	28308.0	Transparent	500	20	4.0 - 10.0	4 - 6.3
KH-PVC 10/30	28309.0	Transparent	500	30	4.0 - 10.0	4 - 6.3
KH-PVC 25/12	28313.0	Transparent	500	12	10.0 - 25.0	6 - 10
KH-PVC 25/15	28314.0	Transparent	500	15	10.0 - 25.0	6 - 10
KH-PVC 25/20	28315.0	Transparent	500	20	10.0 - 25.0	6 - 10
KH-PVC 25/30	28316.0	Transparent	500	30	10.0 - 25.0	6 - 10
KH-PVC 70/12	28317.0	Transparent	250	12	25.0 - 70.0	9 - 15
KH-PVC 70/15	28318.0	Transparent	250	15	25.0 - 70.0	9 - 15
KH-PVC 70/20	28319.0	Transparent	250	20	25.0 - 70.0	9 - 15
KH-PVC 70/30	28320.0	Transparent	150	30	25.0 - 70.0	9 - 15
KH-PVC 240/12	28321.0	Transparent	125	12	70.0 - 240.0	14 - 26
KH-PVC 240/15	28322.0	Transparent	125	15	70.0 - 240.0	14 - 26
KH-PVC 240/20	28323.0	Transparent	50	20	70.0 - 240.0	14 - 26
KH-PVC 240/30	28324.0	Transparent	50	30	70.0 - 240.0	14 - 26

* This specified cross-section is a guideline. Wires with the same cross-section may have different outer diameters. Therefore, we recommend using the diameter as the reference value.

Cable marker sleeves KH-PVC-HF (halogen-free)

The halogen-free **KH-PVC-HF** cable marker sleeves, used in combination with the **PVC-TPMF-HF** markers, enable cables to be labelled quickly and conveniently.

- The sleeve is easier to attach to the wire because of the special bellows shape of the cable marker sleeve.
- The combination of the **PVC-TPMF-HF** and the **KH-PVC-HF** cable marking sleeves guarantees that the labelling is protected from environmental influences.
- Oval-shaped pocket makes the labels easy to insert before or after installation.
- The elastic pocket both protects and secures the marker.
- Can be used for marking wires up to 240 mm².
- Available in four different lengths and seven wire diameters.



Characteristics	
Material	EVA copolymer
Temperature range	-40 °C to +80 °C
Flamm. class acc. to UL 94	HB
Features	Contains no halogen, silicone, cadmium, lead or Teflon
Corresponding markers	PVC-TPMF, PC-TPMF-HF and MC ESS series

Type	Cat. no.	Colour	Qty.	Length, mm	Wire cross-section, mm ² *	Outer diameter of insulation, mm
KH-PVC-HF 0.5/12	28289.0	Transparent	2000	12	0.25 - 0.5	1.3 - 2.2
KH-PVC-HF 0.5/15	28290.0	Transparent	2000	15	0.25 - 0.5	1.3 - 2.2
KH-PVC-HF 0.5/20	28291.0	Transparent	1000	20	0.25 - 0.5	1.3 - 2.2
KH-PVC-HF 2.5/12	28296.0	Transparent	1000	12	0.5 - 2.5	2.0 - 3.7
KH-PVC-HF 2.5/15	28297.0	Transparent	1000	15	0.5 - 2.5	2.0 - 3.7
KH-PVC-HF 2.5/20	28298.0	Transparent	1000	20	0.5 - 2.5	2.0 - 3.7
KH-PVC-HF 4/12	28303.0	Transparent	1000	12	2.5 - 4.0	3.4 - 4.3
KH-PVC-HF 4/15	28304.0	Transparent	1000	15	2.5 - 4.0	3.4 - 4.3
KH-PVC-HF 4/20	28305.0	Transparent	500	20	2.5 - 4.0	3.4 - 4.3
KH-PVC-HF 10/12	28310.0	Transparent	500	12	4.0 - 10.0	4.0 - 6.3
KH-PVC-HF 10/15	28311.0	Transparent	500	15	4.0 - 10.0	4.0 - 6.3
KH-PVC-HF 10/20	28312.0	Transparent	500	20	4.0 - 10.0	4.0 - 6.3

* This specified cross-section is a guideline. Wires with the same cross-section may have different outer diameters. Therefore, we recommend using the diameter as the reference value.

Identification holder GSU-H

The identification holders for the **GSU-H** facility markers are used to label push-buttons and other components.

Labelling markers from the **PVC-TAP** series are quick and easy to snap into the **GSU-H** holders. They can then be attached using either rivets, screws or cable ties. The transparent **STR** protective strips provide extra protection for the labelling markers. They are placed over the markers after the markers are snapped into position.



Characteristics	GSU-H..	STR-MC-GSU..
Material	Polyamide	PVC
Temperature range	-40 °C to +105 °C	-30 °C to +60 °C
Flamm. class acc. to UL 94	V-2	B-1
Features	Halogen-free, silicone-free	Halogen-free
Corresponding markers	PVC-TAP and PVC-TAP-CCS series	

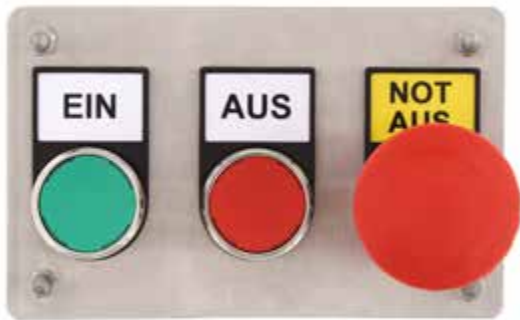
Type	Cat. no.	Colour	Qty.	Dimensions W x L, mm	Dimensions of marker, Attachment mm
GSU-H 17x15 BK	3827.4	Black	80	20.0 x 17.0	17.0 x 15.0 Screw (M3.5), cable tie (KB140)
GSU-H 17x15 BK	3828.4	Black	80	30.0 x 17.0	27.0 x 15.0 Screw (M3.5), cable tie (KB140)
GSU-H 49x15 BK	3829.4	Black	40	52.2 x 17.2	49.0 x 15.0 Screws (two M3.5), cable tie (KB140)
GSU-H 60x15 BK	3830.4	Black	40	63.2 x 17.2	60.0 x 15.0 Screws (two M3.5), cable tie (KB140)
GSU-H 67x15 BK *	28278.4 *	Black	100	70.0 x 17.0	67.0 x 15.0 Screws (two M3.5), cable tie (KB140)
GSU-H 60x30 BK	3850.4	Black	30	63.2 x 32.6	60.0 x 30.0 Screws (two M3.5), cable tie (KB140)
GSU-H 85.4x54 BK	3851.4	Black	30	88.6 x 56.6	85.4 x 54.0 Screws (two M5), cable tie (KB140)
Protective strips					
STR-MC-GSU 17x15 R	3860.0	Transparent	80	17.0 x 15.0	- Snaps into GSU-H
STR-MC-GSU 27x15 R	3861.0	Transparent	80	27.0 x 15.0	- Snaps into GSU-H
STR-MC-GSU 49x15 R	3862.0	Transparent	40	49.0 x 15.0	- Snaps into GSU-H
STR-MC-GSU 60x15 R	3863.0	Transparent	40	60.0 x 15.0	- Snaps into GSU-H
STR-MC-GSU 67x15 R	28325.4	Transparent	90	67.0 x 15.0	- Snaps into GSU-H
STR-MC-GSU 60x30 R	3864.0	Transparent	30	60.0 x 30.0	- Snaps into GSU-H
STR-MC-GSU 85.4x54 R	3865.0	Transparent	10	85.4 x 54.0	- Snaps into GSU-H

* Material GSU-H 67x15: Polycarbonate (-40 °C to +130 °C, UL94 V-0)

Identification holder GST-H

The identification holders for the **GST-H** facility markers are used to label push-buttons with diameters of 22.5 mm.

Labelling markers from the **PVC-TAP** series are quick and easy to snap into the **GST-H** holders.



Characteristics	
Material	Polyamide
Temperature range	-40 °C to +105 °C
Flamm. class acc. to UL 94	V-2
Features	Halogen-free, silicone-free
Corresponding markers	PVC-TAP series

Type	Cat. no.	Colour	Qty.	Dimensions of marker, mm	Corresponding Markers
GST-H 27x8 BK	9802.4	Black	40	27.0 x 8.0	PVC-TAP 8.2x27
GST-H 27x12.5 BK	9803.4	Black	40	27.0 x 12.5	-
GST-H 27x18 BK	9804.4	Black	40	27.0 x 18.0	PVC-TAP 18x27, PVC-TAP 17.5x27.8
GST-H 27x27 BK	9805.4	Black	40	27.0 x 27.0	-

Identification profiles PS9 and PS15

The **PS9** and **PS15** labelling profiles are a good alternative to direct marking on components. The **PS 9** is used to hold labelling markers from the **PVC-TAPW** series, with a width of 9 mm.

The **PS 15** is used to hold labelling markers from the **PVC-TAP** series, with a width of 15 mm. Individual self-adhesive profiles can be cut to size. The marker can then be quickly and easily snapped into the profile. The transparent **STR** protective strips and the transparent **AD-PS** covers provide extra protection for the labelling markers. They are placed over the markers after the markers are snapped into position.



Characteristics	
Material	PVC
Temperature range	+10 °C to +90 °C
Flamm. class acc. to UL 94	V-0
Features	Silicone-free
Corresponding markers	PVC-TAP and PVC-TAPW series

Type	Cat. no.	Colour	Qty.	Length, mm	Width of suitable marker, mm	Attachment
PS 15x430 K BK	28326.4	Black	25	430	15	self-adhesive
PS 15x650 K BK	28328.4	Black	25	650	15	self-adhesive
PS 15x1.000 K BK	28327.4	Black	25	1000	15	self-adhesive
Cover						
AD-PS 15x430	28279.0	Transparent	25	430	15	Snaps into PS
AD-PS 15x650	28281.0	Transparent	25	650	15	Snaps into PS
AD-PS 15x1.000	28280.0	Transparent	25	1000	15	Snaps into PS
Protective strips						
STR-PS 15x1.000	28282.0	Transparent	25	1000		Snaps into PS

Type	Cat. no.	Colour	Qty.	Length, mm	Width of suitable marker, mm	Attachment
PS 9x1.000 BK	28331.4	Black	25	1000	9	Screw
PS 9x1.000 K GR	28329.6	Grey	25	1000	9	self-adhesive
PS 9x1.000 K BK	28330.4	Black	25	1000	9	self-adhesive
Cover						
AD-PS 9x1.000	28283.0	Transparent	25	1000	9	Snaps into PS
Protective strips						
STR-PS 9x1.000	28284.0	Transparent	25	1000	9	Snaps into PS

Selection lists

Terminal markers for CONTA-CLIP terminal blocks

CONTA-CLIP										
Size, mm	3.5x5	5x5	5x10	5x10	5x12	6x5	6x12	8x5	8x12	10x12
Marker type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Terminal type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Screw terminals										
BKA 2.5	X	X								
BKA 4	X	X				X				
BKA 10	X	X				X		X		
DLI/DLIS	X	X				X				
FF 1/15	X	X				X				
FF 2.5	X	X				X				
IK	X	X								
IKD	X	X								
KBL 1.5-4	X	X				X				
KBL 2.5	X	X	X	X	X					
KBL 2.5-4	X	X	X	X	X	X	X			
KBL 6-10	X	X	X	X	X	X	X	X	X	
KBLD 2.5	X	X								
KBLD 4	X	X				X				
MAG	X	X				X				
NT 2.5-4	X	X				X				
NT 6-10	X	X				X				
PTK 10	X	X	X	X	X	X	X	X	X	
RK 1.5-4	X	X				X				
RK 2.5	X	X	X	X	X					
RK 2.5-4	X	X	X	X	X	X				
RK 6-10	X	X	X	X	X	X	X	X	X	
RK 16	X	X	X	X	X	X	X	X	X	X
RK 35	X	X	X	X	X	X	X	X	X	X
RK 50	X	X	X	X	X	X	X	X	X	X
RK 95	X	X	X	X	X	X	X	X	X	X
RK 150	X	X	X	X	X	X	X	X	X	X
RK 240	X	X	X	X	X	X	X	X	X	X
RKB 4	X	X				X				
RKD 2.5	X	X				X				
RKD 4	X	X				X				
RKDG 4.	X	X	X	X	X	X				
SDK 4	X	X	X	X	X	X				
SDK 10	X	X	X	X	X	X	X	X	X	
SDK 16	X	X	X	X	X	X	X	X	X	
SF 2.5-4	X	X	X	X	X	X				
SIK 10	X	X				X				
SK 1	X	X				X				
SL 2.5	X	X	X	X	X	X	X			
SL 4/15	X	X				X				
SL 4/35	X	X	X	X	X	X				
SL 10	X	X	X	X	X	X	X	X	X	
SL 16	X	X	X	X	X	X	X	X	X	
SL 35	X	X	X	X	X	X	X	X	X	

CONTA-CLIP										
Size, mm	3.5x5	5x5	5x10	5x10	5x12	6x5	6x12	8x5	8x12	10x12
Marker type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Terminal type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Screw terminals										
SLN 2.5	X	X				X				
SMAG	X	X				X				
SRK 2.5	X	X				X				
SRK 2,5/15	X	X				X				
SRK 2.5/2A	X	X	X	X	X					
SRK 4/2A	X	X	X	X	X	X	X			
SRK 6/2A	X	X	X	X	X	X	X	X	X	
SRK 10/2A	X	X	X	X	X	X	X	X	X	X
SRK 16/2A	X	X	X	X	X	X	X	X	X	X
SRK 35/2A	X	X	X	X	X	X	X	X	X	X
SRK 50/2A	X	X	X	X	X	X	X	X	X	X
SRK 70/2A	X	X	X	X	X	X	X	X	X	X
SRK 120/2A	X	X	X	X	X	X	X	X	X	X
SRKD 2.5	X	X	X	X	X					
SRKD 4	X	X	X	X	X	X	X			
SRKD 10	X	X	X	X	X	X	X	X	X	X
SPTK 6	X	X	X	X	X	X	X	X	X	
SSIK 4/2A	X	X	X	X	X	X	X			
SSIK 6/2A	X	X	X	X	X	X	X	X	X	
SSL 2.5/2A	X	X	X	X	X					
SSL 4/2A	X	X	X	X	X	X	X			
SSL 6/2A	X	X	X	X	X	X	X	X	X	
SSL 10/2A	X	X	X	X	X	X	X	X	X	X
SSL 16/2A	X	X	X	X	X	X	X	X	X	X
SSL 35/2A	X	X	X	X	X	X	X	X	X	X
SSL 50/2A	X	X	X	X	X	X	X	X	X	X
SSL 70/2A	X	X	X	X	X	X	X	X	X	X
SSLD 2.5	X	X	X	X	X					
SSLD 4	X	X	X	X	X	X	X			
SSLD 10	X	X	X	X	X	X	X	X	X	X
STKD 1	X	X	X			X				
STK 2	X	X	X			X				
STK 1	X	X	X			X				
TK 2	X	X				X				
TRK 1.5	X	X	X	X	X	X	X			
TSK 2.5	X	X	X	X	X	X	X			
VMAK 2.5	X	X				X				
Stud terminals										
HSK	X	X	X	X	X	X	X	X	X	X
HSKG	X	X	X	X	X	X	X	X	X	X

Selection lists

Terminal markers for CONTA-CLIP terminal blocks

CONTA-CLIP										
Size, mm	3.5x5	5x5	5x10	5x10	5x12	6x5	6x12	8x5	8x12	10x12
Marker type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Terminal type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Tension-spring terminals										
ZIKD 2.5	X	X								
ZIZA	X	X								
ZMP 1.5	X	X								
ZRK 2.5	X	X								
ZRK 4	X	X	X							
ZRK 6	X	X	X				X			
ZRK 10	X	X	X				X			
ZRK 16	X	X	X				X			
ZRKD 2.5	X	X								
ZRKS 2.5	X	X								
ZSL 2.5	X	X								
ZSL 4	X	X	X							
ZSL 6	X	X	X				X			
ZSL 10	X	X	X				X			
ZSL 16	X	X	X				X			
ZSLD 2.5	X	X								
ZSLN 2.5	X	X								
ZSRK 2.5	X	X								
ZST 2.5	X	X								
ZSTK 2.5	X	X								
ZTRK 2.5	X	X								
ZVMAK 2.5	X	X								
End stops										
EH 1	X	X								
EH 2-Z	X	X								
EH 4	X	X	X	X						
ES 15	X	X								
ES 32/35 Combi	X	X	X	X	X					
ES 35	X	X	X	X	X	X	X			
ES 35/2/K	X	X	X	X	X	X	X	X	X	
ES 35/K/ST	X	X	X	X	X	X	X	X	X	
ES 32	X	X	X	X	X	X	X	X	X	
ES 32/2/K	X	X	X	X	X	X	X	X	X	
ES 32/K/ST	X	X	X	X	X	X	X	X	X	
SES35	X	X	X	X	X	X	X	X	X	X
SHES 35	X	X	X	X	X	X	X	X	X	
SH/SAB	X	X	X	X	X	X	X	X	X	
ZEH 1	X	X	X	X	X					
ZES 15	X	X	X	X	X					
ZES 35	X	X	X	X	X	X	X			
ZES35/2	X	X	X	X	X					

CONTA-CLIP										
Size, mm	3.5x5	5x5	5x10	5x10	5x12	6x5	6x12	8x5	8x12	10x12
Marker type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Terminal type	PC-SB 3.5x5/56 WH (28350.7) PC-SB 5x5/48 WH (28342.7) PC-BSTR 5x10/48 MI WH (28352.7) PC-BSTR 5x10/48 WH (28346.7) PC-BSTR 5x12/48 WH (28345.7) PC-SB 6x5/40 WH (28343.7) PC-BSTR 6x12/40 WH (28344.7) PC-SB 8x5/32 WH (28347.7) PC-BSTR 8x12/32 WH (28348.7) PC-BSTR 10x12/24 WH (28349.7)									
Push-in terminals										
FDLI	X	X								
FDLIS	X	X								
FIK 2.5	X	X								
FRK 1.5	X									
FRK 2.5	X	X	X							
FRK 4	X	X	X			X				
FRKD 2.5	X	X	X		X					
FRKI 2.5-4	X	X				X				
FRKI 6-10	X	X				X		X		
FSIK 4	X	X				X				
FSL 1.5	X									
FSL 2.5	X	X	X							
FSL 4	X	X	X			X				
FSLD 2.5	X	X	X		X					
FSLI 2.5-4	X	X	X			X				
FSLI 6-10	X	X	X			X		X		
FTRK 2.5	X	X								
PRK 1.5	X									
PRK 2.5	X	X	X		X					
PRK 4	X	X	X		X	X	X			
PRK 6	X	X	X		X	X	X	X	X	
PRK 10	X	X	X		X	X	X	X	X	X
PRK 16	X	X	X		X	X	X	X	X	X
PSL 1.5	X									
PSL 2.5	X	X	X		X					
PSL 4	X	X	X		X	X	X			
PSL 6	X	X	X		X	X	X	X	X	
PSL 10	X	X	X		X	X	X	X	X	X
PSL 16	X	X	X		X	X	X	X	X	X
Marker holder										
SchT 4/8	X	X	X	X	X					
SchT 6/12	X	X	X	X	X					
SchT 12	X	X	X	X	X	X	X			
SchT 11	X	X	X	X	X					
ZBA 1	X	X	X	X	X					
ZBA 2	X	X	X	X	X					
ZBA 2/Z	X	X	X							
ZBA 2/Z/H	X	X	X							
ZBA 3	X	X	X	X	X					

Selection list of terminal markers for other manufacturers

ABB ENTRELEC										
Size, mm	5x10	5x15	5x7	5x10	5x10	5x10	6x10	8x10	5x10	4.2x9
Marker type	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PC-CPM-03 E 5x10 (28247.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-04 6x10 (28252.7)	PC-CPM-04 8x10 (28253.7)	PC-CPM-05 E 5x10 (28256.7)	PC-CPM-12 4.2x9 (28265.7)
Terminal type										
BAM 3									X	X
BADL						X				
CS-R1									X	X
D 2.5/5.D			X						X	
D2.5/5.1								X		
D 2.5/6.D	X	X	X	X				X	X	X
D 6/8	X	X	X	X				X	X	X
D2.5-5.2L	X	X	X	X				X	X	X
D2.5-SP.4L	X	X	X	X				X	X	X
D2.2.5/6.DA (RC65)	X	X	X	X				X	X	X
D4/6 LNTP				X						X
D4-6 2L				X						X
D4-6P.2L				X						X
D6-8 2L	X	X	X	X				X	X	X
D6-8P.2L	X	X	X	X				X	X	X
DR/6									X	
M 4/6...					X	X	X			
M 4/8...					X	X		X		
M 6/8...					X	X		X		
M 6/9...								X		
M 10/10...					X	X		X		
M 16/12...					X	X		X		
M 35/16...					X	X		X		
MA 2.5/5 (RC510)	X	X	X	X	X	X			X	
MA 2.5/SD2 (RC510)	X	X	X	X	X	X			X	
SNK series	PVC-CPMFA K 12x105 PVC white and yellow self-adhesive markers									
SNK series ZS									X	X
ZS4									X	X
ZS6									X	X
ZS10									X	X
ZS16									X	X
ZS35									X	X
ZS70									X	X
ZS95									X	X
ZS4-R1									X	X
ZS4-D2									X	X
ZS4-D1									X	X
ZS6-D2									X	X
ZS6-D1									X	X
ZS4-PE									X	X
ZS6-PE									X	X
ZS10-PE									X	X
ZS16-PE									X	X
ZS35-PE									X	X
ZS70-PE									X	X
ZS95-PE									X	X
ZS4-S									X	X

ABB ENTRELEC										
Size, mm	5x10	5x15	5x7	5x10	5x10	5x10	6x10	8x10	5x10	4.2x9
Marker type	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PC-CPM-03 E 5x10 (28247.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-04 6x10 (28252.7)	PC-CPM-04 8x10 (28253.7)	PC-CPM-05 E 5x10 (28256.7)	PC-CPM-12 4.2x9 (28265.7)
Terminal type										
ZS4-S-T2										X
ZS4-S-T2.3										X
ZS4-S-R1										X
ZS4-S-T2-R1										X
ZS4-S-T2.3-R1										X
ZS4-SP										X
ZS4-SP-T2										X
ZS4-SP-R1										X
ZS4-SP-T2-R1										X
ZS4-S-R2										X
ZS4-S-R3										X
ZS4-SF										X
ZS4-SF-T2										X
ZS4-SF-R1										X
ZS4-SF-R3										X
ZS4-SF-R2										X
ZS4-SF-R4										X
ZS4-SF1										X
ZS4-SF1-T2										X
ZS4-SF1-R1										X
ZS4-SF1-R3										X
ZS4-SF1-R2										X
ZS4-SF1-R4										X

Allen-Bradley										
Size, mm	5x10	5x15	5x7	5x10	6x12					
Marker type	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PC-CPM-11 E 6x12 (28262.7)					
Terminal type										
1492-JD3			X							
1492-JD4			X							
1492-W4TW			X							
1492-WTF3				X						
1492-WTS3				X						
1492-J3	X									
1492-J4					X					
1492-J4M					X					
1492-J5					X					
1492-J6		X								
1492-WFB4		X								
1492-K3				X						

Selection list of terminal markers for other manufacturers

ALLEN-BRADLEY										
Size, mm	5x10	5x15	5x7	5x10	6x12					
Marker type	PC-CPM-01 E 5x10 (28239.7) PC-CPM-01 E 5x15 (28240.7) PC-CPM-01 E 5x7 (28238.7) PC-CPM-02 E 5x10 (28245.7) PC-CPM-11 E 6x12 (28262.7)									
Terminal type										
1492- M					X					
1492 -SM					X					
BECKHOFF										
Size, mm	4.2x9									
Marker type	PC-CPM-12 4.2x9 (28265.7)									
Terminal type										
KL 9010	X									
CABUR										
Size, mm	5x10	5x10	5x10	6x10	5x12	4.2x9				
Marker type	PC-CPM-03 E 5x10 - (28247.7) PC-CPM-03 Z 5x10 (28351.7) PC-CPM-04 E 5x10 (28250.7) PC-CPM-04 6x10 (28252.7) PC-CPM-10 E 5x12 (28261.7) PC-CPM-12 4.2x9 (28265.7)									
Terminal type										
CBD.2/4	X	X	X	X						
CBD.4/6	X	X	X	X	X	X				
CBD.2/4/SH	X	X	X	X						
CBD.4/6/SH	X	X	X	X	X	X				
CBD.6/10	X	X	X	X						
CBD.10/6	X	X	X	X						
CBD. 16/25	X	X	X	X						
CBD. 35	X	X	X	X						
CBC.2/4	X	X	X	X						
CBC.4/6	X	X	X	X	X					
CBC 35/50	X	X	X							
DAS.4/6...DAS.4/6/SS	X	X	X							
DSS.4/6	X	X	X	X	X					
CBR.2/4	X	X	X	X						
FVS.4/6	X	X	X	X	X					
FFS.4/6	X	X	X	X	X					
TLS.2/4	X	X	X							
TLE.2/4	X	X	X							
TLD.2/4	X	X	X							
TDE.2/4	X	X	X							

CABUR										
Size, mm	5x10	5x10	5x10	6x10	5x12	4.2x9				
Marker type	PC-CPM-03 E 5x10 - (28247.7) PC-CPM-03 E 5x10 (28351.7) PC-CPM-04 E 5x10 (28250.7) PC-CPM-04 6x10 (28252.7) PC-CPM-10 E 5x12 (28261.7) PC-CPM-12 4.2x9 (28265.7)									
Terminal type										
PCE.4/6/...	X	X	X	X	X					
PCE.4/X...	X	X	X							
SFR.4/6...SFR.4/6/C230	X	X	X							
SFO.4/6...SFO.4/6/C230	X	X	X	X	X					
FPC.10/16	X	X	X							
FPL.10/16... FPL.10/16/C230	X	X	X							
SFR.4/D1A...SFR.4/D3A	X	X	X							
MPS.2/4/SW... MPS.2/4/SV	X	X	X							
MPS.4/6...MPS.4/6/V5	X	X	X							
SCB.4/6...SCB.&/10/CD	X	X	X							
AFO.2/1+1... AFO.2/2+2/TP	X	X	X							
PDF.2	X	X	X							
FDP.2	X	X	X							
CVF.4/6...CVF.4/6/TP	X	X	X							
TC/PO	X	X	X							
VPC.2/4	X	X	X							
VPD.2/	X	X	X							
GPM.95/BB... GPM.240/300/CC	X	X	X							
GPA.70...GPA.240	X	X	X							
ACB.70/BB... ACB.185/240/CC	X	X	X							
BCA.70/BB... BCA.120/185/CC	X	X	X							
MBL.50/6... MBL.150/12	X	X	X							
TEO.2/4	X	X	X							
TEO.4/6	X	X	X	X						
CBE.2/4	X	X	X	X						
TE.4/6/D...TE.50/D... TE.50/O	X	X	X							
RN.1/2.5										
RN.2/4	X	X	X	X						
RP.4/6	X	X	X							
RFL.2	X		X		X					
TR.2/4	X	X	X		X					
TR.4/6	X	X	X		X					
MAC.6/10... MAC.6/10/N	X		X		X					

Selection list of terminal markers for other manufacturers

CABUR						
Terminal type	Size, mm					
	5x10	5x10	5x10	6x10	5x12	4.2x9
Marker type	PC-CPM-03 E 5X10 (28247.7)	PC-CPM-03 E 5X10 (28351.7)	PC-CPM-04 E 5X10 (28250.7)	PC-CPM-04 6X10 (28252.7)	PC-CPM-10 E 5X12 (28261.7)	PC-CPM-12 4.2X9 (28265.7)
CAM...CAM/C	X	X	X			
NCS	X	X	X			
NCV	X	X	X			
CNT.6...CNT.35	X	X	X			
HMM.1/2.5... HMM.1/2.5/2+2					X	
HMM.2/4... HMM.6/10				X		
HTE.2/4...HTE.6/10				X		
HMD.2N...HMD.2/4				X	X	
HMS.2/4				X		
HMF.4/6...HMF.4/6/ L115				X		
EDM.2/4	X	X	X			
EDM.4/6... EDM.70/50/BC	X	X	X			
SV.2...SV.2/V5	X	X		P		
SV.4/6...SV.10/16	X	X	X			
CPS.4/6	X	X	X			
SCX.10/16...SCX .10/16-PI	X	X	X			
SFC.10/16	X	X	X			
SFL.10/16	X	X	X			
FLD.10/16/F5... FLD.10/16/D	X	X	X			
VLM.10/16... VLM.10/16/O	X	X	X			
VL.16...VL.16/O-M	X	X	X			
TC/DIN	X	X	X			
VNF.6/10...VNF.6/10/ STP	X	X	X			
CDA.70/BC... CDA.185/BB	X	X	X			
BTU	X	X	X			
BT/3	X	X	X			
BT/2	X	X	X			
BT/DIN/PO	X	X	X			

CONNECTWELL						
Terminal type	Size, mm					
	5x10	5x15	5x10	5x7	5x10	5x10
Marker type	PC-CPM-01 E 5X10 (28239.7)	PC-CPM-01 E 5X15 (28240.7)	PC-CPM-01 E 5X10 (28239.8)	PC-CPM-01 E 5X7 (28238.7)	PC-CPM-03 E 5X10 (28247.7)	PC-CPM-03 Z 5X10 (28351.7)
CDB4/2(1)					X	X
CMC2-2					X	X
CGT6N					X	X
CSCG10T					X	X
CGT16N					X	X
AS2.5/4					X	X
CTU4U					X	X
CTS6UCR					X	X
CTS4UN					X	X
CT25UCR					X	X
CMDB4/2					X	X
CSDL6U					X	X
CSC2.5T1-2					X	X
AS6					X	X
CT25U					X	X
CGT4UN					X	X
CGT10N					X	X
DDFL4UCLR24V					X	X
DDFL4UEL					X	X
CSC2.5T2-2					X	X
CTS10U					X	X
AS4/3					X	X
CTS10USC					X	X
AS2.5/3					X	X
CENC16					X	X
DDFL4U					X	X
CTS2.5UNCR					X	X
CDTTU					X	X
CSC4T1-2					X	X
CKT4U					X	X
CSC4T2-2					X	X
CSCG4T					X	X
CTS6U					X	X
CSC4T					X	X
CSCG2.5T					X	X
CSFL6U					X	X
CENC35					X	X
CGT10U					X	X
CSDL4U					X	X
CSC6T					X	X
CGT4U					X	X
AS4/4					X	X
AS4					X	X
CTS4UNCR					X	X
CTS6USC					X	X
STH4					X	X

Selection list of terminal markers for other manufacturers

CONNECTWELL										
Size, mm										
5x10										
5x15										
5x10										
5x7										
5x10										
5x10										
5x10										
5x10										
5x10										
5x12										
4.2x9										
Marker type										
PC-CPM-01 E 5X10 (28239.7)										
PC-CPM-01 E 5X15 (28240.7)										
PC-CPM-01 E 5X10 (28239.8)										
PC-CPM-01 E 5X7 (28238.7)										
PC-CPM-03 E 5X10 (28247.7)										
PC-CPM-03 Z 5X10 (28351.7)										
PC-CPM-04 E 5X10 -(28250.7)										
PC-CPM-04 E 5X10 (28250.8)										
PC-CPM-04 E 5X10 (28251.7)										
PC-CPM-10 E 5X12 (28261.7)										
PC-CPM-12 4.2X9 (28265.7)										
Terminal type										
CTS16U					X		X	X		
CSCG16T					X		X	X		
CSC6T1-2					X		X	X		
CSC2.5T					X	X	X	X	X	
ODL4U					X		X	X		
CMC1-2					X		X	X		
CDB6/2					X		X	X		
ODL4UA					X		X	X		
AS2.5					X	X	X	X	X	
ADL2.5					X	X	X	X	X	
CDB25/2					X		X	X		
CTS25U					X		X	X		
CDTTUSH					X		X	X		
CTS35UN					X		X	X		
CT35UCR					X		X	X		
CTS10UCR					X		X	X		
CMDB10/2					X		X	X		
CTS25UN					X		X	X		
CMDB6/2					X		X	X		
CGT35U					X		X	X		
CSC16T					X		X	X		
CTS95U	X	X	X	X					X	X
CSC10T					X		X	X		
CTS35U					X		X	X		
CTS16UCR					X		X	X		
CTS50U	X	X	X	X					X	X
CSFL4U					X		X	X		
STH4DT					X		X	X		
CDB10/2					X		X	X		
ASF4					X		X	X		
DDFL4UE24V					X		X	X		
CSFL4UL24V					X		X	X		
DDDL4U					X		X	X		
DDFL4ULR					X		X	X		
CTS4UNCR					X		X	X		
CTS2.5UN					X	X	X	X	X	
CMDB6/2					X		X	X		
CTS2.5M					X					X
CTS4SC					X					X
CTS6					X					X
CTS6SC					X					X
CTSSRN5					X					X
CTS10SC										X
CTS16					X					X
CTS10					X					X

LEGRAND										
Size, mm										
5x10										
Marker type										
PC-CPM-09 5x10 (28260.7)										
Terminal type										
Viking 3 series	X									
MORSETTITALIA										
Size, mm										
5x10										
4.2x6										
4.2x9										
Marker type										
PC-CPM-01 E 5X10 (28239.7)										
PC-CPM-12 4.2X6 (28264.7)										
PC-CPM-12 4.2X9 (28265.7)										
Terminal type										
EURO series	X	X	X							
PHOENIX CONTACT										
Size, mm										
5x10										
3x10										
5x10										
5x10										
6x10										
8x10										
5x10										
6.3x105										
Marker type										
PC-CPM-03 E 5X10 (28247.7)										
PC-CPM-04 E 3X10 (28249.7)										
PC-CPM-04 E 5X10 (28250.7)										
PC-CPM-04 5X10 (28251.7)										
PC-CPM-04 6X10 (28252.7)										
PC-CPM-04 8X10 (28253.7)										
PC-CPM-07 E 5X10 (28259.7)										
PVC-CPMF 6.3X105X0.5 (28270.7)										
Terminal type										
ASI IO SL DI 4/4	X		X						X	
ASI IO SL DIO 4/2/2	X		X						X	
ASI IO SL DIO 8/4/4	X		X						X	
ASI IO SL DO 4/4	X		X						X	
DFK ...	X		X		X				X	
DFK 4	X		X		X				X	
DFK 4 - PE	X		X		X				X	
DFK 4 - SI	X		X							
DIK 1.5	X	X	X							
DIK 1.5 - LA (RD)	X	X	X							
DIKD 1.5	X	X	X							
DIKD 1.5 - LA	X	X	X							
DIKD 1.5 - PV	X	X	X							
DLK 2.5 - PE	X		X							
DLKB 2.5 PE	X		X							
DOK 1.5 - 2D	X	X	X							
DOK 1.5 LA	X	X	X							
DOK 1.5 TG	X	X	X							

Selection list of terminal markers for other manufacturers

PHOENIX CONTACT										
Terminal type	Marker type									
	PC-CPM-03 E 5x10 (28247.7)	PC-CPM-04 E 3x10 (28249.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-04 5x10 (28251.7)	PC-CPM-04 6x10 (28252.7)	PC-CPM-04 8x10 (28253.7)	PC-CPM-07 E 5x10 (28259.7)	PVC-CPMF 6.3x105x0.5 (28270.7)		
Size, mm	5x10	3x10	5x10	5x10	6x10	8x10	5x10	6.3x105		
DOKD 1.5 - TG	x	x	x							
E - UK	x		x							
GBS 5-UK/B	x		x	x						
GTF 76/230	x		x							
IBIL ...	x		x							
K4 - SP	x		x	x						
MBK 3/ E - Z	x		x	x						
MBK 3/ E - Z -PE	x		x							
MBK 6 / E	x		x	x	x					
MBKKB 2.5	x		x	x						
MBKKB 2.5 - DIO	x		x	x						
MBKKB 2.5 - PV	x		x	x						
MBKKB 2.5 + V	x		x							
MBT 2.5	x		x							
MBT 2.5 PE	x		x							
MSLKG 6	x		x							
MTK - LOE	x		x	x	x					
MTK - P/P	x		x	x	x					
MTK - TP	x		x	x	x					
MTKD-...	x		x		x					
MITTB 1.5		x								
OTTA 2.5	x		x							
OTTA 2.5 PE	x		x							
OTTA 6	x		x		x					
OTTA 6 - PE	x		x		x					
OTTA 6 - T	x		x		x					
OTTA 25	x		x		x	x				
PIK 4 -L	x		x		x					
PIK 4 - L / L	x		x		x					
PIK 4 - L / LB	x		x		x					
PIK 4- PE / L / NT	x		x		x					
PIK 4 - PE / L / NTB	x		x		x					
PIK 4 PE / L / L	x		x		x					
PIK 4 PE / L / N	x		x		x					
PIK 6 - L / L	x		x		x					
PIK 6 - PE / L / L	x		x		x					
PIK 6 - PE / L / N	x		x		x					
PT 1.5/S		x								
PT2.5			x	x						
PLC RSC	x		x							
PLC BSC			x							
QT 1.5	x	x	x							
QT 1.5 TWIN	x		x							
QT 1.5-PE	x		x							
RTK	x		x		x	x				
SLKK 5	x		x		x	x				

PHOENIX CONTACT										
Terminal type	Marker type									
	PC-CPM-03 E 5x10 (28247.7)	PC-CPM-04 E 3x10 (28249.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-04 5x10 (28251.7)	PC-CPM-04 6x10 (28252.7)	PC-CPM-04 8x10 (28253.7)	PC-CPM-07 E 5x10 (28259.7)	PVC-CPMF 6.3x105x0.5 (28270.7)		
Size, mm	5x10	3x10	5x10	5x10	6x10	8x10	5x10	6.3x105		
SLKK 5 - LA	x		x		x	x				
SSK 0525 KER-EX	x		x		x	x				
SSK 110 KER-EX	x		x		x	x				
SSK 116 KER-EX	x		x		x	x				
ST.....	x	x	x	x	x	x	x	x		
STU.....	x	x	x	x	x	x	x	x		
STS...	x	x	x	x	x	x	x	x		
STI....	x	x	x	x	x	x	x	x		
STN...	x	x	x	x	x	x	x	x		
ST-BE				x						
STTB		x			x	x	x			
STTBS....		x			x	x	x			
TML...	x		x		x	x				
UDK 3	x		x	x						
UDK 3 - PE	x		x	x						
UDK 4	x		x		x					
UDK 4 - ILA	x		x		x					
UDK 4 - ULA	x		x		x					
UDK 4 MTK - P / P	x		x		x					
UDK 4 TG	x		x		x					
UDMTK 5 - P / P	x		x		x					
UDMTK 5 - TWIN - P/P	x		x		x					
UHSK / S 2000	x		x		x					
UHV 25	x		x		x					
UHV 50	x		x		x					
UHV 95	x		x		x					
UHV 150	x		x		x					
UHV 240	x		x		x					
UIK 16	x		x		x					
UIK 16 - PE / N	x		x		x					
UIK 35 - PE / N	x		x		x					
UIKN 35	x		x		x					
UISLKG 16	x		x		x					
UISLKG 35	x		x		x					
UK - FRONT 4	x		x		x					
UK - FRONT 4 - PE	x		x		x					
UK 1.5 N		x								
UK 2.5	x		x	x						
UK 2.5 B	x		x							
UK 2.5 LOER	x		x							
UK 2.5 N	x		x	x						
UK 3	x		x	x						
UK 3 - EX	x		x	x						
UK 3 - RETURN	x		x	x						
UK 3 - RETURN - PE	x		x	x						

Selection list of terminal markers for other manufacturers

PHOENIX CONTACT			
Size, mm	5x10	3x10	5x10
Marker type	PC-CPM-03 E 5x10 (28247.7) PC-CPM-04 E 3x10 (28249.7) PC-CPM-04 E 5x10 (28250.7) PC-CPM-04 5x10 (28251.7) PC-CPM-04 6x10 (28252.7) PC-CPM-04 8x10 (28253.7) PC-CPM-07 E 5x10 (28259.7) PVC-CPMF 6.3x105x0.5 (28270.7)		
Terminal type			
UK 3 - TWIN	X	X	X
UK 3 - TWIN - PE	X	X	X
UK 3 N	X	X	X
UK 4	X	X	X
UK 4 - TG	X	X	X
UK 4 - TG - LOER - P/P	X	X	X
UK 4 FS / FS	X	X	X
UK 4 FSR	X	X	X
UK 4 LOER	X	X	X
UK 4 TP	X	X	X
UK 4 TP / TP	X	X	X
UK 5	X	X	X
UK 5 - HESI	X	X	X
UK 5 - MTK - P/P	X	X	X
UK 5 - R - L	X	X	X
UK 5 - TWIN	X	X	X
UK 5 - TWIN - EX	X	X	X
UK 5 / R - WIRE	X	X	X
UK 5 N	X	X	X
UK 5 RETURN	X	X	X
UK 5 RETURN - PE	X	X	X
UK 5 TWIN	X	X	X
UK 5 TWIN - PE	X	X	X
UK 6	X	X	X
UK 6 N	X	X	X
UK 6.3 HESI	X	X	X
UK 10	X	X	X
UK 10 - DREHSI	X	X	X
UK 10 - EX	X	X	X
UK 10 - N-PE / N	X	X	X
UK 10 - PLUS	X	X	X
UK 10 - PLUS - PE	X	X	X
UK 10 - TWIN	X	X	X
UK 10 - TWIN - PE	X	X	X
UK 10 N	X	X	X
UK 10 RETURN	X	X	X
UK 10 RETURN - PE	X	X	X
UK 10.3 - HESI	X	X	X
UK 16	X	X	X
UK 16 - EX	X	X	X
UK 16 - PE / N	X	X	X
UK 16 N	X	X	X
UK 16 N - EX	X	X	X
UK 16 N - PE / N	X	X	X
UK 35	X	X	X
UK 35 - EX	X	X	X

PHOENIX CONTACT			
Size, mm	5x10	3x10	5x10
Marker type	PC-CPM-03 E 5x10 (28247.7) PC-CPM-04 E 3x10 (28249.7) PC-CPM-04 E 5x10 (28250.7) PC-CPM-04 5x10 (28251.7) PC-CPM-04 6x10 (28252.7) PC-CPM-04 8x10 (28253.7) PC-CPM-07 E 5x10 (28259.7) PVC-CPMF 6.3x105x0.5 (28270.7)		
Terminal type			
UK 35 - PE / N	X	X	X
UK SI	X	X	X
UKB 4 FS ...	X	X	X
UKD 4 PE	X	X	X
UKH 25	X	X	X
UKH 50	X	X	X
UKH 50 - PE / N	X	X	X
UKH 95	X	X	X
UKH 95 - PE / N	X	X	X
UKH 150	X	X	X
UKH 240	X	X	X
UKK 3	X	X	X
UKK 4 - FS	X	X	X
UKK 4 - FS / FS	X	X	X
UKK 5	X	X	X
UKK 5 - DIO	X	X	X
UKK 5 - TG	X	X	X
UKK 5 -2 -DIO	X	X	X
UKK 5 -LA	X	X	X
UKKB 3	X	X	X
UKKB 5	X	X	X
UKKB 10	X	X	X
UKKB 10 / 2.5	X	X	X
UKKB 10 / 2.5 - PE	X	X	X
UKN 2.5	X	X	X
UKN 4	X	X	X
UKN 5	X	X	X
UKN 10 (N)	X	X	X
UKN 16	X	X	X
UKN 16N	X	X	X
UKN 35	X	X	X
UKSN	X	X	X
URK - ND	X	X	X
URK - ND 2	X	X	X
URKN	X	X	X
URKN - A	X	X	X
URKN / S	X	X	X
URTK - BEN	X	X	X
URTK / S	X	X	X
URTK / S - BEN	X	X	X
URTK / SS	X	X	X
URTKD / SP	X	X	X
USED 16	X	X	X
USED 27	X	X	X
USEN 14	X	X	X
USEN 18	X	X	X

Selection list of terminal markers for other manufacturers

PHOENIX CONTACT						
Size, mm	5x10	3x10	5x10	5x10	6x10	8x10
Marker type	PC-CPM-03 E 5x10 (28247.7)	PC-CPM-04 E 3x10 (28249.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-04 5x10 (28251.7)	PC-CPM-04 6x10 (28252.7)	PC-CPM-04 8x10 (28253.7)
Terminal type	PC-CPM-07 E 5x10 (28259.7)	PVC-CPMF 6.3x105x0.5 (28270.7)				
USK / SGSK	X	X	X			
USK 4 FSR...	X	X	X			
USLKG 2.5	X	X				
USLKG 2.5 - N	X	X				
USLKG 3	X	X				
USLKG 4	X	X	X			
USLKG 5	X	X	X			
USLKG 10 (N)	X	X	X			
USLKG 16	X	X	X			
USLKG 16 N	X	X	X			
USLKG 35	X	X	X			
USLKG 50	X	X	X			
USLKG 95	X	X	X			
UT 4	X	X	X			
UT 4 BU	X	X	X			
UT 4 YE	X	X	X			
UT 4-MTD BU	X	X	X			
UT 4-MTD-PE	X	X	X			
UTTB 2.5		X				
UTK 35	X	X	X	X		
UXKK 4	X	X	X			
VBSN 4 FS	X	X				
VBST 4 FS / FS	X	X				
VIOK 1.5	X	X	X			
VIOK 1.5-2D	X	X	X			
VIOK 1.5-3D/PE	X	X	X			
VIOK 1.5-D/TG/D/PE	X	X	X		X	
VIOK 1.5-LA	X	X	X			
ZFDK 2.5	X	X				
ZFDK -PE	X	X				
ZFK 1.5		X				
ZFK 2.5 - PE	X	X				
ZFK 2.5 - PE / L / N	X	X				
ZFK 2.5 - TWIN	X	X				
ZFK 2.5 - TWIN - PE	X	X				
ZFK 4	X	X	X			
ZFK 4 - PE	X	X	X			
ZFK 4 - TG	X	X	X			
ZFK 6	X	X	X			
ZFK 16	X	X	X	X		
ZFK I 4	X	X	X			
ZFKK 2.5 (-MT)	X	X	X			
ZFKN 4	X	X	X			

SCHLEGEL						
Size, mm	3x10	5x10	5x10	6x10	5x10	
Marker type	PC-CPM-04 E 3x10 (28249.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-04 5x10 (28251.7)	PC-CPM-04 6x10 (28252.7)	PC-CPM-07 E 5x10 (28259.7)	
Terminal type						
IK...	X	X	X	X	X	
SIEMENS						
Size, mm	3x10	5x10	8x10	5x10	5x10	
Marker type	PC-CPM-04 E 3x10 (28249.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-04 5x10 (28251.7)	PC-CPM-04 6x10 (28252.7)	PC-CPM-07 E 5x10 (28259.7)	
Terminal type						
8WH...	X	X	X		X	
8WA1 011-0DF21				X		
8WA1 011-0DG21				X		
8WA1 011-1BF23				X		
8WA1 011-1DF11				X		
8WA1 011-1DG11				X		
8WA1 011-2DG11				X		
8WA1 011-3DF21				X		
8WA1 011-3DG21				X		
8WA1 011-1DH11				X		
8WA1 221				X		
8WA1 741-2X				X		
8WA2 011-1DF20				X		
8WA2 011-1DG20				X		
8WA2 011-1DH20				X		
WAGO						
Size, mm	3x10	5x10	5x15	5x7	5x10	5x10
Marker type	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PC-CPM-03 E 5x10 (28247.7)
Terminal type	PC-CPM-03 Z 5x10 (28351.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-12 4.2x6 (28264.7)	PC-CPM-12 4.2x9 (28265.7)	PVC-CPMF 10.5x105 (28274.7)	PVC-CPMF 4.6x118 (28268.7)
Top-Job 2000	X			X		X
Top-Job 2001	X			X		X
Top-Job 2002	X	X	X	X	X	X
Top-Job 2004	X	X	X	X	X	X
280-520					X	X

Selection list of terminal markers for other manufacturers

WAGO										
Size, mm	3x10	5x10	5x15	5x7	5x10	5x10	5x10	5x10	4.2x6	4.2x9
Marker type	PC-CPM-01 E 3x10 (28237.7) PC-CPM-01 E 5x10 (28239.7) PC-CPM-01 E 5x15 (28240.7) PC-CPM-01 E 5x7 (28238.7) PC-CPM-02 E 5x10 (28245.7) PC-CPM-03 E 5x10 (28247.7) PC-CPM-03 Z 5x10 (28351.7) PC-CPM-04 E 5x10 (28250.7) PC-CPM-1 2 4.2x6 (28264.7) PC-CPM-1 2 4.2x9 (28265.7) PVC-CPMF 10.5x105 (28274.7) PVC-CPMF 4.6x118 (28268.7) PVCF-VYB 7x105 (28277.7)									
Terminal type										
280-560					X	X	X			
280-601					X	X	X			
280-607					X	X	X			
280-612					X	X	X			
280-622					X	X	X			
280-626					X	X	X			
280-641					X	X	X			
280-646					X	X	X			
280-649					X	X	X			
280-650					X	X	X			
280-651					X	X	X			
280-653					X	X	X			
280-654					X	X	X			
280-656					X	X	X			
280-671					X	X	X			
280-672					X	X	X			
280-676					X	X	X			
280-681					X	X	X			
280-683					X	X	X			
280-684					X	X	X			
280-685					X	X	X			
280-687					X	X	X			
280-695					X	X	X			
280-830					X	X	X			
280-831					X	X	X			
280-832					X	X	X			
280-833					X	X	X			
280-834					X	X	X			
280-835					X	X	X			
280-836					X	X	X			
280-837					X	X	X			
280-869					X	X	X			
280-870					X	X	X			
280-871					X	X	X			
280-874					X	X	X			
280-875					X	X	X			
280-876					X	X	X			
280-878					X	X	X			
280-880					X	X	X			
280-881					X	X	X			
280-882					X	X	X			
280-883					X	X	X			
280-884					X	X	X			
280-885					X	X	X			
280-901					X	X	X			

WAGO										
Size, mm	3x10	5x10	5x15	5x7	5x10	5x10	5x10	5x10	4.2x6	4.2x9
Marker type	PC-CPM-01 E 3x10 (28237.7) PC-CPM-01 E 5x10 (28239.7) PC-CPM-01 E 5x15 (28240.7) PC-CPM-01 E 5x7 (28238.7) PC-CPM-02 E 5x10 (28245.7) PC-CPM-03 E 5x10 (28247.7) PC-CPM-03 Z 5x10 (28351.7) PC-CPM-04 E 5x10 (28250.7) PC-CPM-1 2 4.2x6 (28264.7) PC-CPM-1 2 4.2x9 (28265.7) PVC-CPMF 10.5x105 (28274.7) PVC-CPMF 4.6x118 (28268.7) PVCF-VYB 7x105 (28277.7)									
Terminal type										
280-902					X	X	X		X	
280-903					X	X	X		X	
280-904					X	X	X		X	
280-905					X	X	X		X	
280-906					X	X	X		X	
280-907					X	X	X		X	
280-912					X	X	X		X	
280-946					X	X	X		X	
281-601					X		X		X	
281-604					X		X		X	
281-607					X		X		X	
281/611					X		X		X	
281-631					X		X		X	
281-652					X		X		X	
281-653					X		X		X	
281-654					X		X		X	
281-657					X		X		X	
281-659					X		X		X	
281-660					X		X		X	
281-663					X		X		X	
281-664					X		X		X	
281-666					X		X		X	
281-668					X		X		X	
281-678					X		X		X	
281-679					X		X		X	
281-681					X		X		X	
281-683					X		X		X	
281-684					X		X		X	
281-685					X		X		X	
281-686					X		X		X	
281-687					X		X		X	
281-901					X		X		X	
281-902					X		X		X	
281-903					X		X		X	
281-904					X		X		X	
281-905					X		X		X	
281-906					X		X		X	
281-907					X		X		X	
281-912					X		X		X	
282-601					X		X		X	
282-604					X		X		X	
282-607					X		X		X	
282-681					X		X		X	
282-682					X		X		X	
282-684					X		X		X	

Selection list of terminal markers for other manufacturers

WAGO												
Terminal type	Marker type											
	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PC-CPM-03 E 5x10 (28247.7)	PC-CPM-03 Z 5x10 (28351.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-12 4.2x6 (28264.7)	PC-CPM-12 4.2x9 (28265.7)	PVC-CPMF 10.5x105 (28274.7)	
Size, mm	3x10	5x10	5x15	5x7	5x10	5x10	5x10	4.2x6	4.2x9	10.5x105	4.6x118	7x105
282-687					X		X			X		
282-901					X		X			X		
282-902					X		X			X		
282-904					X		X			X		
282-907					X		X			X		
283-602					X		X			X		
283-604					X		X			X		
283-607					X		X			X		
283-609				X		X		X	X			
283-671					X		X			X		
283-672					X		X			X		
283-674					X		X			X		
283-677					X		X			X		
283-901					X		X			X		
283-902					X		X			X		
283-904					X		X			X		
283-907					X		X			X		
284-601					X		X					
284-604					X		X					
284-607					X		X					
284-681					X		X			X		
284-682					X		X			X		
284-684					X		X			X		
284-687					X		X			X		
284-901					X		X			X		
284-902					X		X			X		
284-904					X		X			X		
284-907					X		X			X		
285-601					X		X					
285-605					X		X					
698-281					X		X					
150-603							X					
290-681					X	X	X					
750-xxx	X	X	X	X						X		
769-237	X	X	X	X						X		
769-176	X											
870-501	X		X	X			X			X		
870-507	X		X	X			X			X		
870-531	X		X	X			X			X		
870-538	X		X	X			X			X		
870-551	X		X	X			X			X		
870-567	X		X	X			X			X		
870-831	X		X	X			X			X		
870-901	X		X	X			X			X		
880-901	X		X	X	X	X	X			X		

WAGO												
Terminal type	Marker type											
	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PC-CPM-03 E 5x10 (28247.7)	PC-CPM-03 Z 5x10 (28351.7)	PC-CPM-04 E 5x10 (28250.7)	PC-CPM-12 4.2x6 (28264.7)	PC-CPM-12 4.2x9 (28265.7)	PVC-CPMF 10.5x105 (28274.7)	
Size, mm	3x10	5x10	5x15	5x7	5x10	5x10	5x10	4.2x6	4.2x9	10.5x105	4.6x118	7x105
WAGO I/O SYSTEM 750									X			
Series 870/X-Com/TJS/264								X				
WEIDMÜLLER												
Terminal type	Marker type											
	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PVC-CPMF 5.2x105 (28269.7)						
Size, mm	3x10	5x10	5x15	5x7	5x10	5.2x105						
AKZ 4../AKB 4...		X	X	X	X							
DLA 2.5		X	X	X	X							
DLD 2.5		X	X	X	X							
DLI 2.5		X	X	X	X							
EK 2.5		X	X	X	X							
EK 6		X	X	X	X							
EK 10		X	X	X	X							
EK 16		X	X	X	X							
EK 35		X	X	X	X							
EW15		X	X	X	X							
EW35		X	X	X	X							
EWK1		X	X	X	X							
EWK2		X	X	X	X							
IAK 1.5N 3L		X	X	X	X							
IDK 1.5	X	X			X	X						
IDK 1.5N	X	X	X	X	X							
IDK 1.5N/V	X	X	X	X	X							
IDU 1.5N	X	X	X	X	X							
IDU 2.5N	X	X	X	X	X							
IEK 1.5N	X	X			X	X						
IHK 1.5N	X	X			X	X						
IPE 1.5N	X	X			X	X						
IPE 2.5N		X			X	X						
ITR 1.5N		X			X	X						
MAK 2.5		X	X	X	X							
Mak 2.5/VLI 1.5		X	X	X	X							
NT 4		X	X	X	X							
NT 6		X	X	X	X							

Selection list of terminal markers for other manufacturers

WEIDMÜLLER						
Terminal type	Marker type					
	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PVC-CPMF 5.2x105 (28269.7)
Size, mm	3x10	5x10	5x15	5x7	5x10	5.2x105
NT 10	X	X	X	X	X	
NT 16	X	X	X	X	X	
SAI-M16 / M23 in SAI-M8	X	X	X	X	X	
SAK 2.5	X	X	X	X	X	X
SAK 4	X	X	X	X	X	X
SAK 6	X	X	X	X	X	X
SAK 10 (PA)	X	X	X	X	X	X
SAK 16	X	X	X	X	X	X
SAK 35	X	X	X	X	X	X
SAK 70	X	X	X	X	X	X
SAK 95	X	X	X	X	X	X
SAKA 10	X	X	X	X	X	
SAKB 10	X	X	X	X	X	
SAKC 4	X	X	X	X	X	
SAKC 10	X	X	X	X	X	
SAKD 2.5 N	X	X	X	X	X	
SAKG 28	X	X	X	X	X	
SAKG 32	X	X	X	X	X	
SAKG 40	X	X	X	X	X	
SAKG 46	X	X	X	X	X	
SAKG 54	X	X	X	X	X	
SAKG 70	X	X	X	X	X	
SAKR	X	X	X	X	X	
SAKRD	X	X	X	X	X	
SAKS 1	X	X	X	X	X	
SAKS 2	X	X	X	X	X	
SAKS 3	X	X	X	X	X	
SAKS 4	X	X	X	X	X	
SAKS 5	X	X	X	X	X	
SAKT 1	X	X	X	X	X	
SAKT 2	X	X	X	X	X	
SAKT 4	X	X	X	X	X	
SS 6	X	X	X	X	X	
SS 8	X	X	X	X	X	
SS 10	X	X	X	X	X	
SS 12	X	X	X	X	X	
TOP 2.5	X	X	X	X	X	
TOP 4	X	X	X	X	X	
VLI 2.5	X	X	X	X	X	
WDK 2.5	X	X	X	X	X	
WDK 2.5 800V	X	X	X	X	X	
WDK 2.5N	X	X	X	X	X	
WDK 4N	X	X	X	X	X	
WDL 2.5	X	X	X	X	X	
WDL 2.5 / S	X	X	X	X	X	

WEIDMÜLLER						
Terminal type	Marker type					
	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PVC-CPMF 5.2x105 (28269.7)
Size, mm	3x10	5x10	5x15	5x7	5x10	5.2x105
WDT 1.5	X	X	X	X	X	
WDTR 2.5	X	X	X	X	X	
WDU 1.5	X	X	X	X	X	
WDU 1.5 BLA	X	X	X	X	X	
WDU 1.5 LD/BLA	X	X	X	X	X	
WDU 1.5/BLZ 5.08	X	X	X	X	X	
WDU 1.5/BLZ R7.62	X	X	X	X	X	
WDU 1.5/BLZ/LD/5.08	X	X	X	X	X	
WDU 1.5ZZ	X	X	X	X	X	
WDU 2.5	X	X	X	X	X	
WDU 2.5 F	X	X	X	X	X	
WDU 2.5 FF	X	X	X	X	X	
WDU 2.5 N	X	X	X	X	X	
WDU 2.5 TC	X	X	X	X	X	
WDU 2.5/1.5/ZZ	X	X	X	X	X	
WDU 4	X	X	X	X	X	
WDU 4N	X	X	X	X	X	
WDU 6	X	X	X	X	X	
WDU 10	X	X	X	X	X	
WDU 10SL	X	X	X	X	X	
WDU 16	X	X	X	X	X	
WDU 35 N	X	X	X	X	X	
WDU 70/95	X	X	X	X	X	
WDU 95N	X	X	X	X	X	
WDU 120/150	X	X	X	X	X	
WDU 240	X	X	X	X	X	
WEV 35/2	X	X	X	X	X	
WFF 35	X	X	X	X	X	
WFF 70	X	X	X	X	X	
WFF 120	X	X	X	X	X	
WFF 185	X	X	X	X	X	
WFF 300	X	X	X	X	X	
WIN BLOCK	X	X	X	X	X	
WNT 2.5	X	X	X	X	X	
WNT 4	X	X	X	X	X	
WNT 6	X	X	X	X	X	
WNT 10	X	X	X	X	X	
WPE 1.5	X	X	X	X	X	
WPE 1.5/ZZ	X	X	X	X	X	
WPE 2.5	X	X	X	X	X	
WPE 2.5/1.5/ZR	X	X	X	X	X	
WPE 4	X	X	X	X	X	
WPE 6	X	X	X	X	X	
WPE 10	X	X	X	X	X	
WPE 16	X	X	X	X	X	

Selection list of terminal markers for other manufacturers

WEIDMÜLLER										
Terminal type	Marker type									
	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PVC-CPMF 5.2x105 (28269.7)				
Size, mm	3x10	5x10	5x15	5x7	5x10	5.2x105				
WPE 35		X	X	X	X					
WSI 6		X	X	X	X					
WSI 6/2		X	X	X	X					
WTL 6/1		X	X	X	X					
WTL 6/2		X	X	X	X					
WTR 2.5		X	X	X	X					
ZBLD 2.5/1.5	X	X		X	X					
ZDK 2.5/1.5	X	X		X	X					
ZDK 2.5/1.5 DU-PE	X	X		X	X					
ZDK 2.5/1.5 N-PE	X	X		X	X					
ZDK 2.5/1.5 V / E	X	X		X	X					
ZDK 2.5/1.5/E	X	X		X	X					
ZDK 2.5/1.5/E BL	X	X		X	X					
ZDK 2.5/1.5/LD/1	X	X		X	X					
ZDK 2.5/1.5/LD/2	X	X		X	X					
ZDK 2.5/1.5/N-PE/E	X	X		X	X					
ZDK 2.5/1.5D1...6	X	X		X	X					
ZDK 2.5/1.5N-DU	X	X		X	X					
ZDK 2.5/1.5N-DU/E	X	X		X	X					
ZDK 2.5/1.5N-DU-PE/E	X	X		X	X					
ZDK 2.5/1.5PE	X	X		X	X					
ZDK 2.5/1.5V		X		X	X					
ZDKB		X		X	X					
ZDKS		X		X	X					
ZDLD 2.5 / 1.5		X		X	X					
ZDLD 2.5 / 1.5 V		X		X	X					
ZDU 2.5 2.5/10		X	X	X	X					
ZDU 2.5/2x2AN		X		X	X					
ZDU 2.5/2x2AN (/E) BL		X		X	X					
ZDU 2.5/2x2AN/10		X		X	X					
ZDU 2.5/2x2AN/D		X		X	X					
ZDU 2.5/2x2AN/E		X		X	X					
ZDU 2.5/2x2AN/LD		X		X	X					
ZDU 2.5/3AN		X	X	X	X					
ZDU 2.5/3AN (/E) BL		X		X	X					
ZDU 2.5/3AN/10		X		X	X					
ZDU 2.5/3AN/E		X		X	X					
ZDU 2.5/4AN		X	X	X	X					
ZDU 2.5/4AN (/E) BL		X		X	X					
ZDU 2.5/4AN/10		X		X	X					
ZDU 2.5-2/3		X		X	X					
ZDU 2.5-2/3AN (/E) BL		X		X	X					
ZDU 2.5-2/4AN (/E)		X		X	X					

WEIDMÜLLER										
Terminal type	Marker type									
	PC-CPM-01 E 3x10 (28237.7)	PC-CPM-01 E 5x10 (28239.7)	PC-CPM-01 E 5x15 (28240.7)	PC-CPM-01 E 5x7 (28238.7)	PC-CPM-02 E 5x10 (28245.7)	PVC-CPMF 5.2x105 (28269.7)				
Size, mm	3x10	5x10	5x15	5x7	5x10	5.2x105				
ZDU 2.5-2/3AN (/E) BL		X		X	X					
ZDU 2.5-2/4AN (/E)		X		X	X					
ZDU 2.5-2/4AN (/E) BL		X		X	X					
ZDU 2.5 (/E)		X		X	X					
ZDU 2.5 (/E) BL		X		X	X					
ZDU 2.5-2		X		X	X					
ZDU 4		X		X	X					
ZDU 6		X		X	X					
ZDU 10 NT		X		X	X					
ZDU 16 16/3AN		X		X	X					
ZDU 35		X		X	X					
ZDUA 2.5-2 (/E)		X		X	X					
ZDUA 2.5-2 (/E) BL		X		X	X					
ZDUB 2.5 / 2-2/4AN		X		X	X					
ZDUB 2.5 / 2AN		X		X	X					
ZDUB 2.5-2/2AN		X		X	X					
ZIA 1.5/....		X	X	X	X					
ZK3S		X		X	X					
ZKB		X		X	X					
ZKS		X		X	X					
ZPE 2.5/4AN		X	X	X	X					
ZPE 2.5		X		X	X					
ZPE 2.5/3AN		X		X	X					
ZPE 2.5/3AN/E		X		X	X					
ZPE 2.5/4AN		X		X	X					
ZPE 2.5/4AN/E		X		X	X					
ZPE 2.5/E		X		X	X					
ZPE 2.5-2 (/E)		X		X	X					
ZPE 2.5-2/3AN		X	X	X	X					
ZPE 2.5-2/3AN/E		X		X	X					
ZPE 2.5-2/4AN		X		X	X					
ZPE 35		X		X	X					
ZPEA -2/E		X		X	X					
ZRV 1.5	X	X		X	X					
ZRV 1.5PE		X		X	X					
ZSI 2.5		X		X	X					
ZSI 2.5/2		X		X	X					
ZSLD 2.5/1.5		X		X	X					
ZTR 2.5		X	X	X	X					
ZTR 2.5 D		X	X	X	X					
ZTR 2.5/3AN		X		X	X					
ZVL 1.5	X	X	X	X	X					

TTP eco thermal-transfer printer

The **TTP eco** thermal-transfer printer is specially designed for marking solutions in facilities and electrical cabinet applications. It is very versatile. It offers an economical alternative for easily printing **CONTA-CLIP GKE** and **KKE** label rolls. This printer prints either by direct thermal printing or by using a thermal transfer process. The large housing lid makes it easy to change label rolls and ink ribbons quickly. In spite of the compact size of its housing, the printer can be fitted with label rolls up to 127 mm (5") wide, and with ink ribbons up to 300 m long. Idle time due to replacement of consumables is therefore reduced and productivity is increased.



Your advantages

- Easy to operate
- High-quality print and clear typeface
- Easy to control with the CONTASign labelling software
- Data can be imported from Excel, csv, txt, db and other standard file formats



Features

- Reliable printing technology (thermal transfer)
- Maintenance-free, low-noise operations
- Stable and quick labelling
- Compact dimensions
- Quick load times for different print variants, thanks to fast and straightforward swapping of label rolls.

TTP eco thermal-transfer printer

TTP eco



Type	Cat. no.	Included in delivery	Qty.
TTP eco starter kit	17741.0	Thermal transfer printer TTP eco (17740.0) including power cord, USB cable, black thermal transfer film (1641.0), CONTA-Sign software in 9 languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Russian, Turkish), for Windows versions 7, 8, 10. (Available for download at the website)	1

Technical data

Dimensions (L x W x H)	285 x 226 x 117 mm
Weight	Approx. 3 kg
Supply voltage	100 – 230 V AC / 50 – 60 Hz
Power consumption	Max. 70 W
Interface ports	USB 1.1, RS232 C, parallel Centronics (SPP)
Print type	Thermal transfer
Intended use	For printing labels (roll)
Resolution	300 dpi
Printed area	Max. width of 106 mm, max. passage width of 118 mm
Printing speed	Max. 100 mm/s
Printing capacity	Max. 300 m (thermal transfer film)

Operating conditions

Ambient temperature	5 °C to 35 °C
Relative humidity	Max. 80 % without condensation

Thermal transfer film

Colour side	outside
Diameter of roll	Max. 68 mm
Diameter of core	25.4 mm / 1"
Length	Max. 300 m
Width	Max. 110 mm

Labels

Labels/continuous material	Paper, cardboard, textile, plastic
Material thickness	Max. 220 g/m ²
Diameter of roll	Max. 127 mm
Diameter of core	25.4 mm, 38.1 mm, 76.2 mm
Winding from	outside or inside
Label sensor	Transmitted light and reflected from below

Accessories

Type	Cat. no.	Short description	Qty.
TTP film BK	1641.0	Colour: black, dimensions: 110 mm x 300 m, colour side on outside, industrial quality	1
TTP cleaning set	1639.0	1 x print head and roller cleaner 250 ml, 1 x compressed gas to blow out the optical sensor 200 ml, 22 x fleece cloths, 5 x cleaning spatulas, 2 x cleaning cards, 1 x print head cleaning foil, 1 x label solvent spray 200 ml	1
TTP eco optional cutting device	17742.0	Automatically cuts labels after the printing process	1
TTP eco external roll unwinder	17743.0	External unwinder for maximum roll outer diameters of 250 mm, needed for the GKE labels 3916.0, 3906.0 and the KKE labels 3955.8 and 3955.7.	1



17742.0
TTP eco
optional cutting device



17743.0
TTP eco
external roll unwinder

Wire and cable markers – adhesive cable labels KKE

Adhesive cable labels KKE

The **KKE** cable markers allow you to mark cables and wire with an outer diameter of up to 32 mm in a safe, easy and quick manner.

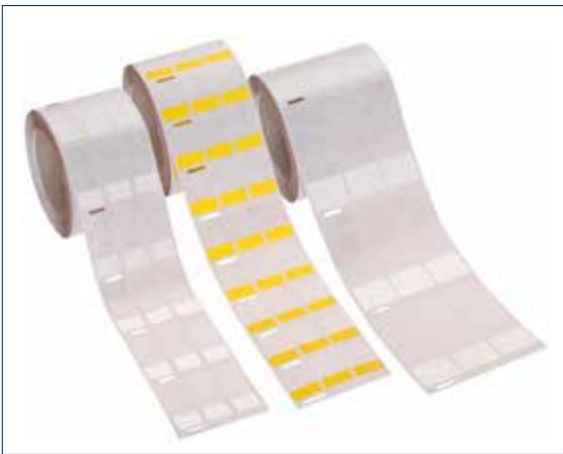
- Fast and professional marking with the **TTP eco** thermal-transfer printer
- The **BS-1** marker pen ensures uncomplicated and quick marking of blank labels.

Format: DIN A4 or roll

Material: polyester



KKE roll



Type	Qty.
Type roll	KKE... 1
Colour variants	White, yellow
Characteristics	
Dimensions	
Diameter of roll core	75 mm
Material	
Material	Polyester
Temperature range	-40 °C to +150 °C
Min. temperature when attaching	+10 °C
Resistance	Water, alcohol, benzene, oils
Min. shelf-life under normal conditions (21 °C and 50% rel. humidity)	2 years
Printed	
Printer for KKE...roll	TTP
Labelling pen	BS-1

Type	Cat. no.	Label field size L x W, mm	Outer diameter mm	Pieces per roll
KKE 34/18 WH	3950.7	16 x 13	4.5 - 6	3000
KKE 34/18 YE	3950.8	16 x 13	4.5 - 6	3000
KKE 35/25 WH	3955.7	25 x 14	4.5 - 6	4500
KKE 35/25 YE	3955.8	25 x 14	4.5 - 6	4500
KKE 55/23 WH	3954.7	21 x 16	6.5 - 11	2400
KKE 55/23 YE	3954.8	21 x 16	6.5 - 11	2400
KKE 76/25 WH	3951.7	23 x 19	6.5 - 16	1800
KKE 76/25 YE	3951.8	23 x 19	6.5 - 16	1800
KKE 93/36 WH	3952.7	34 x 25	8.5 - 21	1500
KKE 93/36 YE	3952.8	34 x 25	8.5 - 21	1500
KKE 140/25 WH	3953.7	24 x 25	12.5 - 32	1050
KKE 140/25 YE	3953.8	24 x 25	12.5 - 32	1050

Wire and cable markers – adhesive cable labels KKE

Adhesive cable labels KKE



KKE DIN A4 sheet



Type

Qty.

Type sheet

KKE...A4 10

Colour variants

White, yellow

Characteristics

Dimensions

Sheet

DIN A4

Material

Material Polyester
 Temperature range -40 °C to +150 °C
 Min. temperature when attaching +10 °C
 Resistance Water, alcohol, benzene, oils
 Min. shelf-life under normal conditions (21 °C and 50% rel. humidity) 2 years

Printed

Plotter for KKE..A4 EMS
 Plotter inlay CCI-8
 Labelling pen BS-1

Type	Cat. no.	Label field size L x W, mm	Outer diameter mm	DIN A4 Pieces per sheet
KKE 25/37 A4 WH	3956.7	8 x 37	3 - 5	55
KKE 25/37 A4 YE	3956.8	8 x 37	3 - 5	55
KKE 34/17.8 A4 WH	3957.7	13 x 17.8	5 - 7	88
KKE 34/17.8 A4 YE	3957.8	13 x 17.8	5 - 7	88
KKE 55/22.8 A4 WH	3958.7	13 x 22.8	7 - 12	40
KKE 55/22.8 A4 YE	3958.8	13 x 22.8	7 - 12	40
KKE 68/25.4 A4 WH	3959.7	17 x 25.4	8 - 14	28
KKE 68/25.4 A4 YE	3959.8	17 x 25.4	8 - 14	28
KKE 93/35.5 A4 WH	3960.7	25 x 35.5	10 - 22	15
KKE 93/35.5 A4 YE	3960.8	25 x 35.5	10 - 22	15
KKE 139.7/25.4 A4 WH	3961.7	25.4 x 25.4	16 - 36	16
KKE 139.7/25.4 A4 YE	3961.8	25.4 x 25.4	16 - 36	16

Device and installation markers – GKE adhesive device labels

Adhesive device labels GKE

GKE adhesive device labels bring clarity to the switchgear cabinet. With many different sizes and three colours, the **GKE** series provides the best marking solution for anywhere in your switchgear cabinet.

Fast and professional marking using the **TTP eco** thermal-transfer printer.

The **BS-1** marker pen ensures uncomplicated and quick marking of blank labels

Format: DIN A4 or roll
Material: polyester



GKE, roll



Type	Qty.	Type	Cat. no.	Tag size L x W, mm	Pieces per roll	
Type roll	GKE...	1	GKE 10/7 YE	3914.8	10x70	10000
			GKE 15/6 YE	3900.8	15x6	10000
			GKE 15/6 SI	3900.0	15x6	10000
			GKE 15/6 WH	3900.7	15x6	10000
			GKE 18/6 YE	3901.8	18x6	10000
			GKE 18/6 SI	3901.0	18x6	10000
			GKE 18/6 WH	3901.7	18x6	10000
			GKE 18/9 YE	3902.8	18x9	10000
			GKE 18/9 SI	3902.0	18x9	10000
			GKE 18/9 WH	3902.7	18x9	10000
Colour variants	white, yellow, silver		GKE 20/8 YE	3903.8	20x8	10000
Characteristics			GKE 20/8 SI	3903.0	20x8	10000
Dimensions			GKE 20/8 WH	3903.7	20x8	10000
Diameter of roll core	75 mm		GKE 21.5/21.5 SI	3915.0	21.5x21.5	6000
			GKE 25/12 YE	3904.8	25x12	10000
			GKE 25/12 SI	3904.0	25x12	10000
			GKE 25/12 WH	3904.7	25x12	10000
			GKE 26/10 YE	3905.8	26x10	10000
Material			GKE 26/10 SI	3905.0	26x10	10000
Material	Polyester		GKE 26/10 WH	3905.7	26x10	10000
Temperature range	-40 °C to +105 °C		GKE 26.5/17.5 SI	3906.0	26.5x17.5	10000
Min. temperature when attaching	+15 °C		GKE 27/27 SI	3916.0	27x27	9000
Resistance	Water, alcohol, benzene, oils		GKE 30/6 WH	3917.7	30x6	10000
Min. shelf-life under normal conditions (21 °C and 50% rel. humidity)	2 years		GKE 30/20 YE	3907.8	30x20	6000
			GKE 30/20 SI	3907.0	30x20	6000
Printed			GKE 30/20 WH	3907.7	30x20	6000
Printer for GKE.. roll	TTP		GKE 32/9 YE	3908.8	32x9	10000
Labelling pen	BS-1		GKE 32/9 SI	3908.0	32x9	10000
			GKE 32/9 WH	3908.7	32x9	10000
			GKE 38/19 YE	3909.8	38x19	2000
			GKE 38/19 SI	3909.0	38x19	2000
			GKE 38/19 WH	3909.7	38x19	2000
			GKE 45/10 WH	88607.0	45x10	10000
			GKE 45/23 YE	3910.8	45x23	2000
			GKE 45/23 SI	3910.0	45x23	2000
			GKE 45/23 WH	3910.7	45x23	2000
			GKE 65/35 YE	3911.8	65x35	1000
			GKE 65/35 SI	3911.0	65x35	1000
			GKE 65/35 WH	3911.7	65x35	1000
			GKE 101/48 SI	3912.0	101x48	500
			GKE 101/74 SI	3913.0	101x74	500

Device and installation markers – GKE adhesive device labels



Type	GKE...A4	Qty.
Type sheet		10
Colour variants	white, yellow, silver	
Characteristics		
Dimensions		
Sheet	DIN A4	
Material		
Material	Polyester	
Temperature range	-40 °C to +105 °C	
Min. temperature when attaching	+15 °C	
Resistance	Water, alcohol, benzene, oils	
Min. shelf-life under normal conditions (21 °C and 50% rel. humidity)	2 years	
Printed		
Plotter for GKE..A4	EMS	
Plotter inlay	CCI-8	
Labelling pen	BS-1	

Wire and terminal markers – cable marker sleeves KBH

Wire markers KBH 3/3 | KBH 3/6

KBH cable marker sleeves provide a safe, quick and simple marking solution.

Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections from 0.2 to 1.5 mm².

Available in 3 mm and 6 mm lengths.

Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.

Material: soft PVC, with no cadmium or silicone
Halogen-free markers (**KBHZ**) are available on request.



KBH 3



KBH 3



Type	Qty.
Type/Colour bag	
Cat. no.	KBH 3/3 neutral YE 2631.0104
Type/Colour roll	
Cat. no.	KBH 3/3 neutral YE 2142.0104

Colour variants	
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Characteristics	
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Dimensions	
Length KBH 3/3 KBH 3/6, mm	3 / 6

Material	
Material	Soft PVC, no cadmium or silicone

Temperature range	Dimensionally stable from -30 °C to +60 °C
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Flamm. class acc. to UL 94	V-0
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Resistance	Oils, benzene, gamma and UV radiation
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Printed	
Printing process	Hot stamped
Labelling pen	BS-1

Application	
Wire cross-section, in mm ²	0.2-1.5
Outer diameter of insulation, mm	1.3-3

Accessories	Qty.
Installation tool	
Cat. no.	MD 3 2650.0

Installation tool MD



KBH 3/3 Yellow Printed	Cat. no. Bag with 200 pieces	KBH 3/3 Yellow Printed	Cat. no. Bag with 200 pieces
0	2630.0000	+	2630.0419
1	2630.0001	-	2630.0420
2	2630.0002	/	2630.0402
3	2630.0003	.	2630.0403
4	2630.0004	:	2630.0404
5	2630.0005	=	2630.0405
6	2630.0006	±	2630.0406
7	2630.0007	⊕	2630.0407
8	2630.0008	~	2630.0408
9	2630.0009	+*	2630.0400
		**	2630.0401
A	2630.0200	a	2630.0300
B	2630.0201	b	2630.0301
C	2630.0202	c	2630.0302
D	2630.0203	d	2630.0303
E	2630.0204	e	2630.0304
F	2630.0205	f	2630.0305
G	2630.0206	g	2630.0306
H	2630.0207	h	2630.0307
I	2630.0208	i	2630.0308
J	2630.0209	j	2630.0309
K	2630.0210	k	2630.0310
L	2630.0211	l	2630.0311
M	2630.0212	m	2630.0312
N	2630.0213	n	2630.0313
O	2630.0214	o	2630.0314
P	2630.0215	p	2630.0315
Q	2630.0216	q	2630.0316
R	2630.0217	r	2630.0317
S	2630.0218	s	2630.0318
T	2630.0219	t	2630.0319
U	2630.0220	u	2630.0320
V	2630.0221	v	2630.0321
W	2630.0222	w	2630.0322
X	2630.0223	x	2630.0323
Y	2630.0224	y	2630.0324
Z	2630.0225	z	2630.0325

KBH 3/3 Colour of ferrule	Cat. no. Bag with 200 pieces	KBH 3/3 Colour of ferrule Printed	Cat. no. Bag with 200 pieces
Black	2631.0100	black/0	2597.0000
Brown	2631.0101	brown/1	2597.0001
Red	2631.0102	red/2	2597.0002
Orange	2631.0103	orange/3	2597.0003
Yellow	2631.0104	yellow/4	2597.0004
Green	2631.0105	green/5	2597.0005
Blue	2631.0106	blue/6	2597.0006
violet	2631.0107	violet/7	2597.0007
Grey	2631.0108	grey/8	2597.0008
White	2631.0109	white/9	2597.0009

KBH 3/6 Yellow print	Cat. no. Bag with 200 pieces	KBH 3/6 Yellow Print	Cat. no. Roll with 1000 pieces	
L1	2678.0409		L1	2675.0409
L2	2678.0410		L2	2675.0410
L3	2678.0411		L3	2675.0411
MP**	2678.0412		MP**	2675.0412
PE	2678.0413		PE	2675.0413
X1	2678.0414		X1	2675.0414
X2	2678.0415		X2	2675.0415
X3	2678.0416		X3	2675.0416
A1	2678.0417		A1	2675.0417
A2	2678.0418		A2	2675.0418

KBH 3/3 Yellow Printed	Cat. no. Roll with 1000 pieces	KBH 3/3 Yellow Printed	Cat. no. Roll with 1000 pieces
0	2156.0000	+	2156.0419
1	2156.0001	-	2156.0420
2	2156.0002	/	2156.0402
3	2156.0003	.	2156.0403
4	2156.0004	:	2156.0404
5	2156.0005	=	2156.0405
6	2156.0006	±	2156.0406
7	2156.0007	⊕	2156.0407
8	2156.0008	~	2156.0408
9	2156.0009	+*	2156.0400
		**	2156.0401
A	2156.0200	a	2156.0300
B	2156.0201	b	2156.0301
C	2156.0202	c	2156.0302
D	2156.0203	d	2156.0303
E	2156.0204	e	2156.0304
F	2156.0205	f	2156.0305
G	2156.0206	g	2156.0306
H	2156.0207	h	2156.0307
I	2156.0208	i	2156.0308
J	2156.0209	j	2156.0309
K	2156.0210	k	2156.0310
L	2156.0211	l	2156.0311
M	2156.0212	m	2156.0312
N	2156.0213	n	2156.0313
O	2156.0214	o	2156.0314
P	2156.0215	p	2156.0315
Q	2156.0216	q	2156.0316
R	2156.0217	r	2156.0317
S	2156.0218	s	2156.0318
T	2156.0219	t	2156.0319
U	2156.0220	u	2156.0320
V	2156.0221	v	2156.0321
W	2156.0222	w	2156.0322
X	2156.0223	x	2156.0323
Y	2156.0224	y	2156.0324
Z	2156.0225	z	2156.0325

KBH 3/3 Yellow Printed	Cat. no. Roll with 1000 pieces
Black	2142.0100
Brown	2142.0101
Red	2142.0102
Orange	2142.0103
Yellow	2142.0104
Green	2142.0105
Blue	2142.0106
violet	2142.0107
Grey	2142.0108
White	2142.0109

KBH 3/6 Yellow print	Cat. no. Roll with 1000 pieces
L1	2675.0409
L2	2675.0410
L3	2675.0411
MP**	2675.0412
PE	2675.0413
X1	2675.0414
X2	2675.0415
X3	2675.0416
A1	2675.0417
A2	2675.0418

* Red sleeves
** Blue sleeves

Wire and terminal markers – cable marker sleeves KBH

Wire markers KBH 5/3 | KBH 5/6

KBH cable marker sleeves provide a safe, quick and simple marking solution.

Safe and adjustable, for unconnected cables. Optimally used for conductor cross-section from 1.5 mm² – 4 mm². Available in 3 mm and 6 mm lengths.

Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.

Material: soft PVC, with no cadmium or silicone
Halogen-free markers (**KBHZ**) are available on request.



KBH 5



KBH 5



Type	Qty.
Type/Colour bag	
Cat. no.	200
Type/Colour roll	
Cat. no.	1000

KBH 5/3 neutral YE	
2633.0104	
KBH 5/3 neutral YE	
2146.0104	

KBH 5/3 Yellow Printed	Cat. no. Bag with 200 pieces	KBH 5/3 Yellow Printed	Cat. no. Bag with 200 pieces
0	2632.0000	+	2632.0419
1	2632.0001	-	2632.0420
2	2632.0002	/	2632.0402
3	2632.0003	.	2632.0403
4	2632.0004	:	2632.0404
5	2632.0005	=	2632.0405
6	2632.0006	±	2632.0406
7	2632.0007	⊕	2632.0407
8	2632.0008	~	2632.0408
9	2632.0009	+*	2632.0400
		-**	2632.0401
A	2632.0200	a	2632.0300
B	2632.0201	b	2632.0301
C	2632.0202	c	2632.0302
D	2632.0203	d	2632.0303
E	2632.0204	e	2632.0304
F	2632.0205	f	2632.0305
G	2632.0206	g	2632.0306
H	2632.0207	h	2632.0307
I	2632.0208	i	2632.0308
J	2632.0209	j	2632.0309
K	2632.0210	k	2632.0310
L	2632.0211	l	2632.0311
M	2632.0212	m	2632.0312
N	2632.0213	n	2632.0313
O	2632.0214	o	2632.0314
P	2632.0215	p	2632.0315
Q	2632.0216	q	2632.0316
R	2632.0217	r	2632.0317
S	2632.0218	s	2632.0318
T	2632.0219	t	2632.0319
U	2632.0220	u	2632.0320
V	2632.0221	v	2632.0321
W	2632.0222	w	2632.0322
X	2632.0223	x	2632.0323
Y	2632.0224	y	2632.0324
Z	2632.0225	z	2632.0325

KBH 5/3 Yellow Printed	Cat. no. Roll with 1000 pieces	KBH 5/3 Yellow Printed	Cat. no. Roll with 1000 pieces
0	2160.0000	+	2160.0419
1	2160.0001	-	2160.0420
2	2160.0002	/	2160.0402
3	2160.0003	.	2160.0403
4	2160.0004	:	2160.0404
5	2160.0005	=	2160.0405
6	2160.0006	±	2160.0406
7	2160.0007	⊕	2160.0407
8	2160.0008	~	2160.0408
9	2160.0009	+*	2160.0400
		-**	2160.0401
A	2160.0200	a	2160.0300
B	2160.0201	b	2160.0301
C	2160.0202	c	2160.0302
D	2160.0203	d	2160.0303
E	2160.0204	e	2160.0304
F	2160.0205	f	2160.0305
G	2160.0206	g	2160.0306
H	2160.0207	h	2160.0307
I	2160.0208	i	2160.0308
J	2160.0209	j	2160.0309
K	2160.0210	k	2160.0310
L	2160.0211	l	2160.0311
M	2160.0212	m	2160.0312
N	2160.0213	n	2160.0313
O	2160.0214	o	2160.0314
P	2160.0215	p	2160.0315
Q	2160.0216	q	2160.0316
R	2160.0217	r	2160.0317
S	2160.0218	s	2160.0318
T	2160.0219	t	2160.0319
U	2160.0220	u	2160.0320
V	2160.0221	v	2160.0321
W	2160.0222	w	2160.0322
X	2160.0223	x	2160.0323
Y	2160.0224	y	2160.0324
Z	2160.0225	z	2160.0325

Colour variants

Characteristics

Dimensions

Length KBH 5/3 | KBH 5/6, mm

3 / 6

Material

Material

Soft PVC, no cadmium or silicone

Temperature range

Dimensionally stable from -30 °C to +60 °C

Flamm. class acc. to UL 94

V-0

Resistance

Oils, benzene, gamma and UV radiation

Printed

Printing process

Hot stamped

Labelling pen

BS-1

Application

Wire cross-section, in mm²

1.5-4

Outer diameter of insulation, mm

2.5-5

Accessories

Installation tool

MD 4

Cat. no.

2651.0

Installation tool

MD 5

Cat. no.

2652.0

Installation tool MD



KBH 5/3 Yellow Printed

KBH 5/3 Yellow Printed	Cat. no. Bag with 200 pieces	KBH 5/3 Colour of ferrule Printed	Cat. no. Bag with 200 pieces
Black	2633.0100	black/0	2596.0000
Brown	2633.0101	brown/1	2596.0001
Red	2633.0102	red/2	2596.0002
Orange	2633.0103	orange/3	2596.0003
Yellow	2633.0104	yellow/4	2596.0004
Green	2633.0105	green/5	2596.0005
Blue	2633.0106	blue/6	2596.0006
violet	2633.0107	violet/7	2596.0007
Grey	2633.0108	grey/8	2596.0008
White	2633.0109	white/9	2596.0009

KBH 5/6 Yellow print

KBH 5/6 Yellow print	Cat. no. Roll with 200 pieces
L1	2681.0409
L2	2681.0410
L3	2681.0411
MP**	2681.0412
PE	2681.0413
X1	2681.0414
X2	2681.0415
X3	2681.0416
A1	2681.0417
A2	2681.0418

KBH 5/3 Sleeve colour black

KBH 5/3 Sleeve colour black	Cat. no. Roll with 1000 pieces
Brown	2146.0100
Red	2146.0101
Orange	2146.0102
Yellow	2146.0103
Green	2146.0104
Blue	2146.0105
violet	2146.0106
Grey	2146.0107
White	2146.0108

KBH 5/6 Yellow print

KBH 5/6 Yellow print	Cat. no. Roll with 1000 pieces
L1	2634.0409
L2	2634.0410
L3	2634.0411
MP**	2634.0412
PE	2634.0413
X1	2634.0414
X2	2634.0415
X3	2634.0416
A1	2634.0417
A2	2634.0418

* Red sleeves
** Blue sleeves

Wire and terminal markers – cable marker sleeves KBH

Wire markers KBH 10/4 | KBH 10/6

KBH cable marker sleeves provide a safe, quick and simple marking solution.

Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections from 2.5 to 16 mm². Available in 4 mm and 6 mm lengths.

Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.

Material: soft PVC, with no cadmium or silicone Halogen-free markers (**KBHZ**) are available on request.



Type	Qty.
Type/Colour bag	
Cat. no.	KBH 10/4 neutral YE 2638.0104
Type/Colour roll	
Cat. no.	KBH 10/4 neutral YE 2148.0104

Colour variants

Characteristics

Dimensions

Length KBH 10/4 | KBH 10/6, mm

Material

Material

Temperature range

Flamm. class acc. to UL 94

Resistance

Printed

Printing process

Labelling pen

Application

Wire cross-section, in mm²

Outer diameter of insulation, mm

KBH 10/4 Yellow Printed	Cat. no. Bag with 100 pieces	KBH 10/4 Yellow Printed	Cat. no. Bag with 100 pieces
0	2637.0000	+	2637.0419
1	2637.0001	-	2637.0420
2	2637.0002	/	2637.0402
3	2637.0003	.	2637.0403
4	2637.0004	:	2637.0404
5	2637.0005	=	2637.0405
6	2637.0006	±	2637.0406
7	2637.0007	⊕	2637.0407
8	2637.0008	~	2637.0408
9	2637.0009	+*	2637.0400
		-**	2637.0401
A	2637.0200	a	2637.0300
B	2637.0201	b	2637.0301
C	2637.0202	c	2637.0302
D	2637.0203	d	2637.0303
E	2637.0204	e	2637.0304
F	2637.0205	f	2637.0305
G	2637.0206	g	2637.0306
H	2637.0207	h	2637.0307
I	2637.0208	i	2637.0308
J	2637.0209	j	2637.0309
K	2637.0210	k	2637.0310
L	2637.0211	l	2637.0311
M	2637.0212	m	2637.0312
N	2637.0213	n	2637.0313
O	2637.0214	o	2637.0314
P	2637.0215	p	2637.0315
Q	2637.0216	q	2637.0316
R	2637.0217	r	2637.0317
S	2637.0218	s	2637.0318
T	2637.0219	t	2637.0319
U	2637.0220	u	2637.0320
V	2637.0221	v	2637.0321
W	2637.0222	w	2637.0322
X	2637.0223	x	2637.0323
Y	2637.0224	y	2637.0324
Z	2637.0225	z	2637.0325

KBH 3/3 Colour of ferrule	Cat. no. Bag with 100 pieces	KBH 10/4 Colour of ferrule Printed	Cat. no. Bag with 100 pieces
Black	2638.0100	black/0	2589.0000
Brown	2638.0101	brown/1	2589.0001
Red	2638.0102	red/2	2589.0002
Orange	2638.0103	orange/3	2589.0003
Yellow	2638.0104	yellow/4	2589.0004
Green	2638.0105	green/5	2589.0005
Blue	2638.0106	blue/6	2589.0006
violet	2638.0107	violet/7	2589.0007
Grey	2638.0108	grey/8	2589.0008
White	2638.0109	white/9	2589.0009

KBH 10/4 Yellow Printed	Cat. no. Roll with 250 pieces	KBH 10/4 Yellow Printed	Cat. no. Roll with 250 pieces
0	2162.0000	+	2162.0419
1	2162.0001	-	2162.0420
2	2162.0002	/	2162.0402
3	2162.0003	.	2162.0403
4	2162.0004	:	2162.0404
5	2162.0005	=	2162.0405
6	2162.0006	±	2162.0406
7	2162.0007	⊕	2162.0407
8	2162.0008	~	2162.0408
9	2162.0009	+*	2162.0400
		-**	2162.0401
A	2162.0200	a	2162.0300
B	2162.0201	b	2162.0301
C	2162.0202	c	2162.0302
D	2162.0203	d	2162.0303
E	2162.0204	e	2162.0304
F	2162.0205	f	2162.0305
G	2162.0206	g	2162.0306
H	2162.0207	h	2162.0307
I	2162.0208	i	2162.0308
J	2162.0209	j	2162.0309
K	2162.0210	k	2162.0310
L	2162.0211	l	2162.0311
M	2162.0212	m	2162.0312
N	2162.0213	n	2162.0313
O	2162.0214	o	2162.0314
P	2162.0215	p	2162.0315
Q	2162.0216	q	2162.0316
R	2162.0217	r	2162.0317
S	2162.0218	s	2162.0318
T	2162.0219	t	2162.0319
U	2162.0220	u	2162.0320
V	2162.0221	v	2162.0321
W	2162.0222	w	2162.0322
X	2162.0223	x	2162.0323
Y	2162.0224	y	2162.0324
Z	2162.0225	z	2162.0325

KBH 10/4 Sleeve colour	Cat. no. Roll with 250 pieces	KBH 10/6 Sleeve colour	Cat. no. Roll with 125 pieces
Black	2148.0100	L1	2695.0409
Brown	2148.0101	L2	2695.0410
Red	2148.0102	L3	2695.0411
Orange	2148.0103	MP**	2695.0412
Yellow	2148.0104	PE	2695.0413
Green	2148.0105	X1	2695.0414
Blue	2148.0106	X2	2695.0415
violet	2148.0107	X3	2695.0416
Grey	2148.0108	A1	2695.0417
White	2148.0109	A2	2695.0418

* Red sleeves
** Blue sleeves

Wire and terminal markers – cable marker sleeves KBH

Wire marking KBH 16/6

KBH cable marker sleeves provide a safe, quick and simple marking solution.

Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections from 16 to 70 mm². Easy to read with high-contrast type-face. Torsion resistant for reliable marking combinations. Resistant to environmental influences.

Material: soft PVC, with no cadmium or silicone
Halogen-free markers (**KBHZ**) are available on request.



KBH 16



Type	Type/Colour bag
Cat. no.	

Qty.	KBH 16/6 neutral YE 2640.0104	20
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Colour variants

Characteristics

Dimensions

Length KBH 16, mm

6

Material

Material

Soft PVC, no cadmium or silicone

Temperature range

Dimensionally stable from -30 °C to +60 °C

Flamm. class acc. to UL 94

V-0

Resistance

Oils, benzene, gamma and UV radiation

Printed

Printing process

Hot stamped

Labelling pen

BS-1

Application

Wire cross-section, in mm²

16-70

Outer diameter of insulation, mm

8-16

KBH 16/6 Yellow Printed	Cat. no. Bag with 20 pieces	KBH 16/6 Yellow Printed	Cat. no. Bag with 20 pieces
0	2639.0000	+	2639.0419
1	2639.0001	-	2639.0420
2	2639.0002	/	2639.0402
3	2639.0003	.	2639.0403
4	2639.0004	:	2639.0404
5	2639.0005	=	2639.0405
6	2639.0006	±	2639.0406
7	2639.0007	⊕	2639.0407
8	2639.0008	~	2639.0408
9	2639.0009	+*	2639.0400
		-**	2639.0401
A	2639.0200	a	2637.0300
B	2639.0201	b	2637.0301
C	2639.0202	c	2637.0302
D	2639.0203	d	2637.0303
E	2639.0204	e	2637.0304
F	2639.0205	f	2637.0305
G	2639.0206	g	2637.0306
H	2639.0207	h	2637.0307
I	2639.0208	i	2637.0308
J	2639.0209	j	2637.0309
K	2639.0210	k	2637.0310
L	2639.0211	l	2637.0311
M	2639.0212	m	2637.0312
N	2639.0213	n	2637.0313
O	2639.0214	o	2637.0314
P	2639.0215	p	2637.0315
Q	2639.0216	q	2637.0316
R	2639.0217	r	2637.0317
S	2639.0218	s	2637.0318
T	2639.0219	t	2637.0319
U	2639.0220	u	2637.0320
V	2639.0221	v	2637.0321
W	2639.0222	w	2637.0322
X	2639.0223	x	2637.0323
Y	2639.0224	y	2637.0324
Z	2639.0225	z	2637.0325

KBH 16/6 Colour of ferrule	Cat. no. Bag with 20 pieces
Black	2640.0100
Brown	2640.0101
Red	2640.0102
Orange	2640.0103
Yellow	2640.0104
Green	2640.0105
Blue	2640.0106
violet	2640.0107
Grey	2640.0108
White	2640.0109

* Red sleeves
** Blue sleeves

Wire and cable markers – cable marker sleeves KSH

Cable marker sleeve KSH	KSH 11/33	KSH 6/33	KSH 4/30
<p>The KSH cable marker sleeves, used in combination with the ESS Maxicard and the GS markers, enable cables to be labelled quickly and conveniently. The KSH is simply attached to the cable using cable ties. This makes them particularly suitable for cables with large cross-sections. When used together, the Maxicard and the KSH cable marker sleeves ensure that your labels are protected from environmental influences.</p> <p>Available in three different sizes.</p> <p>Material: soft PVC, with no cadmium or silicone</p>			

Type	Appropriate markers		Appropriate markers		Appropriate markers	
Type/colour	KSH 11/33	PVC-TAPW 9x20	KSH 6/33	PVC-TPMF 4x20	KSH 4/30	MC ESS 30
Cat. no.	2384.0	100 Page 25	2383.0	100 Page 16	3896.0	100 Page 16
Colour variants	Transparent		Transparent		Transparent	
Characteristics						
Dimensions						
Length x width x height, mm	11 x 33 x 2.2		6 x 33 x 1.5		5.2 x 30 x 4	
Pocket width, mm	11		6		4.2	
Wing width, in mm	-		-		14.4	
Material						
Material	Soft PVC, no cadmium or silicone		Soft PVC, no cadmium or silicone		Soft PVC, no cadmium or silicone	
Temperature range	-30 °C to +60 °C		-30 °C to +60 °C		-30 °C to +60 °C	
Flamm. class acc. to UL 94	V-0		V-0		V-0	
Resistance	Oils, benzene, gamma and UV radiation		Oils, benzene, gamma and UV radiation		Oils, benzene, gamma and UV radiation	
Printed						
Application						
Max.number of cable ties per sleeve	2		2		1	
Max cable tie width, mm	3.6		3.6		5.4	
Accessories						
Cable ties KB						
Cat. no.	KB 140 BK		KB 140 BK		KB 140 BK	
	2672.0	1000	2672.0	1000	2672.0	1000
Maxicard MC						
Cat. no.	PVC-TAPW 9x20 WH		PVC-TPMF 4x20 WH		PVC-TPMF 4x30 WH	
	28162.7	25 1375	28102.7	16 320	28103.7	16 300



Wire and cable markers – Cable tie KB | Cable marker KKM

Cable tie KB / Cable marker KKM	KB 100	KB 200	KB 200
<p>The KB and KKM cable markers provide you with a way to label your cables quickly and simply.</p> <p>KB: The cable ties come with an integrated cable marker. The BS-1 labelling pen can be used for labelling as can the GKE labels which can be printed on with a thermal-transfer printer. Available in two lengths. Material: transparent nylon 6.6, with no halogen or silicone.</p> <p>KKM: The KKM cable markers are mainly used indoors. They are attached to the cable using cable ties. They can be labelled with GKE labels or MC GST Maxicards. They are available in two sizes. Material: polypropylene/nylon 6.6, transparent, with no halogen or silicone.</p>			
Type			
Type/colour	KB 100 BF 25x8	KB 200 BF 25x8	KB 200 BF 28.5x13
Cat. no.	3189.0	3190.0	3191.0
	Qty. 100	Qty. 100	Qty. 100
Colour variants	Transparent	Transparent	Transparent
Characteristics			
Dimensions			
Length x width, mm	100 x 2.5	200 x 2.5	200 x 4.6
Length x width of labelling field, mm	8 x 25	8 x 25	28.5 x 13
Material			
Material	Nylon 6.6, no halogen or silicone	Nylon 6.6, no halogen or silicone	Nylon 6.6, no halogen or silicone
Temperature range	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Inscription options			
Labelling pen	BS-1	BS-1	BS-1
Labels	GKE	GKE	GKE
Maxicard	-	-	-
Application			
Max. insulation diameter, mm	24	52	46
Max. number of cable ties	-	-	-
Max cable tie width, mm	-	-	-
Accessories			
Labels GKE YE	GKE 20/8 YE 1 roll of 3903.8	GKE 20/8 YE 1 roll of 3903.8	GKE 20/8 YE 1 roll of 3903.8
Cat. no.	56 10000 pieces	56 10000 pieces	56 10000 pieces
Labels GKE silver	GKE 20/8 SI 1 roll of 3903.0	GKE 20/8 SI 1 roll of 3903.0	GKE 20/8 SI 1 roll of 3903.0
Cat. no.	56 10000 pieces	56 10000 pieces	56 10000 pieces
Labels GKE WH	GKE 20/8 WH 1 roll of 3903.7	GKE 20/8 WH 1 roll of 3903.7	GKE 20/8 WH 1 roll of 3903.7
Cat. no.	56 10000 pieces	56 10000 pieces	56 10000 pieces
Labels GKE YE	GKE 20/8 A4 GE 10 sheets of 3922.8	GKE 20/8 A4 GE 10 sheets of 3922.8	GKE 20/8 A4 GE 10 sheets of 3922.8
Cat. no.	57 264 pieces	57 264 pieces	57 156 pieces
Labels GKE WH	GKE 20/ 8 A4 WH 10 sheets of 3922.7	GKE 20/ 8 A4 WH 10 sheets of 3922.7	GKE 26/ 10 A4 WH 10 sheets of 3924.7
Cat. no.	57 264 pieces	57 264 pieces	57 156 pieces
Maxicard MC			
Cat. no.			
Labelling pen	BS-1	BS-1	BS-1
Cat. no.	2034.0	2034.0	2034.0
Cable ties KB			
Cat. no.			

KKM 34 x 10



KKM 45 x 20



Qty.	
KKM 34x10	
3192.0	100

Qty.	
KKM 45x20	
3193.0	100

Transparent

Transparent

34 x 10
31 x 7

45 x 20
40 x 19

Polypropylene, no halogen
or silicone
-40 °C to +105 °C

Polypropylene, no halogen
or silicone
-40 °C to +105 °C

-
GKE
MC GST

-
GKE
-

1
8.5

1
8.5

Page Qty.

Page Qty.

GKE 30/6 WH 1 roll of
3917.7 56 10000 pieces

GKE 38/19 YE 1 roll of
3909.8 56 2,000 pieces
GKE 38/19 SI 1 roll of
3909.0 56 2,000 pieces
GKE 38/19 WH 1 roll of
3909.7 56 2,000 pieces

PVC-TAPW 9x29 WH
28163.7 25 750

KB 140 BK
2672.0 1000

KB 140 BK
2672.0 1000

Wire and cable markers – cable marker sleeves KBH-S

Cable marker sleeve KBH-S

KBH-S cable marker sleeves provide a safe, quick and simple solution for marking wires. Best used for wire cross-sections of 70 mm² or larger. Quick attachment with **KH** holders and cable ties.

- Unlimited combination possibilities.
- Easy to read with high-contrast typeface.
- Torsion resistant and captive.
- Resistant to environmental influences.

Material: soft PVC, with no cadmium or silicone
Halogen-free markers (**KBHZ-S**) are available on request.



KBH-S4



KBH-S4



Type	Qty.
Type/colour Cat. no.	KBH-S4 neutral YE 2691.0104 100
Type/colour Cat. no.	KBH-S4 neutral YE 2671.0104 500

Colour variants	Yellow
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Characteristics

Dimensions

Length, in mm	4
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Material

Material	Soft PVC, no cadmium or silicone
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Temperature range	Dimensionally stable from -30 °C to +60 °C
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Flamm. class acc. to UL 94	V-0
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Resistance	Oils, benzene, gamma and UV radiation
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Printed

Printing process	Hot stamped
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Labelling pen	BS-1
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Application

Wire cross-section, in mm ²	≥ 70
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Outer diameter of insulation, mm	≥ 16
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Accessories

Cat. no.	Qty.
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Holder KH	KH 70 BK 2654.0 100
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Cable ties KB	KH 110 BK 2655.0 100
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	KB 140 BK 2672.0 1000
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KBH-S4 Yellow Printed	Cat. no. Bag with 100 pieces	KBH-S4 Yellow Printed	Cat. no. Bag with 100 pieces	KBH-S4 Yellow Printed	Cat. no. Roll with 500 pieces	KBH-S4 Yellow Printed	Cat. no. Roll with 500 pieces
0	2690.0000	+	2690.0419	0	2666.0000	+	2666.0419
1	2690.0001	-	2690.0420	1	2666.0001	-	2666.0420
2	2690.0002	/	2690.0402	2	2666.0002	/	2666.0402
3	2690.0003	.	2690.0403	3	2666.0003	.	2666.0403
4	2690.0004	:	2690.0404	4	2666.0004	:	2666.0404
5	2690.0005	=	2690.0405	5	2666.0005	=	2666.0405
6	2690.0006	±	2690.0406	6	2666.0006	±	2666.0406
7	2690.0007	⊕	2690.0407	7	2666.0007	⊕	2666.0407
8	2690.0008	~	2690.0408	8	2666.0008	~	2666.0408
9	2690.0009	+*	2690.0400	9	2666.0009	+*	2666.0400
		-**	2690.0401			-**	2666.0401
A	2690.0200	a	2690.0300	A	2666.0200	a	2666.0300
B	2690.0201	b	2690.0301	B	2666.0201	b	2666.0301
C	2690.0202	c	2690.0302	C	2666.0202	c	2666.0302
D	2690.0203	d	2690.0303	D	2666.0203	d	2666.0303
E	2690.0204	e	2690.0304	E	2666.0204	e	2666.0304
F	2690.0205	f	2690.0305	F	2666.0205	f	2666.0305
G	2690.0206	g	2690.0306	G	2666.0206	g	2666.0306
H	2690.0207	h	2690.0307	H	2666.0207	h	2666.0307
I	2690.0208	i	2690.0308	I	2666.0208	i	2666.0308
J	2690.0209	j	2690.0309	J	2666.0209	j	2666.0309
K	2690.0210	k	2690.0310	K	2666.0210	k	2666.0310
L	2690.0211	l	2690.0311	L	2666.0211	l	2666.0311
M	2690.0212	m	2690.0312	M	2666.0212	m	2666.0312
N	2690.0213	n	2690.0313	N	2666.0213	n	2666.0313
O	2690.0214	o	2690.0314	O	2666.0214	o	2666.0314
P	2690.0215	p	2690.0315	P	2666.0215	p	2666.0315
Q	2690.0216	q	2690.0316	Q	2666.0216	q	2666.0316
R	2690.0217	r	2690.0317	R	2666.0217	r	2666.0317
S	2690.0218	s	2690.0318	S	2666.0218	s	2666.0318
T	2690.0219	t	2690.0319	T	2666.0219	t	2666.0319
U	2690.0220	u	2690.0320	U	2666.0220	u	2666.0320
V	2690.0221	v	2690.0321	V	2666.0221	v	2666.0321
W	2690.0222	w	2690.0322	W	2666.0222	w	2666.0322
X	2690.0223	x	2690.0323	X	2666.0223	x	2666.0323
Y	2690.0224	y	2690.0324	Y	2666.0224	y	2666.0324
Z	2690.0225	z	2690.0325	Z	2666.0225	z	2666.0325

KBH-S4 Colour of ferrule	Cat. no. Bag with 100 pieces	KBH-S4 Sleeve colour	Cat. no. Roll with 500 pieces
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Black	2691.0100	Black	2671.0100
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Brown	2691.0101	Brown	2671.0101
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Red	2691.0102	Red	2671.0102
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Orange	2691.0103	Orange	2671.0103
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Yellow	2691.0104	Yellow	2671.0104
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Green	2691.0105	Green	2671.0105
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Blue	2691.0106	Blue	2671.0106
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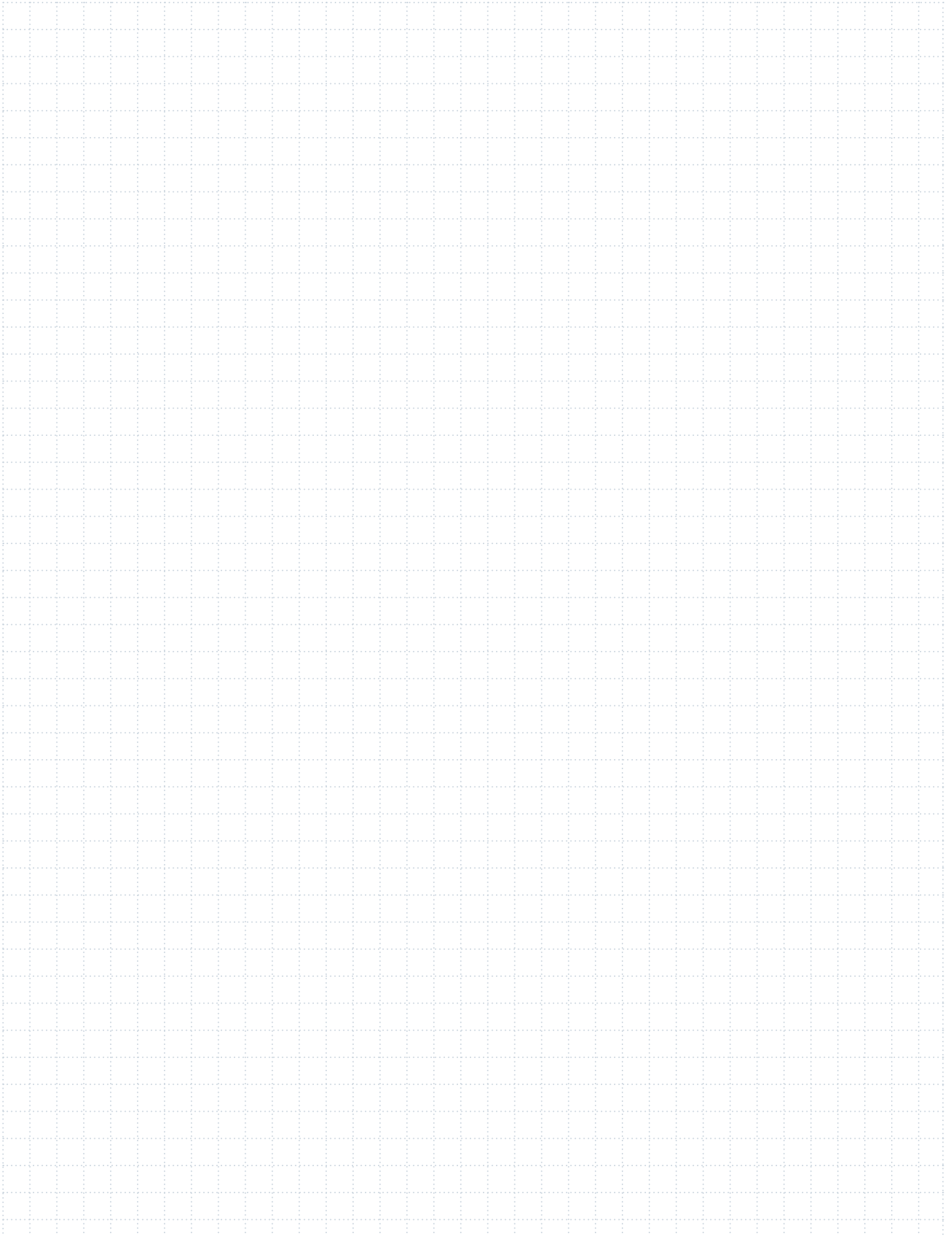
violet	2691.0107	violet	2671.0107
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Grey	2691.0108	Grey	2671.0108
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White	2691.0109	White	2671.0109
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* Red sleeves
** Blue sleeves

Notes



Types and catalogue numbers alphabetic

Type	Cat. no.	Page	Type	Cat. no.	Page	Type	Cat. no.	Page
A			GKE 30/20 A4 YE	3925.8	57	KBH 10/4 print "B"	2637.0201	60
AD-PS 15X1.000	28280.0	37	GKE 30/20 SI	3907.0	56	KBH 10/4 print "b"	2637.0301	60, 61
AD-PS 15X430	28279.0	37	GKE 30/20 WH	3907.7	56	KBH 10/4 print "C"	2162.0202	60
AD-PS 15X650	28281.0	37	GKE 30/20 YE	3907.8	56	KBH 10/4 print "c"	2162.0302	60
AD-PS 9X1.000	28283.0	37	GKE 30/6 WH	3917.7	56	KBH 10/4 print "C"	2637.0202	60
AQI 3/10/18 YE	3992.8	57	GKE 32/9 SI	3908.0	56	KBH 10/4 print "c"	2637.0302	60, 61
			GKE 32/9 WH	3908.7	56	KBH 10/4 print "D"	2162.0203	60
C			GKE 32/9 YE	3908.8	56	KBH 10/4 print "d"	2162.0303	60
CCI-PC-CPM-01	28023.0	9, 13	GKE 38/19 SI	3909.0	56	KBH 10/4 print "D"	2637.0203	60
CCI-PC-CPM-05/12	28024.0	9, 13, 14, 21	GKE 38/19 WH	3909.7	56	KBH 10/4 print "d"	2637.0303	60, 61
			GKE 38/19 YE	3909.8	56	KBH 10/4 print "E"	2162.0204	60
CCI-PC-CPM-06	28025.0	9, 14	GKE 45/10 WH	88607.0	56	KBH 10/4 print "e"	2162.0304	60
CCI-PC-CPM-09	28026.0	9, 14	GKE 45/23 SI	3910.0	56	KBH 10/4 print "E"	2637.0204	60
CCI-PC-CPM-10/BSTR	28027.0	9, 12, 14	GKE 45/23 WH	3910.7	56	KBH 10/4 print "e"	2637.0304	60, 61
			GKE 45/23 YE	3910.8	56	KBH 10/4 print "Earth with circle"	2162.0407	60
CCI-PC-CPM-13	28028.0	14	GKE 56/ 22 A4 WH	3926.7	57	KBH 10/4 print "Earth"	2637.0407	60
CCI-PC-CPM/SPM	28042.0	9, 13, 14, 21	GKE 56/22 A4 YE	3926.8	57	KBH 10/4 print "Earth"	2637.0406	60
			GKE 60/36 A4 WH	3927.7	57	KBH 10/4 print "Earth"	2637.0406	60
CCI-PC-SB 3.5X5	28366.0	12	GKE 60/36 A4 YE	3927.8	57	KBH 10/4 print "F"	2162.0205	60
CCI-PC-SB 5X5	28020.0	9, 12	GKE 65/35 SI	3911.0	56	KBH 10/4 print "f"	2162.0305	60
CCI-PC-SB 6x5	28047.0	9, 12	GKE 65/35 WH	3911.7	56	KBH 10/4 print "F"	2637.0205	60
CCI-PC-SB 7.5x4	28046.0	9, 12	GKE 65/35 YE	3911.8	56	KBH 10/4 print "f"	2637.0305	60, 61
CCI-PC-SPM-02	28029.0	21	GST-H 27x12.5 BK	9803.4	36	KBH 10/4 print "G"	2162.0206	60
CCI-PC-TDM	28021.0	9, 17	GST-H 27x18 BK	9804.4	36	KBH 10/4 print "g"	2162.0306	60
CCI-PC-TDMO	28022.0	9, 17, 18	GST-H 27x27 BK	9805.4	36	KBH 10/4 print "G"	2637.0206	60
			GST-H 27x8 BK	9802.4	36	KBH 10/4 print "g"	2637.0306	60, 61
CCI-PC-TPM	28040.0	9	GSU-H 17x15 BK	3827.4	35	KBH 10/4 print "H"	2162.0207	60
CCI-PC/PVC/PVCF	28041.0	9, 15, 16, 19, 20, 22-32	GSU-H 17x15 BK	3828.4	35	KBH 10/4 print "h"	2162.0307	60
			GSU-H 49x15 BK	3829.4	35	KBH 10/4 print "H"	2637.0207	60
			GSU-H 60x15 BK	3830.4	35	KBH 10/4 print "h"	2637.0307	60, 61
			GSU-H 60x30 BK	3850.4	35	KBH 10/4 print "I"	2162.0208	60
			GSU-H 67x15 BK	28278.4	35	KBH 10/4 print "i"	2162.0308	60
			GSU-H 85.4x54 BK	3851.4	35	KBH 10/4 print "I"	2637.0208	60
						KBH 10/4 print "i"	2637.0308	60, 61
F			K			KBH 10/4 print "J"	2162.0209	60
Film TTPCard BK	28010.4	9	KB 100 BF 25x8	3189.0	64	KBH 10/4 print "j"	2162.0309	60
Film TTPCard BU	28010.5	9	KB 200 BF 25x8	3190.0	64	KBH 10/4 print "J"	2637.0209	60
Film TTPCard GN	28010.1	9	KB 200 BF 28.5x13	3191.0	64	KBH 10/4 print "j"	2637.0309	60, 61
Film TTPCard RD	28010.9	9	KBH 10/4 print " : "	2162.0404	60	KBH 10/4 print "K"	2162.0210	60
Film TTPCard SI	28010.0	9	KBH 10/4 print " : "	2637.0404	60	KBH 10/4 print "k"	2162.0310	60
Film TTPCard WH	28010.7	9	KBH 10/4 print " . "	2162.0403	60	KBH 10/4 print "K"	2637.0210	60
			KBH 10/4 print " . "	2637.0403	60	KBH 10/4 print "k"	2637.0310	60, 61
G			KBH 10/4 print " / "	2162.0402	60	KBH 10/4 print "L"	2162.0211	60
GKE 10/7 YE	3914.8	56	KBH 10/4 print " / "	2637.0402	60	KBH 10/4 print "l"	2162.0311	60
GKE 101/48 SI	3912.0	56	KBH 10/4 print " ~ "	2162.0408	60	KBH 10/4 print "L"	2637.0211	60
GKE 101/74 SI	3913.0	56	KBH 10/4 print " ~ "	2637.0408	60	KBH 10/4 print "l"	2637.0311	60, 61
GKE 105/ 148 A4 WH	3928.7	57	KBH 10/4 print " - "	2162.0420	60	KBH 10/4 print "M"	2162.0212	60
GKE 105/148 A4 YE	3928.8	57	KBH 10/4 print " - "	2637.0420	60	KBH 10/4 print "m"	2162.0312	60
GKE 15/ 4.6 A4 WH	3920.7	57	KBH 10/4 print " - BU	2162.0401	60	KBH 10/4 print "M"	2637.0212	60
GKE 15/4.6 A4 YE	3920.8	57	KBH 10/4 print "- BU	2637.0401	60	KBH 10/4 print "m"	2637.0312	60, 61
GKE 15/ 6 A4 WH	3921.7	57	KBH 10/4 print "+"	2162.0419	60	KBH 10/4 print "N"	2162.0213	60
GKE 15/6 A4 YE	3921.8	57	KBH 10/4 print "+"	2637.0419	60	KBH 10/4 print "n"	2162.0313	60
GKE 15/6 SI	3900.0	56	KBH 10/4 print "+ RD	2162.0400	60	KBH 10/4 print "N"	2637.0213	60
GKE 15/6 WH	3900.7	56	KBH 10/4 print "+ RD	2637.0400	60	KBH 10/4 print "n"	2637.0313	60, 61
GKE 15/6 YE	3900.8	56	KBH 10/4 print " = "	2162.0405	60	KBH 10/4 print "O"	2162.0214	60
GKE 17/ 9 A4 WH	88517.7	57	KBH 10/4 print " = "	2637.0405	60	KBH 10/4 print "o"	2162.0314	60
GKE 17/9 A4 YE	88517.0	57	KBH 10/4 print "0"	2162.0000	60	KBH 10/4 print "O"	2637.0214	60
GKE 18/6 SI	3901.0	56	KBH 10/4 print "0"	2637.0000	60	KBH 10/4 print "o"	2637.0314	60, 61
GKE 18/6 WH	3901.7	56	KBH 10/4 print "1"	2162.0001	60	KBH 10/4 print "P"	2162.0215	60
GKE 18/6 YE	3901.8	56	KBH 10/4 print "1"	2637.0001	60	KBH 10/4 print "p"	2162.0315	60
GKE 18/9 SI	3902.0	56	KBH 10/4 print "2"	2162.0002	60	KBH 10/4 print "P"	2637.0215	60
GKE 18/9 WH	3902.7	56	KBH 10/4 print "2"	2637.0002	60	KBH 10/4 print "p"	2637.0315	60, 61
GKE 18/9 YE	3902.8	56	KBH 10/4 print "3"	2162.0003	60	KBH 10/4 print "Q"	2162.0216	60
GKE 20/8 A4 GE	3922.8	64	KBH 10/4 print "3"	2637.0003	60	KBH 10/4 print "q"	2162.0316	60
GKE 20/ 8 A4 WH	3922.7	57	KBH 10/4 print "4"	2162.0004	60	KBH 10/4 print "Q"	2637.0216	60
GKE 20/8 SI	3903.0	56	KBH 10/4 print "4"	2637.0004	60	KBH 10/4 print "q"	2637.0316	60, 61
GKE 20/8 WH	3903.7	56	KBH 10/4 print "5"	2162.0005	60	KBH 10/4 print "R"	2162.0217	60
GKE 20/8 YE	3903.8	56	KBH 10/4 print "5"	2637.0005	60	KBH 10/4 print "r"	2162.0317	60
GKE 21.5/21.5 SI	3915.0	56	KBH 10/4 print "6"	2162.0006	60	KBH 10/4 print "R"	2637.0217	60
GKE 210/ 148 A4 WH	3929.7	57	KBH 10/4 print "6"	2637.0006	60	KBH 10/4 print "r"	2637.0317	60, 61
GKE 210/148 A4 YE	3929.8	57	KBH 10/4 print "7"	2162.0007	60	KBH 10/4 print "T"	2162.0219	60
GKE 25.4/ 12.7 A4 WH	3923.7	57	KBH 10/4 print "7"	2637.0007	60	KBH 10/4 print "t"	2162.0319	60
GKE 25.4/12.7 A4 YE	3923.8	57	KBH 10/4 print "8"	2162.0008	60	KBH 10/4 print "T"	2637.0219	60
GKE 25/12 SI	3904.0	56	KBH 10/4 print "8"	2637.0008	60	KBH 10/4 print "t"	2637.0319	60, 61
GKE 25/12 WH	3904.7	56	KBH 10/4 print "9"	2162.0009	60	KBH 10/4 print "U"	2162.0220	60
GKE 25/12 YE	3904.8	56	KBH 10/4 print "9"	2637.0009	60	KBH 10/4 print "u"	2162.0320	60
GKE 26.5/17.5 SI	3906.0	56	KBH 10/4 print "A"	2162.0200	60	KBH 10/4 print "U"	2637.0220	60
GKE 26/ 10 A4 WH	3924.7	57	KBH 10/4 print "a"	2162.0300	60	KBH 10/4 print "u"	2637.0320	60, 61
GKE 26/10 A4 YE	3924.8	57	KBH 10/4 print "A"	2637.0200	60			
GKE 26/10 SI	3905.0	56	KBH 10/4 print "a"	2637.0300	60, 61			
GKE 26/10 WH	3905.7	56	KBH 10/4 print "B"	2162.0201	60			
GKE 26/10 YE	3905.8	56	KBH 10/4 print "b"	2162.0301	60			
GKE 27/27 SI	3916.0	56						
GKE 30/ 20 A4 WH	3925.7	57						

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KBH 10/4 print "v"	2162.0321	60	KBH 16/6 print "I"	2639.0208	61	KBH 3/3 print "Earth"	2156.0406	58
KBH 10/4 print "V"	2637.0221	60	KBH 16/6 print "J"	2639.0209	61	KBH 3/3 print "Earth"	2630.0406	58
KBH 10/4 print "v"	2637.0321	60, 61	KBH 16/6 print "K"	2639.0210	61	KBH 3/3 print "F"	2156.0205	58
KBH 10/4 print "W"	2162.0222	60	KBH 16/6 print "L"	2639.0211	61	KBH 3/3 print "f"	2156.0305	58
KBH 10/4 print "w"	2162.0322	60	KBH 16/6 print "M"	2639.0212	61	KBH 3/3 print "F"	2630.0205	58
KBH 10/4 print "W"	2637.0222	60	KBH 16/6 print "N"	2639.0213	61	KBH 3/3 print "f"	2630.0305	58
KBH 10/4 print "w"	2637.0322	60, 61	KBH 16/6 print "O"	2639.0214	61	KBH 3/3 print "G"	2156.0206	58
KBH 10/4 print "X"	2162.0223	60	KBH 16/6 print "P"	2639.0215	61	KBH 3/3 print "g"	2156.0306	58
KBH 10/4 print "x"	2162.0323	60	KBH 16/6 print "Q"	2639.0216	61	KBH 3/3 print "G"	2630.0206	58
KBH 10/4 print "X"	2637.0223	60	KBH 16/6 print "R"	2639.0217	61	KBH 3/3 print "g"	2630.0306	58
KBH 10/4 print "x"	2637.0323	60, 61	KBH 16/6 print "S"	2639.0218	61	KBH 3/3 print "H"	2156.0207	58
KBH 10/4 print "Y"	2162.0224	60	KBH 16/6 print "T"	2639.0219	61	KBH 3/3 print "h"	2156.0307	58
KBH 10/4 print "y"	2162.0324	60	KBH 16/6 print "U"	2639.0220	61	KBH 3/3 print "H"	2630.0207	58
KBH 10/4 print "Y"	2637.0224	60	KBH 16/6 print "V"	2639.0221	61	KBH 3/3 print "h"	2630.0307	58
KBH 10/4 print "y"	2637.0324	60, 61	KBH 16/6 print "W"	2639.0222	61	KBH 3/3 print "I"	2156.0208	58
KBH 10/4 print "Z"	2162.0225	60	KBH 16/6 print "X"	2639.0223	61	KBH 3/3 print "i"	2156.0308	58
KBH 10/4 print "z"	2162.0325	60	KBH 16/6 print "Y"	2639.0224	61	KBH 3/3 print "I"	2630.0208	58
KBH 10/4 print "Z"	2637.0225	60	KBH 16/6 print "Z"	2639.0225	61	KBH 3/3 print "I"	2630.0308	58
KBH 10/4 print "z"	2637.0325	60, 61	KBH 16/6 neutral BK	2640.0100	61	KBH 3/3 print "J"	2156.0209	58
KBH 10/4 BK print "0"	2589.0000	60	KBH 16/6 neutral BN	2640.0101	61	KBH 3/3 print "j"	2156.0309	58
KBH 10/4 BN print "1"	2589.0001	60	KBH 16/6 neutral BU	2640.0106	61	KBH 3/3 print "J"	2630.0209	58
KBH 10/4 BU print "6"	2589.0006	60	KBH 16/6 neutral GN	2640.0105	61	KBH 3/3 print "j"	2630.0309	58
KBH 10/4 GN print "5"	2589.0005	60	KBH 16/6 neutral GR	2640.0108	61	KBH 3/3 print "K"	2156.0210	58
KBH 10/4 GR print "8"	2589.0008	60	KBH 16/6 neutral OG	2640.0103	61	KBH 3/3 print "k"	2156.0310	58
KBH 10/4 neutral BK	2148.0100	60	KBH 16/6 neutral RD	2640.0102	61	KBH 3/3 print "K"	2630.0210	58
KBH 10/4 neutral BN	2148.0101	60	KBH 16/6 neutral VT	2640.0107	61	KBH 3/3 print "k"	2630.0310	58
KBH 10/4 neutral BU	2148.0106	60	KBH 16/6 neutral WH	2640.0109	61	KBH 3/3 print "L"	2156.0211	58
KBH 10/4 neutral BU	2638.0106	60	KBH 16/6 neutral YE	2640.0104	61	KBH 3/3 print "L"	2630.0211	58
KBH 10/4 neutral GN	2148.0105	60	KBH 3/3 print " : "	2156.0404	58	KBH 3/3 print "l"	2630.0311	58
KBH 10/4 neutral GN	2638.0105	60	KBH 3/3 print " : "	2630.0404	58	KBH 3/3 print "l" -small	2156.0311	58
KBH 10/4 neutral GR	2148.0108	60	KBH 3/3 print " . "	2156.0403	58	KBH 3/3 print "M"	2156.0212	58
KBH 10/4 neutral GR	2638.0108	60	KBH 3/3 print " . "	2630.0403	58	KBH 3/3 print "m"	2156.0312	58
KBH 10/4 neutral OG	2148.0103	60	KBH 3/3 print " / "	2156.0402	58	KBH 3/3 print "M"	2630.0212	58
KBH 10/4 neutral OG	2638.0103	60	KBH 3/3 print " / "	2630.0402	58	KBH 3/3 print "m"	2630.0312	58
KBH 10/4 neutral RD	2148.0102	60	KBH 3/3 print " = "	2156.0405	58	KBH 3/3 print "N"	2156.0213	58
KBH 10/4 neutral RD	2638.0102	60	KBH 3/3 print " = "	2630.0405	58	KBH 3/3 print "n"	2156.0313	58
KBH 10/4 neutral VT	2148.0107	60	KBH 3/3 print " ~ "	2156.0408	58	KBH 3/3 print "N"	2630.0213	58
KBH 10/4 neutral VT	2638.0107	60	KBH 3/3 print " ~ "	2630.0408	58	KBH 3/3 print "n"	2630.0313	58
KBH 10/4 neutral WH	2148.0109	60	KBH 3/3 print " - "	2156.0420	58	KBH 3/3 print "O"	2156.0214	58
KBH 10/4 neutral WH	2638.0109	60	KBH 3/3 print " - "	2630.0420	58	KBH 3/3 print "o"	2156.0314	58
KBH 10/4 neutral YE	2148.0104	60	KBH 3/3 print "- " BU	2156.0401	58	KBH 3/3 print "O"	2630.0214	58
KBH 10/4 neutral YE	2638.0104	60	KBH 3/3 print "- " BU	2630.0401	58	KBH 3/3 print "o"	2630.0314	58
KBH 10/4 OG print "3"	2589.0003	60	KBH 3/3 print "+ "	2156.0419	58	KBH 3/3 print "P"	2156.0215	58
KBH 10/4 RD print "2"	2589.0002	60	KBH 3/3 print "+ "	2630.0419	58	KBH 3/3 print "p"	2156.0315	58
KBH 10/4 VT print "7"	2589.0007	60	KBH 3/3 print "+ " RD	2156.0400	58	KBH 3/3 print "P"	2630.0215	58
KBH 10/4 WH print "9"	2589.0009	60	KBH 3/3 print "+ " RD	2630.0400	58	KBH 3/3 print "p"	2630.0315	58
KBH 10/4 YE print "4"	2589.0004	60	KBH 3/3 print "0"	2156.0000	58	KBH 3/3 print "Q"	2156.0216	58
KBH 10/6 print "A1"	2695.0417	60	KBH 3/3 print "0"	2630.0000	58	KBH 3/3 print "q"	2156.0316	58
KBH 10/6 print "A2"	2695.0418	60	KBH 3/3 print "1"	2156.0001	58	KBH 3/3 print "Q"	2630.0216	58
KBH 10/6 print "L1"	2695.0409	60	KBH 3/3 print "1"	2630.0001	58	KBH 3/3 print "q"	2630.0316	58
KBH 10/6 print "L2"	2695.0410	60	KBH 3/3 print "2"	2156.0002	58	KBH 3/3 print "R"	2156.0217	58
KBH 10/6 print "L3"	2695.0411	60	KBH 3/3 print "2"	2630.0002	58	KBH 3/3 print "r"	2156.0317	58
KBH 10/6 print "MP"	2695.0412	60	KBH 3/3 print "3"	2156.0003	58	KBH 3/3 print "R"	2630.0217	58
KBH 10/6 print "PE"	2695.0413	60	KBH 3/3 print "3"	2630.0003	58	KBH 3/3 print "r"	2630.0317	58
KBH 10/6 print "X1"	2695.0414	60	KBH 3/3 print "4"	2156.0004	58	KBH 3/3 print "S"	2156.0218	58
KBH 10/6 print "X2"	2695.0415	60	KBH 3/3 print "4"	2630.0004	58	KBH 3/3 print "s"	2156.0318	58
KBH 10/6 print "X3"	2695.0416	60	KBH 3/3 print "5"	2156.0005	58	KBH 3/3 print "S"	2630.0218	58
KBH 16/6 print " : "	2639.0404	61	KBH 3/3 print "5"	2630.0005	58	KBH 3/3 print "s"	2630.0318	58
KBH 16/6 print " . "	2639.0403	61	KBH 3/3 print "6"	2156.0006	58	KBH 3/3 print "T"	2156.0219	58
KBH 16/6 print " / "	2639.0402	61	KBH 3/3 print "6"	2630.0006	58	KBH 3/3 print "t"	2156.0319	58
KBH 16/6 print " = "	2639.0405	61	KBH 3/3 print "7"	2156.0007	58	KBH 3/3 print "T"	2630.0219	58
KBH 16/6 print " ~ "	2639.0408	61	KBH 3/3 print "7"	2630.0007	58	KBH 3/3 print "t"	2630.0319	58
KBH 16/6 print " - "	2639.0420	61	KBH 3/3 print "8"	2156.0008	58	KBH 3/3 print "U"	2156.0220	58
KBH 16/6 print "- " BU	2639.0401	61	KBH 3/3 print "8"	2630.0008	58	KBH 3/3 print "u"	2156.0320	58
KBH 16/6 print "+ "	2639.0419	61	KBH 3/3 print "9"	2156.0009	58	KBH 3/3 print "U"	2630.0220	58
KBH 16/6 print "+ " RD	2639.0400	61	KBH 3/3 print "9"	2630.0009	58	KBH 3/3 print "u"	2630.0320	58
KBH 16/6 print "0"	2639.0000	61	KBH 3/3 print "A"	2156.0200	58	KBH 3/3 print "V"	2156.0221	58
KBH 16/6 print "1"	2639.0001	61	KBH 3/3 print "A"	2156.0300	58	KBH 3/3 print "v"	2156.0321	58
KBH 16/6 print "2"	2639.0002	61	KBH 3/3 print "A"	2630.0200	58	KBH 3/3 print "V"	2630.0221	58
KBH 16/6 print "3"	2639.0003	61	KBH 3/3 print "a"	2630.0300	58	KBH 3/3 print "v"	2630.0321	58
KBH 16/6 print "4"	2639.0004	61	KBH 3/3 print "B"	2156.0201	58	KBH 3/3 print "W"	2156.0222	58
KBH 16/6 print "5"	2639.0005	61	KBH 3/3 print "B"	2156.0301	58	KBH 3/3 print "w"	2156.0322	58
KBH 16/6 print "6"	2639.0006	61	KBH 3/3 print "b"	2630.0201	58	KBH 3/3 print "W"	2630.0222	58
KBH 16/6 print "7"	2639.0007	61	KBH 3/3 print "b"	2630.0301	58	KBH 3/3 print "w"	2630.0322	58
KBH 16/6 print "8"	2639.0008	61	KBH 3/3 print "C"	2156.0202	58	KBH 3/3 print "X"	2156.0223	58
KBH 16/6 print "9"	2639.0009	61	KBH 3/3 print "C"	2156.0302	58	KBH 3/3 print "x"	2156.0323	58
KBH 16/6 print "A"	2639.0200	61	KBH 3/3 print "C"	2630.0202	58	KBH 3/3 print "X"	2630.0223	58
KBH 16/6 print "B"	2639.0201	61	KBH 3/3 print "c"	2630.0302	58	KBH 3/3 print "x"	2630.0323	58
KBH 16/6 print "C"	2639.0202	61	KBH 3/3 print "D"	2156.0203	58	KBH 3/3 print "Y"	2156.0224	58
KBH 16/6 print "D"	2639.0203	61	KBH 3/3 print "D"	2156.0303	58	KBH 3/3 print "y"	2156.0324	58
KBH 16/6 print "E"	2639.0204	61	KBH 3/3 print "d"	2630.0203	58	KBH 3/3 print "Y"	2630.0224	58
KBH 16/6 print "Earth with circle"	2639.0407	61	KBH 3/3 print "d"	2630.0303	58	KBH 3/3 print "y"	2630.0324	58
KBH 16/6 print "Earth"	2639.0406	61	KBH 3/3 print "E"	2156.0204	58	KBH 3/3 print "Z"	2156.0225	58
KBH 16/6 print "F"	2639.0205	61	KBH 3/3 print "e"	2156.0304	58	KBH 3/3 print "z"	2156.0325	58
KBH 16/6 print "G"	2639.0206	61	KBH 3/3 print "E"	2630.0204	58	KBH 3/3 print "Z"	2630.0225	58
			KBH 3/3 print "e"	2630.0304	58	KBH 3/3 print "z"	2630.0325	58
			KBH 3/3 print "Earth with circle"	2156.0407	58	KBH 3/3 BK print "0"	2597.0000	58

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KBH 3/3 BU print "6"	2597.0006	58	KBH 5/3 print "j"	2632.0309	59	KBH 5/3 print "M"	2160.0212	59
KBH 3/3 GN print "5"	2597.0005	58	KBH 5/3 print "K"	2632.0210	59	KBH 5/3 print "m"	2160.0312	59
KBH 3/3 GR print "8"	2597.0008	58	KBH 5/3 print "k"	2632.0310	59	KBH 5/3 print "N"	2160.0213	59
KBH 3/3 neutral BK	2142.0100	58	KBH 5/3 print "L"	2632.0211	59	KBH 5/3 print "n"	2160.0313	59
KBH 3/3 neutral BK	2631.0100	58	KBH 5/3 print "l"	2632.0311	59	KBH 5/3 print "O"	2160.0214	59
KBH 3/3 neutral BN	2142.0101	58	KBH 5/3 print "M"	2632.0212	59	KBH 5/3 print "o"	2160.0314	59
KBH 3/3 neutral BN	2631.0101	58	KBH 5/3 print "m"	2632.0312	59	KBH 5/3 print "P"	2160.0215	59
KBH 3/3 neutral BU	2142.0106	58	KBH 5/3 print "N"	2632.0213	59	KBH 5/3 print "p"	2160.0315	59
KBH 3/3 neutral BU	2631.0106	58	KBH 5/3 print "n"	2632.0313	59	KBH 5/3 print "Q"	2160.0216	59
KBH 3/3 neutral GN	2142.0105	58	KBH 5/3 print "O"	2632.0214	59	KBH 5/3 print "q"	2160.0316	59
KBH 3/3 neutral GN	2631.0105	58	KBH 5/3 print "o"	2632.0314	59	KBH 5/3 print "R"	2160.0217	59
KBH 3/3 neutral GR	2142.0108	58	KBH 5/3 print "o"	2632.0315	59	KBH 5/3 print "r"	2160.0317	59
KBH 3/3 neutral GR	2631.0108	58	KBH 5/3 print "P"	2632.0215	59	KBH 5/3 print "S"	2160.0218	59
KBH 3/3 neutral OG	2142.0103	58	KBH 5/3 print "Q"	2632.0216	59	KBH 5/3 print "s"	2160.0318	59
KBH 3/3 neutral OG	2631.0103	58	KBH 5/3 print "q"	2632.0316	59	KBH 5/3 print "T"	2160.0219	59
KBH 3/3 neutral RD	2142.0102	58	KBH 5/3 print "R"	2632.0217	59	KBH 5/3 print "t"	2160.0319	59
KBH 3/3 neutral RD	2631.0102	58	KBH 5/3 print "r"	2632.0317	59	KBH 5/3 print "U"	2160.0220	59
KBH 3/3 neutral VT	2142.0107	58	KBH 5/3 print "S"	2632.0218	59	KBH 5/3 print "u"	2160.0320	59
KBH 3/3 neutral VT	2631.0107	58	KBH 5/3 print "s"	2632.0318	59	KBH 5/3 print "V"	2160.0221	59
KBH 3/3 neutral WH	2142.0109	58	KBH 5/3 print "T"	2632.0219	59	KBH 5/3 print "v"	2160.0321	59
KBH 3/3 neutral WH	2631.0109	58	KBH 5/3 print "t"	2632.0319	59	KBH 5/3 print "W"	2160.0222	59
KBH 3/3 neutral YE	2142.0104	58	KBH 5/3 print "U"	2632.0220	59	KBH 5/3 print "w"	2160.0322	59
KBH 3/3 neutral YE	2631.0104	58	KBH 5/3 print "u"	2632.0320	59	KBH 5/3 print "X"	2160.0223	59
KBH 3/3 OG print "3"	2597.0003	58	KBH 5/3 print "V"	2632.0221	59	KBH 5/3 print "x"	2160.0323	59
KBH 3/3 RD print "2"	2597.0002	58	KBH 5/3 print "v"	2632.0321	59	KBH 5/3 print "Y"	2160.0224	59
KBH 3/3 VT print "7"	2597.0007	58	KBH 5/3 print "W"	2632.0222	59	KBH 5/3 print "y"	2160.0324	59
KBH 3/3 WH print "9"	2597.0009	58	KBH 5/3 print "w"	2632.0322	59	KBH 5/3 print "Z"	2160.0225	59
KBH 3/3 YE print "4"	2597.0004	58	KBH 5/3 print "X"	2632.0223	59	KBH 5/3 print "z"	2160.0325	59
KBH 3/6 print "A1"	2675.0417	58	KBH 5/3 print "x"	2632.0323	59	KBH 5/3 BK print "0"	2596.0000	59
KBH 3/6 print "A2"	2675.0418	58	KBH 5/3 print "Y"	2632.0224	59	KBH 5/3 BN print "1"	2596.0001	59
KBH 3/6 print "L1"	2675.0409	58	KBH 5/3 print "y"	2632.0324	59	KBH 5/3 BU print "6"	2596.0006	59
KBH 3/6 print "L2"	2675.0410	58	KBH 5/3 print "Z"	2632.0225	59	KBH 5/3 GN print "5"	2596.0005	59
KBH 3/6 print "L3"	2675.0411	58	KBH 5/3 print "z"	2632.0325	59	KBH 5/3 GR print "8"	2596.0008	59
KBH 3/6 print "MP"	2675.0412	58	KBH 5/3 neutral BK	2633.0100	59	KBH 5/3 neutral BK	2146.0100	59
KBH 3/6 print "PE"	2675.0413	58	KBH 5/3 neutral BN	2633.0101	59	KBH 5/3 neutral BN	2146.0101	59
KBH 3/6 print "X1"	2675.0414	58	KBH 5/3 neutral BU	2633.0106	59	KBH 5/3 neutral BU	2146.0106	59
KBH 3/6 print "X2"	2675.0415	58	KBH 5/3 neutral GN	2633.0105	59	KBH 5/3 neutral GN	2146.0105	59
KBH 3/6 print "X3"	2675.0416	58	KBH 5/3 neutral GR	2633.0108	59	KBH 5/3 neutral GR	2146.0108	59
KBH 3/6 print "A1"	2678.0417	58	KBH 5/3 neutral OG	2633.0103	59	KBH 5/3 neutral OG	2146.0103	59
KBH 3/6 print "A2"	2678.0418	58	KBH 5/3 neutral RD	2633.0102	59	KBH 5/3 neutral RD	2146.0102	59
KBH 3/6 print "L1"	2678.0409	58	KBH 5/3 neutral VT	2633.0107	59	KBH 5/3 neutral VT	2146.0107	59
KBH 3/6 print "L2"	2678.0410	58	KBH 5/3 neutral WH	2633.0109	59	KBH 5/3 neutral WH	2146.0109	59
KBH 3/6 print "L3"	2678.0411	58	KBH 5/3 neutral YE	2633.0104	59	KBH 5/3 neutral YE	2146.0104	59
KBH 3/6 print "MP"	2678.0412	58	KBH 5/3 print " : "	2160.0404	59	KBH 5/3 OG print "3"	2596.0003	59
KBH 3/6 print "PE"	2678.0413	58	KBH 5/3 print " / "	2160.0402	59	KBH 5/3 RD print "2"	2596.0002	59
KBH 3/6 print "X1"	2678.0414	58	KBH 5/3 print " = "	2160.0405	59	KBH 5/3 VT print "7"	2596.0007	59
KBH 3/6 print "X2"	2678.0415	58	KBH 5/3 print " ~ "	2160.0408	59	KBH 5/3 WH print "9"	2596.0009	59
KBH 3/6 print "X3"	2678.0416	58	KBH 5/3 print " - "	2160.0420	59	KBH 5/3 YE print "4"	2596.0004	59
KBH 5/3 print " : "	2632.0404	59	KBH 5/3 print "-." BU	2160.0401	59	KBH 5/6 print "A2"	2634.0418	59
KBH 5/3 print " / "	2632.0402	59	KBH 5/3 print "+"	2160.0419	59	KBH 5/6 print "L1"	2634.0409	59
KBH 5/3 print " = "	2632.0405	59	KBH 5/3 print "+ RD	2160.0400	59	KBH 5/6 print "L2"	2634.0410	59
KBH 5/3 print " ~ "	2632.0408	59	KBH 5/3 print "0"	2160.0000	59	KBH 5/6 print "L3"	2634.0411	59
KBH 5/3 print "-"	2632.0420	59	KBH 5/3 print "1"	2160.0001	59	KBH 5/6 print "MP"	2634.0412	59
KBH 5/3 print "-." BU	2632.0401	59	KBH 5/3 print "2"	2160.0002	59	KBH 5/6 print "PE"	2634.0413	59
KBH 5/3 print "+"	2632.0419	59	KBH 5/3 print "3"	2160.0003	59	KBH 5/6 print "X1"	2634.0414	59
KBH 5/3 print "+ RD	2632.0400	59	KBH 5/3 print "4"	2160.0004	59	KBH 5/6 print "X2"	2634.0415	59
KBH 5/3 print "0"	2632.0000	59	KBH 5/3 print "5"	2160.0005	59	KBH 5/6 print "X3"	2634.0416	59
KBH 5/3 print "1"	2632.0001	59	KBH 5/3 print "6"	2160.0006	59	KBH 5/6 print "A1"	2681.0417	59
KBH 5/3 print "2"	2632.0002	59	KBH 5/3 print "7"	2160.0007	59	KBH 5/6 print "A2"	2681.0418	59
KBH 5/3 print "3"	2632.0003	59	KBH 5/3 print "8"	2160.0008	59	KBH 5/6 print "L1"	2681.0409	59
KBH 5/3 print "4"	2632.0004	59	KBH 5/3 print "9"	2160.0009	59	KBH 5/6 print "L2"	2681.0410	59
KBH 5/3 print "5"	2632.0005	59	KBH 5/3 print "A"	2160.0200	59	KBH 5/6 print "L3"	2681.0411	59
KBH 5/3 print "6"	2632.0006	59	KBH 5/3 print "a"	2160.0300	59	KBH 5/6 print "MP"	2681.0412	59
KBH 5/3 print "7"	2632.0007	59	KBH 5/3 print "B"	2160.0201	59	KBH 5/6 print "PE"	2681.0413	59
KBH 5/3 print "8"	2632.0008	59	KBH 5/3 print "b"	2160.0301	59	KBH 5/6 print "X1"	2681.0414	59
KBH 5/3 print "9"	2632.0009	59	KBH 5/3 print "C"	2160.0202	59	KBH 5/6 print "X2"	2681.0415	59
KBH 5/3 print "A"	2632.0200	59	KBH 5/3 print "c"	2160.0302	59	KBH 5/6 print "X3"	2681.0416	59
KBH 5/3 print "a"	2632.0300	59	KBH 5/3 print "D"	2160.0203	59	KBH 5/6 print "A1"	2634.0417	59
KBH 5/3 print "B"	2632.0201	59	KBH 5/3 print "d"	2160.0303	59	KBH-C 10 bag Print "Earth with circle"	2591.0407	62
KBH 5/3 print "b"	2632.0301	59	KBH 5/3 print "E"	2160.0204	59	KBH-C 10 bag print " / "	2591.0402	62
KBH 5/3 print "C"	2632.0202	59	KBH 5/3 print "e"	2160.0304	59	KBH-C 10 bag print " : "	2591.0404	62
KBH 5/3 print "c"	2632.0302	59	KBH 5/3 print "Earth with circle"	2160.0407	59	KBH-C 10 bag print " ~ "	2591.0408	62
KBH 5/3 print "D"	2632.0203	59	KBH 5/3 print "Earth"	2160.0406	59	KBH-C 10 bag print "-."	2591.0420	62
KBH 5/3 print "d"	2632.0303	59	KBH 5/3 print "F"	2160.0205	59	KBH-C 10 bag print "-." BU	2591.0401	62
KBH 5/3 print "E"	2632.0204	59	KBH 5/3 print "f"	2160.0305	59	KBH-C 10 bag print "."	2591.0403	62
KBH 5/3 print "e"	2632.0304	59	KBH 5/3 print "C"	2160.0206	59	KBH-C 10 bag print "+"	2591.0419	62
KBH 5/3 print "Earth with circle"	2632.0407	59	KBH 5/3 print "g"	2160.0306	59	KBH-C 10 bag print "+ RD	2591.0400	62
KBH 5/3 print "Erde"	2632.0406	59	KBH 5/3 print "H"	2160.0207	59	KBH-C 10 bag print " = "	2591.0405	62
KBH 5/3 print "F"	2632.0205	59	KBH 5/3 print "h"	2160.0307	59	KBH-C 10 bag print "0"	2591.0000	62
KBH 5/3 print "f"	2632.0305	59	KBH 5/3 print "I"	2160.0208	59	KBH-C 10 bag print "1"	2591.0001	62
KBH 5/3 print "G"	2632.0206	59	KBH 5/3 print "i"	2160.0308	59	KBH-C 10 bag print "2"	2591.0002	62
KBH 5/3 print "g"	2632.0306	59	KBH 5/3 print "J"	2160.0209	59	KBH-C 10 bag print "3"	2591.0003	62
KBH 5/3 print "H"	2632.0207	59	KBH 5/3 print "j"	2160.0309	59	KBH-C 10 bag print "4"	2591.0004	62
KBH 5/3 print "h"	2632.0307	59	KBH 5/3 print "K"	2160.0210	59	KBH-C 10 bag print "5"	2591.0005	62
KBH 5/3 print "I"	2632.0208	59	KBH 5/3 print "k"	2160.0310	59	KBH-C 10 bag print "6"	2591.0006	62
KBH 5/3 print "i"	2632.0308	59	KBH 5/3 print "L"	2160.0211	59	KBH-C 10 bag print "7"	2591.0007	62
						KBH-C 10 bag print "8"	2591.0008	62

Type	Cat. no.	Page	Type	Cat. no.	Page	Type	Cat. no.	Page
KBH-C 10 bag print "9"	2591.0009	62	KBH-S 4 print "A"	2666.0200	66	KBH-S 4 print "w"	2666.0322	66
KBH-C 10 bag print "Erde"	2591.0406	62	KBH-S 4 print "a"	2666.0300	66	KBH-S 4 print "W"	2690.0222	66
KBH-C 20 bag Print "Earth with circle"	2595.0407	62	KBH-S 4 print "A"	2690.0200	66	KBH-S 4 print "w"	2690.0322	66
KBH-C 20 bag print " / "	2595.0402	62	KBH-S 4 print "a"	2690.0300	66	KBH-S 4 print "X"	2666.0223	66
KBH-C 20 bag print " : "	2595.0404	62	KBH-S 4 print "B"	2666.0201	66	KBH-S 4 print "x"	2666.0323	66
KBH-C 20 bag print " ~ "	2595.0408	62	KBH-S 4 print "b"	2666.0301	66	KBH-S 4 print "X"	2690.0223	66
KBH-C 20 bag print "-"	2595.0420	62	KBH-S 4 print "B"	2690.0201	66	KBH-S 4 print "x"	2690.0323	66
KBH-C 20 bag print "- BU	2595.0401	62	KBH-S 4 print "b"	2690.0301	66	KBH-S 4 print "Y"	2666.0224	66
KBH-C 20 bag print "-"	2595.0403	62	KBH-S 4 print "C"	2666.0202	66	KBH-S 4 print "y"	2666.0324	66
KBH-C 20 bag print "+"	2595.0419	62	KBH-S 4 print "c"	2666.0302	66	KBH-S 4 print "Y"	2690.0224	66
KBH-C 20 bag print "+ RD	2595.0400	62	KBH-S 4 print "C"	2690.0202	66	KBH-S 4 print "y"	2690.0324	66
KBH-C 20 bag print "="	2595.0405	62	KBH-S 4 print "c"	2690.0302	66	KBH-S 4 print "Z"	2666.0225	66
KBH-C 20 bag print "Earth"	2595.0406	62	KBH-S 4 print "D"	2666.0203	66	KBH-S 4 print "z"	2666.0325	66
KBH-C 20 bag print "0"	2595.0000	62	KBH-S 4 print "D"	2666.0303	66	KBH-S 4 print "Z"	2690.0225	66
KBH-C 20 bag print "1"	2595.0001	62	KBH-S 4 print "d"	2690.0203	66	KBH-S 4 print "z"	2690.0325	66
KBH-C 20 bag print "2"	2595.0002	62	KBH-S 4 print "d"	2690.0303	66	KBH-S 4 neutral BK	2671.0100	66
KBH-C 20 bag print "3"	2595.0003	62	KBH-S 4 print "E"	2666.0204	66	KBH-S 4 neutral BK	2691.0100	66
KBH-C 20 bag print "4"	2595.0004	62	KBH-S 4 print "e"	2666.0304	66	KBH-S 4 neutral BN	2671.0101	66
KBH-C 20 bag print "5"	2595.0005	62	KBH-S 4 print "E"	2690.0204	66	KBH-S 4 neutral BN	2691.0101	66
KBH-C 20 bag print "6"	2595.0006	62	KBH-S 4 print "e"	2690.0304	66	KBH-S 4 neutral BU	2671.0106	66
KBH-C 20 bag print "7"	2595.0007	62	KBH-S 4 print "Earth with circle"	2666.0407	66	KBH-S 4 neutral BU	2691.0106	66
KBH-C 20 bag print "8"	2595.0008	62	KBH-S 4 print "Circle"	2666.0406	66	KBH-S 4 neutral GN	2671.0105	66
KBH-C 20 bag print "9"	2595.0009	62	KBH-S 4 print "F"	2666.0205	66	KBH-S 4 neutral GN	2691.0105	66
KBH-C 30 bag Print "Earth with circle"	2599.0407	62	KBH-S 4 print "F"	2666.0305	66	KBH-S 4 neutral GR	2671.0108	66
KBH-C 30 bag print " / "	2599.0402	62	KBH-S 4 print "F"	2690.0205	66	KBH-S 4 neutral GR	2691.0108	66
KBH-C 30 bag print " : "	2599.0404	62	KBH-S 4 print "f"	2690.0305	66	KBH-S 4 neutral OG	2671.0103	66
KBH-C 30 bag print " ~ "	2599.0408	62	KBH-S 4 print "G"	2666.0206	66	KBH-S 4 neutral OG	2691.0103	66
KBH-C 30 bag print "-"	2599.0420	62	KBH-S 4 print "g"	2666.0306	66	KBH-S 4 neutral RD	2671.0102	66
KBH-C 30 bag print "- BU	2599.0401	62	KBH-S 4 print "G"	2690.0206	66	KBH-S 4 neutral RD	2691.0102	66
KBH-C 30 bag print "-"	2599.0403	62	KBH-S 4 print "g"	2690.0306	66	KBH-S 4 neutral VT	2691.0107	66
KBH-C 30 bag print "+"	2599.0419	62	KBH-S 4 print "H"	2666.0207	66	KBH-S 4 neutral VT/WH	2671.0107	66
KBH-C 30 bag print "+ RD	2599.0400	62	KBH-S 4 print "h"	2666.0307	66	KBH-S 4 neutral WH	2671.0109	66
KBH-C 30 bag print "="	2599.0405	62	KBH-S 4 print "H"	2690.0207	66	KBH-S 4 neutral WH	2691.0109	66
KBH-C 30 bag print "Earth"	2599.0406	62	KBH-S 4 print "h"	2690.0307	66	KBH-S 4 neutral YE	2671.0104	66
KBH-C 30 bag print "0"	2599.0000	62	KBH-S 4 print "I"	2666.0208	66	KBH-S 4 neutral YE	2691.0104	66
KBH-C 30 bag print "1"	2599.0001	62	KBH-S 4 print "i"	2666.0308	66	KH-PVC 0.5/12	28285.0	33
KBH-C 30 bag print "2"	2599.0002	62	KBH-S 4 print "I"	2666.0209	66	KH-PVC 0.5/15	28286.0	33
KBH-C 30 bag print "3"	2599.0003	62	KBH-S 4 print "j"	2666.0309	66	KH-PVC 0.5/20	28287.0	33
KBH-C 30 bag print "4"	2599.0004	62	KBH-S 4 print "j"	2690.0209	66	KH-PVC 0.5/30	28288.0	33
KBH-C 30 bag print "5"	2599.0005	62	KBH-S 4 print "K"	2666.0210	66	KH-PVC 10/12	28306.0	33
KBH-C 30 bag print "6"	2599.0006	62	KBH-S 4 print "k"	2666.0310	66	KH-PVC 10/15	28307.0	33
KBH-C 30 bag print "7"	2599.0007	62	KBH-S 4 print "K"	2690.0210	66	KH-PVC 10/20	28308.0	33
KBH-C 30 bag print "8"	2599.0008	62	KBH-S 4 print "k"	2690.0310	66	KH-PVC 10/30	28309.0	33
KBH-C 30 bag print "9"	2599.0009	62	KBH-S 4 print "L"	2666.0211	66	KH-PVC 2.5/12	28292.0	33
KBH-S 4 print " ~ "	2690.0408	66	KBH-S 4 print "l"	2666.0311	66	KH-PVC 2.5/15	28293.0	33
KBH-S 4 print " 1 "	2690.0208	66	KBH-S 4 print "L"	2690.0211	66	KH-PVC 2.5/20	28294.0	33
KBH-S 4 print "="	2690.0405	66	KBH-S 4 print "l"	2690.0311	66	KH-PVC 2.5/30	28295.0	33
KBH-S 4 print "Earth with circle"	2690.0407	66	KBH-S 4 print "M"	2666.0212	66	KH-PVC 240/12	28321.0	33
KBH-S 4 print "Circle"	2690.0406	66	KBH-S 4 print "m"	2666.0312	66	KH-PVC 240/15	28322.0	33
KBH-S 4 print " : "	2666.0404	66	KBH-S 4 print "M"	2690.0212	66	KH-PVC 240/20	28323.0	33
KBH-S 4 print " : "	2690.0404	66	KBH-S 4 print "m"	2690.0312	66	KH-PVC 240/30	28324.0	33
KBH-S 4 print " . "	2666.0403	66	KBH-S 4 print "N"	2666.0213	66	KH-PVC 25/12	28313.0	33
KBH-S 4 print " . "	2690.0403	66	KBH-S 4 print "n"	2666.0313	66	KH-PVC 25/15	28314.0	33
KBH-S 4 print " / "	2666.0402	66	KBH-S 4 print "N"	2690.0213	66	KH-PVC 25/20	28315.0	33
KBH-S 4 print " / "	2690.0402	66	KBH-S 4 print "n"	2690.0313	66	KH-PVC 25/30	28316.0	33
KBH-S 4 print " = "	2666.0405	66	KBH-S 4 print "O"	2666.0214	66	KH-PVC 4/12	28299.0	33
KBH-S 4 print " ~ "	2666.0408	66	KBH-S 4 print "o"	2666.0314	66	KH-PVC 4/15	28300.0	33
KBH-S 4 print " i "	2690.0308	66	KBH-S 4 print "O"	2690.0214	66	KH-PVC 4/20	28301.0	33
KBH-S 4 print " j "	2690.0309	66	KBH-S 4 print "o"	2690.0314	66	KH-PVC 4/30	28302.0	33
KBH-S 4 print "-"	2666.0420	66	KBH-S 4 print "P"	2666.0215	66	KH-PVC 70/12	28317.0	33
KBH-S 4 print "-"	2690.0420	66	KBH-S 4 print "p"	2666.0315	66	KH-PVC 70/15	28318.0	33
KBH-S 4 print "- BU	2666.0401	66	KBH-S 4 print "P"	2690.0215	66	KH-PVC 70/20	28319.0	33
KBH-S 4 print "- BU	2690.0401	66	KBH-S 4 print "p"	2690.0315	66	KH-PVC 70/30	28320.0	33
KBH-S 4 print "+"	2666.0419	66	KBH-S 4 print "Q"	2666.0216	66	KH-PVC-HF 0.5/12	28289.0	34
KBH-S 4 print "+"	2690.0419	66	KBH-S 4 print "q"	2666.0316	66	KH-PVC-HF 0.5/15	28290.0	34
KBH-S 4 print "+ RD	2666.0400	66	KBH-S 4 print "Q"	2690.0216	66	KH-PVC-HF 0.5/20	28291.0	34
KBH-S 4 print "+ RD	2690.0400	66	KBH-S 4 print "q"	2690.0316	66	KH-PVC-HF 10/12	28310.0	34
KBH-S 4 print "0"	2666.0000	66	KBH-S 4 print "R"	2666.0217	66	KH-PVC-HF 10/15	28311.0	34
KBH-S 4 print "0"	2690.0000	66	KBH-S 4 print "r"	2666.0317	66	KH-PVC-HF 10/20	28312.0	34
KBH-S 4 print "1"	2666.0001	66	KBH-S 4 print "R"	2690.0217	66	KH-PVC-HF 2.5/12	28296.0	34
KBH-S 4 print "1"	2690.0001	66	KBH-S 4 print "r"	2690.0317	66	KH-PVC-HF 2.5/15	28297.0	34
KBH-S 4 print "2"	2666.0002	66	KBH-S 4 print "S"	2666.0218	66	KH-PVC-HF 2.5/20	28298.0	34
KBH-S 4 print "2"	2690.0002	66	KBH-S 4 print "s"	2666.0318	66	KH-PVC-HF 4/12	28303.0	34
KBH-S 4 print "3"	2666.0003	66	KBH-S 4 print "S"	2690.0218	66	KH-PVC-HF 4/15	28304.0	34
KBH-S 4 print "3"	2690.0003	66	KBH-S 4 print "s"	2690.0318	66	KH-PVC-HF 4/20	28305.0	34
KBH-S 4 print "4"	2666.0004	66	KBH-S 4 print "T"	2666.0219	66	KKE 139.7/25.4 A4 WH	3961.7	55
KBH-S 4 print "4"	2690.0004	66	KBH-S 4 print "t"	2666.0319	66	KKE 139.7/25.4 A4 YE	3961.8	55
KBH-S 4 print "5"	2666.0005	66	KBH-S 4 print "T"	2690.0219	66	KKE 140/25 WH	3953.7	54
KBH-S 4 print "5"	2690.0005	66	KBH-S 4 print "t"	2690.0319	66	KKE 140/25 YE	3953.8	54
KBH-S 4 print "6"	2666.0006	66	KBH-S 4 print "U"	2666.0220	66	KKE 25/37 A4 WH	3956.7	55
KBH-S 4 print "6"	2690.0006	66	KBH-S 4 print "u"	2666.0320	66	KKE 25/37 A4 YE	3956.8	55
KBH-S 4 print "7"	2666.0007	66	KBH-S 4 print "U"	2690.0220	66	KKE 34/17.8 A4 WH	3957.7	55
KBH-S 4 print "7"	2690.0007	66	KBH-S 4 print "u"	2690.0320	66	KKE 34/17.8 A4 YE	3957.8	55
KBH-S 4 print "8"	2666.0008	66	KBH-S 4 print "V"	2666.0221	66	KKE 34/18 WH	3950.7	54
KBH-S 4 print "8"	2690.0008	66	KBH-S 4 print "v"	2666.0321	66	KKE 34/18 YE	3950.8	54
KBH-S 4 print "9"	2666.0009	66	KBH-S 4 print "V"	2690.0221	66	KKE 35/25 WH	3955.7	54
KBH-S 4 print "9"	2690.0009	66	KBH-S 4 print "v"	2690.0321	66	KKE 35/25 YE	3955.8	54
KBH-S 4 print "W"	2666.0222	66	KBH-S 4 print "W"	2666.0222	66	KKE 55/22.8 A4 WH	3958.7	55

Type	Cat. no.	Page	Type	Cat. no.	Page	Type	Cat. no.	Page
PVC-TAP 18X27 WH	28146.7	22	PVC-VRT-R 62X88 GR	28194.6	29			
PVC-TAP 18X27 YE	28146.8	22	PVC-VRT-R 62X88 WH	28194.7	29			
PVC-TAP 6.4x27.3 GR	28355.6	22	PVC-VRT-R 62X88 YE	28194.8	29			
PVC-TAP 6.4x27.3 WH	28355.7	22	PVC-VRT-R 92X118 GR	28195.6	29			
PVC-TAP 8.2X27 GR	28145.6	22	PVC-VRT-R 92X118 WH	28195.7	29			
PVC-TAP 8.2X27 WH	28145.7	22	PVC-VRT-R 92X118 YE	28195.8	29			
PVC-TAP 8.2X27 YE	28145.8	22	PVC-VRT-RH 105x110 GR	28210.6	31			
PVC-TAP-CCS 15X17	28147.7	23	PVC-VRT-RH 105X110 WH	28210.7	31			
PVC-TAP-CCS 15X27	28148.7	23	PVC-VRT-RH 105X110 YE	28210.8	31			
PVC-TAP-CCS 15X49	28150.7	23	PVC-VRT-RH 15X52 WH	28199.7	31			
PVC-TAP-CCS 15X67	28151.7	23	PVC-VRT-RH 15X80 WH	28200.7	31			
PVC-TAP-CCS 17.5X27.8	28149.7	23	PVC-VRT-RH 15X80 YE	28200.8	31			
PVC-TAPW 9X12 WH	28160.7	25	PVC-VRT-RH 25X100 WH	28204.7	31			
PVC-TAPW 9X12 YE	28160.8	25	PVC-VRT-RH 25X100 YE	28204.8	31			
PVC-TAPW 9X15 WH	28161.7	25	PVC-VRT-RH 25X50 GR	28201.6	31			
PVC-TAPW 9X15 YE	28161.8	25	PVC-VRT-RH 25X50 WH	28201.7	31			
PVC-TAPW 9X20 WH	28162.7	25	PVC-VRT-RH 25X50 YE	28201.8	31			
PVC-TAPW 9X20 YE	28162.8	25	PVC-VRT-RH 25X75 WH	28202.7	31			
PVC-TAPW 9X29 WH	28163.7	25	PVC-VRT-RH 25X75 YE	28202.8	31			
PVC-TAPW 9X29 YE	28163.8	25	PVC-VRT-RH 25X80 WH	28203.7	31			
PVC-TAPW 9X35 WH	28164.7	25	PVC-VRT-RH 29X140 WH	28211.7	31			
PVC-TAPW 9X35 YE	28164.8	25	PVC-VRT-RH 35X100 WH	28207.7	31			
PVC-TPMF 4X12 WH	28100.7	16	PVC-VRT-RH 35X100 YE	28207.8	31			
PVC-TPMF 4X12 YE	28100.8	16	PVC-VRT-RH 35X142 WH	28212.7	31			
PVC-TPMF 4X15 WH	28101.7	16	PVC-VRT-RH 35X50 WH	28205.7	31			
PVC-TPMF 4X15 YE	28101.8	16	PVC-VRT-RH 35X80 WH	28206.7	31			
PVC-TPMF 4X20 WH	28102.7	16	PVC-VRT-RH 35X80 YE	28206.8	31			
PVC-TPMF 4X20 YE	28102.8	16	PVC-VRT-RH 50X100 GR	28208.6	31			
PVC-TPMF 4X30 WH	28103.7	16	PVC-VRT-RH 50X100 WH	28208.7	31			
PVC-TPMF 4X30 YE	28103.8	16	PVC-VRT-RH 50X100 YE	28208.8	31			
PVC-VRT-A 102X138 GR	28229.6	30	PVC-VRT-RH 50X140 WH	28213.7	31			
PVC-VRT-A 102X138 WH	28229.7	30	PVC-VRT-RH 75X120 WH	28209.7	31			
PVC-VRT-A 105X110 GR	28226.6	30	PVC-VRT-RH 75X120 YE	28209.8	31			
PVC-VRT-A 105X110 WH	28226.7	30	PVC-VRT-RH 82X142 WH	28214.7	31			
PVC-VRT-A 105X110 YE	28226.8	30	PVCF-CPMF 10X105/10 WH	28332.7	15			
PVC-VRT-A 25X100 WH	28217.7	30	PVCF-CPMFA K 10X105 WH	28334.7	15			
PVC-VRT-A 25X100 YE	28217.8	30	PVCF-VYB 4X105/10 WH	28275.7	15			
PVC-VRT-A 25X140 WH	28227.7	30	PVCF-VYB 5.2X105/10 WH	28276.7	15			
PVC-VRT-A 25X50 GR	28215.6	30	PVCF-VYB 7X105/10 WH	28277.7	15			
PVC-VRT-A 25X50 WH	28215.7	30						
PVC-VRT-A 25X50 YE	28215.8	30	R					
PVC-VRT-A 25X80 WH	28216.7	30	TTPCard cleaning set	28043.0	9			
PVC-VRT-A 25X80 YE	28216.8	30	TTPCard cleaning spray	28045.0	9			
PVC-VRT-A 32X58 GR	28218.6	30	TTPCard cleaning cloth	28044.0	9			
PVC-VRT-A 32X58 WH	28218.7	30						
PVC-VRT-A 32X58 YE	28218.8	30	S					
PVC-VRT-A 35X100 GR	28220.6	30	STR GSU-H 15X67 R	28325.4	35			
PVC-VRT-A 35X100 WH	28220.7	30	STR MC GSU 17x15 R transparent	3860.0	35			
PVC-VRT-A 35X100 YE	28220.8	30	STR MC GSU 27x15 R transparent	3861.0	35			
PVC-VRT-A 35X75 WH	28219.7	30	STR MC GSU 49x15 R transparent	3862.0	35			
PVC-VRT-A 35X75 YE	28219.8	30	STR MC GSU 60x15 R transparent	3863.0	35			
PVC-VRT-A 40X138 WH	28228.7	30	STR MC GSU 60x30 R transparent	3864.0	35			
PVC-VRT-A 42X78 GR	28221.6	30	STR MC GSU 85.4x54 R transparent	3865.0	35			
PVC-VRT-A 42X78 WH	28221.7	30	STR-PS 15X1.000	28282.0	37			
PVC-VRT-A 42X78 YE	28221.8	30	STR-PS 9X1.000	28284.0	37			
PVC-VRT-A 50X50 WH	28222.7	30						
PVC-VRT-A 50X50 YE	28222.8	30	T					
PVC-VRT-A 52X107 GR	28223.6	30	TTP eco external roll unwinder	17743.0	53			
PVC-VRT-A 52X107 WH	28223.7	30	TTP eco optional cutting device	17742.0	53			
PVC-VRT-A 52X107 YE	28223.8	30	TTP film sheet	1641.0	53			
PVC-VRT-A 62X88 GR	28224.6	30	TTP cleaning set	1639.0	53			
PVC-VRT-A 62X88 WH	28224.7	30	TTPCard Set	28000.0	9			
PVC-VRT-A 62X88 YE	28224.8	30	TTP eco-Start kit incl. power supply, USB cable, driver	17741.0	53			
PVC-VRT-A 92X118 GR	28225.6	30						
PVC-VRT-A 92X118 WH	28225.7	30						
PVC-VRT-A 92X118 YE	28225.8	30						
PVC-VRT-AH 25X100 WH	28235.7	32						
PVC-VRT-AH 25X50 WH	28232.7	32						
PVC-VRT-AH 25X75 WH	28233.7	32						
PVC-VRT-AH 25X80 WH	28236.7	32						
PVC-VRT-AH 35X100 YE	28232.8	32						
PVC-VRT-AH 50X100 WH	28234.7	32						
PVC-VRT-R 102X138 GR	28198.6	29						
PVC-VRT-R 102X138 WH	28198.7	29						
PVC-VRT-R 102X138 YE	28198.8	29						
PVC-VRT-R 32X58 GR	28191.6	29						
PVC-VRT-R 32X58 WH	28191.7	29						
PVC-VRT-R 32X58 YE	28191.8	29						
PVC-VRT-R 35X100 GR	28196.6	29						
PVC-VRT-R 35X100 WH	28196.7	29						
PVC-VRT-R 35X100 YE	28196.8	29						
PVC-VRT-R 42X78 GR	28192.6	29						
PVC-VRT-R 42X78 WH	28192.7	29						
PVC-VRT-R 42X78 YE	28192.8	29						
PVC-VRT-R 50X100 WH	28197.7	29						
PVC-VRT-R 52X107 GR	28193.6	29						
PVC-VRT-R 52X107 WH	28193.7	29						
PVC-VRT-R 52X107 YE	28193.8	29						

Catalogue numbers and types numerical

Cat. no.	Type	Page	Cat. no.	Type	Page	Cat. no.	Type	Page
1								
1639.0	TTP cleaning set	53	2156.0310	KBH 3/3 print "k"	58	2160.0319	KBH 5/3 print "t"	59
1641.0	TTP film sheet	53	2156.0311	KBH 3/3 print "l" -small	58	2160.0320	KBH 5/3 print "u"	59
2			2156.0312	KBH 3/3 print "m"	58	2160.0321	KBH 5/3 print "v"	59
2142.0100	KBH 3/3 neutral BK	58	2156.0313	KBH 3/3 print "n"	58	2160.0322	KBH 5/3 print "w"	59
2142.0101	KBH 3/3 neutral BN	58	2156.0314	KBH 3/3 print "o"	58	2160.0323	KBH 5/3 print "x"	59
2142.0102	KBH 3/3 neutral RD	58	2156.0315	KBH 3/3 print "p"	58	2160.0324	KBH 5/3 print "y"	59
2142.0103	KBH 3/3 neutral OG	58	2156.0316	KBH 3/3 print "q"	58	2160.0325	KBH 5/3 print "z"	59
2142.0104	KBH 3/3 neutral YE	58	2156.0317	KBH 3/3 print "r"	58	2160.0400	KBH 5/3 print "+" RD	59
2142.0105	KBH 3/3 neutral GN	58	2156.0318	KBH 3/3 print "s"	58	2160.0401	KBH 5/3 print "-" BU	59
2142.0106	KBH 3/3 neutral BU	58	2156.0319	KBH 3/3 print "t"	58	2160.0402	KBH 5/3 print " / "	59
2142.0107	KBH 3/3 neutral VT	58	2156.0320	KBH 3/3 print "u"	58	2160.0403	KBH 5/3 print " . "	59
2142.0108	KBH 3/3 neutral GR	58	2156.0321	KBH 3/3 print "v"	58	2160.0404	KBH 5/3 print " : "	59
2142.0109	KBH 3/3 neutral WH	58	2156.0322	KBH 3/3 print "w"	58	2160.0405	KBH 5/3 print " = "	59
2146.0100	KBH 5/3 neutral BK	59	2156.0323	KBH 3/3 print "x"	58	2160.0406	KBH 5/3 print "Earth"	59
2146.0101	KBH 5/3 neutral BN	59	2156.0324	KBH 3/3 print "y"	58	2160.0407	KBH 5/3 print "Earth with circle"	59
2146.0102	KBH 5/3 neutral RD	59	2156.0325	KBH 3/3 print "z"	58	2160.0408	KBH 5/3 print " ~ "	59
2146.0103	KBH 5/3 neutral OG	59	2156.0400	KBH 3/3 print "+" RD	58	2160.0419	KBH 5/3 print "+"	59
2146.0104	KBH 5/3 neutral YE	59	2156.0401	KBH 3/3 print "-" BU	58	2160.0420	KBH 5/3 print " - "	59
2146.0105	KBH 5/3 neutral GN	59	2156.0402	KBH 3/3 print " / "	58	2162.0000	KBH 10/4 print "0"	60
2146.0106	KBH 5/3 neutral BU	59	2156.0403	KBH 3/3 print " / "	58	2162.0001	KBH 10/4 print "1"	60
2146.0107	KBH 5/3 neutral VT	59	2156.0404	KBH 3/3 print " : "	58	2162.0002	KBH 10/4 print "2"	60
2146.0108	KBH 5/3 neutral GR	59	2156.0405	KBH 3/3 print " = "	58	2162.0003	KBH 10/4 print "3"	60
2146.0109	KBH 5/3 neutral WH	59	2156.0406	KBH 3/3 print "Earth"	58	2162.0004	KBH 10/4 print "4"	60
2148.0100	KBH 10/4 neutral BK	60	2156.0407	KBH 3/3 print "Earth with circle"	58	2162.0005	KBH 10/4 print "5"	60
2148.0101	KBH 10/4 neutral BN	60	2156.0408	KBH 3/3 print " ~ "	58	2162.0006	KBH 10/4 print "6"	60
2148.0102	KBH 10/4 neutral RD	60	2156.0419	KBH 3/3 print "+"	58	2162.0007	KBH 10/4 print "7"	60
2148.0103	KBH 10/4 neutral OG	60	2156.0420	KBH 3/3 print " - "	58	2162.0008	KBH 10/4 print "8"	60
2148.0104	KBH 10/4 neutral YE	60	2160.0000	KBH 5/3 print "0"	59	2162.0009	KBH 10/4 print "9"	60
2148.0105	KBH 10/4 neutral GN	60	2160.0001	KBH 5/3 print "1"	59	2162.0200	KBH 10/4 print "A"	60
2148.0106	KBH 10/4 neutral BU	60	2160.0002	KBH 5/3 print "2"	59	2162.0201	KBH 10/4 print "B"	60
2148.0107	KBH 10/4 neutral VT	60	2160.0003	KBH 5/3 print "3"	59	2162.0202	KBH 10/4 print "C"	60
2148.0108	KBH 10/4 neutral GR	60	2160.0004	KBH 5/3 print "4"	59	2162.0203	KBH 10/4 print "D"	60
2148.0109	KBH 10/4 neutral WH	60	2160.0005	KBH 5/3 print "5"	59	2162.0204	KBH 10/4 print "E"	60
2156.0000	KBH 3/3 print "0"	58	2160.0006	KBH 5/3 print "6"	59	2162.0205	KBH 10/4 print "F"	60
2156.0001	KBH 3/3 print "1"	58	2160.0007	KBH 5/3 print "7"	59	2162.0206	KBH 10/4 print "G"	60
2156.0002	KBH 3/3 print "2"	58	2160.0008	KBH 5/3 print "8"	59	2162.0207	KBH 10/4 print "H"	60
2156.0003	KBH 3/3 print "3"	58	2160.0009	KBH 5/3 print "9"	59	2162.0208	KBH 10/4 print "I"	60
2156.0004	KBH 3/3 print "4"	58	2160.0200	KBH 5/3 print "A"	59	2162.0209	KBH 10/4 print "J"	60
2156.0005	KBH 3/3 print "5"	58	2160.0201	KBH 5/3 print "B"	59	2162.0210	KBH 10/4 print "K"	60
2156.0006	KBH 3/3 print "6"	58	2160.0202	KBH 5/3 print "C"	59	2162.0211	KBH 10/4 print "L"	60
2156.0007	KBH 3/3 print "7"	58	2160.0203	KBH 5/3 print "D"	59	2162.0212	KBH 10/4 print "M"	60
2156.0008	KBH 3/3 print "8"	58	2160.0204	KBH 5/3 print "E"	59	2162.0213	KBH 10/4 print "N"	60
2156.0009	KBH 3/3 print "9"	58	2160.0205	KBH 5/3 print "F"	59	2162.0214	KBH 10/4 print "O"	60
2156.0200	KBH 3/3 print "A"	58	2160.0206	KBH 5/3 print "G"	59	2162.0215	KBH 10/4 print "P"	60
2156.0201	KBH 3/3 print "B"	58	2160.0207	KBH 5/3 print "H"	59	2162.0216	KBH 10/4 print "Q"	60
2156.0202	KBH 3/3 print "C"	58	2160.0208	KBH 5/3 print "I"	59	2162.0217	KBH 10/4 print "R"	60
2156.0203	KBH 3/3 print "D"	58	2160.0209	KBH 5/3 print "J"	59	2162.0218	KBH 10/4 print "S"	60
2156.0204	KBH 3/3 print "E"	58	2160.0210	KBH 5/3 print "K"	59	2162.0219	KBH 10/4 print "T"	60
2156.0205	KBH 3/3 print "F"	58	2160.0211	KBH 5/3 print "L"	59	2162.0220	KBH 10/4 print "U"	60
2156.0206	KBH 3/3 print "G"	58	2160.0212	KBH 5/3 print "M"	59	2162.0221	KBH 10/4 print "V"	60
2156.0207	KBH 3/3 print "H"	58	2160.0213	KBH 5/3 print "N"	59	2162.0222	KBH 10/4 print "W"	60
2156.0208	KBH 3/3 print "I"	58	2160.0214	KBH 5/3 print "O"	59	2162.0223	KBH 10/4 print "X"	60
2156.0209	KBH 3/3 print "J"	58	2160.0215	KBH 5/3 print "P"	59	2162.0224	KBH 10/4 print "Y"	60
2156.0210	KBH 3/3 print "K"	58	2160.0216	KBH 5/3 print "Q"	59	2162.0225	KBH 10/4 print "Z"	60
2156.0211	KBH 3/3 print "L"	58	2160.0217	KBH 5/3 print "R"	59	2162.0300	KBH 10/4 print "a"	60
2156.0212	KBH 3/3 print "M"	58	2160.0218	KBH 5/3 print "S"	59	2162.0301	KBH 10/4 print "b"	60
2156.0213	KBH 3/3 print "N"	58	2160.0219	KBH 5/3 print "T"	59	2162.0302	KBH 10/4 print "c"	60
2156.0214	KBH 3/3 print "O"	58	2160.0220	KBH 5/3 print "U"	59	2162.0303	KBH 10/4 print "d"	60
2156.0215	KBH 3/3 print "P"	58	2160.0221	KBH 5/3 print "V"	59	2162.0304	KBH 10/4 print "e"	60
2156.0216	KBH 3/3 print "Q"	58	2160.0222	KBH 5/3 print "W"	59	2162.0305	KBH 10/4 print "f"	60
2156.0217	KBH 3/3 print "R"	58	2160.0223	KBH 5/3 print "X"	59	2162.0306	KBH 10/4 print "g"	60
2156.0218	KBH 3/3 print "S"	58	2160.0224	KBH 5/3 print "Y"	59	2162.0307	KBH 10/4 print "h"	60
2156.0219	KBH 3/3 print "T"	58	2160.0225	KBH 5/3 print "Z"	59	2162.0308	KBH 10/4 print "i"	60
2156.0220	KBH 3/3 print "U"	58	2160.0300	KBH 5/3 print "a"	59	2162.0309	KBH 10/4 print "j"	60
2156.0221	KBH 3/3 print "V"	58	2160.0301	KBH 5/3 print "b"	59	2162.0310	KBH 10/4 print "k"	60
2156.0222	KBH 3/3 print "W"	58	2160.0302	KBH 5/3 print "c"	59	2162.0311	KBH 10/4 print "l"	60
2156.0223	KBH 3/3 print "X"	58	2160.0303	KBH 5/3 print "d"	59	2162.0312	KBH 10/4 print "m"	60
2156.0224	KBH 3/3 print "Y"	58	2160.0304	KBH 5/3 print "e"	59	2162.0313	KBH 10/4 print "n"	60
2156.0225	KBH 3/3 print "Z"	58	2160.0305	KBH 5/3 print "f"	59	2162.0314	KBH 10/4 print "o"	60
2156.0300	KBH 3/3 print "a"	58	2160.0306	KBH 5/3 print "g"	59	2162.0315	KBH 10/4 print "p"	60
2156.0301	KBH 3/3 print "b"	58	2160.0307	KBH 5/3 print "h"	59	2162.0316	KBH 10/4 print "q"	60
2156.0302	KBH 3/3 print "c"	58	2160.0308	KBH 5/3 print "i"	59	2162.0317	KBH 10/4 print "r"	60
2156.0303	KBH 3/3 print "d"	58	2160.0309	KBH 5/3 print "j"	59	2162.0318	KBH 10/4 print "s"	60
2156.0304	KBH 3/3 print "e"	58	2160.0310	KBH 5/3 print "k"	59	2162.0319	KBH 10/4 print "t"	60
2156.0305	KBH 3/3 print "f"	58	2160.0311	KBH 5/3 print "l"	59	2162.0320	KBH 10/4 print "u"	60
2156.0306	KBH 3/3 print "g"	58	2160.0312	KBH 5/3 print "m"	59	2162.0321	KBH 10/4 print "v"	60
2156.0307	KBH 3/3 print "h"	58	2160.0313	KBH 5/3 print "n"	59	2162.0322	KBH 10/4 print "w"	60
2156.0308	KBH 3/3 print "i"	58	2160.0314	KBH 5/3 print "o"	59	2162.0323	KBH 10/4 print "x"	60
2156.0309	KBH 3/3 print "j"	58	2160.0315	KBH 5/3 print "p"	59	2162.0324	KBH 10/4 print "y"	60
			2160.0316	KBH 5/3 print "q"	59	2162.0325	KBH 10/4 print "z"	60
			2160.0317	KBH 5/3 print "r"	59	2162.0400	KBH 10/4 print "+" RD	60
			2160.0318	KBH 5/3 print "s"	59	2162.0401	KBH 10/4 print "-" BU	60

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2162.0402	KBH 10/4 print " / "	60	2599.0005	KBH-C 30 bag print "5"	62	2630.0420	KBH 3/3 print " - "	58
2162.0403	KBH 10/4 print " . "	60	2599.0006	KBH-C 30 bag print "6"	62	2631.0100	KBH 3/3 neutral BK	58
2162.0404	KBH 10/4 print " : "	60	2599.0007	KBH-C 30 bag print "7"	62	2631.0101	KBH 3/3 neutral BN	58
2162.0405	KBH 10/4 print " = "	60	2599.0008	KBH-C 30 bag print "8"	62	2631.0102	KBH 3/3 neutral RD	58
2162.0406	KBH 10/4 print "Earth"	60	2599.0009	KBH-C 30 bag print "9"	62	2631.0103	KBH 3/3 neutral OG	58
2162.0407	KBH 10/4 print "Earth with circle"	60	2599.0400	KBH-C 30 bag print "+ RD	62	2631.0104	KBH 3/3 neutral YE	58
2162.0408	KBH 10/4 print " ~ "	60	2599.0401	KBH-C 30 bag print "- BU	62	2631.0105	KBH 3/3 neutral GN	58
2162.0419	KBH 10/4 print "+ "	60	2599.0402	KBH-C 30 bag print " / "	62	2631.0106	KBH 3/3 neutral BU	58
2162.0420	KBH 10/4 print " - "	60	2599.0403	KBH-C 30 bag print " . "	62	2631.0107	KBH 3/3 neutral VT	58
2383.0	KSH 6/33	63	2599.0404	KBH-C 30 bag print " : "	62	2631.0108	KBH 3/3 neutral GR	58
2384.0	KSH 11/33	63	2599.0405	KBH-C 30 bag print " = "	62	2631.0109	KBH 3/3 neutral WH	58
2589.0000	KBH 10/4 BK print "0"	60	2599.0406	KBH-C 30 bag print "Earth"	62	2632.0000	KBH 5/3 print "0"	59
2589.0001	KBH 10/4 BN print "1"	60	2599.0407	KBH-C 30 bag print "Earth with circle"	62	2632.0001	KBH 5/3 print "1"	59
2589.0002	KBH 10/4 RD print "2"	60	2599.0408	KBH-C 30 bag print " ~ "	62	2632.0002	KBH 5/3 print "2"	59
2589.0003	KBH 10/4 OG print "3"	60	2599.0419	KBH-C 30 bag print "+ "	62	2632.0003	KBH 5/3 print "3"	59
2589.0004	KBH 10/4 YE print "4"	60	2599.0420	KBH-C 30 bag print "- "	62	2632.0004	KBH 5/3 print "4"	59
2589.0005	KBH 10/4 GN print "5"	60	2630.0000	KBH 3/3 print "0"	58	2632.0005	KBH 5/3 print "5"	59
2589.0006	KBH 10/4 BU print "6"	60	2630.0001	KBH 3/3 print "1"	58	2632.0006	KBH 5/3 print "6"	59
2589.0007	KBH 10/4 VT print "7"	60	2630.0002	KBH 3/3 print "2"	58	2632.0007	KBH 5/3 print "7"	59
2589.0008	KBH 10/4 GR print "8"	60	2630.0003	KBH 3/3 print "3"	58	2632.0008	KBH 5/3 print "8"	59
2589.0009	KBH 10/4 WH print "9"	60	2630.0004	KBH 3/3 print "4"	58	2632.0009	KBH 5/3 print "9"	59
2591.0000	KBH-C 10 bag print "0"	62	2630.0005	KBH 3/3 print "5"	58	2632.0200	KBH 5/3 print "A"	59
2591.0001	KBH-C 10 bag print "1"	62	2630.0006	KBH 3/3 print "6"	58	2632.0201	KBH 5/3 print "B"	59
2591.0002	KBH-C 10 bag print "2"	62	2630.0007	KBH 3/3 print "7"	58	2632.0202	KBH 5/3 print "C"	59
2591.0003	KBH-C 10 bag print "3"	62	2630.0008	KBH 3/3 print "8"	58	2632.0203	KBH 5/3 print "D"	59
2591.0004	KBH-C 10 bag print "4"	62	2630.0009	KBH 3/3 print "9"	58	2632.0204	KBH 5/3 print "E"	59
2591.0005	KBH-C 10 bag print "5"	62	2630.0200	KBH 3/3 print "A"	58	2632.0205	KBH 5/3 print "F"	59
2591.0006	KBH-C 10 bag print "6"	62	2630.0201	KBH 3/3 print "B"	58	2632.0206	KBH 5/3 print "G"	59
2591.0007	KBH-C 10 bag print "7"	62	2630.0202	KBH 3/3 print "C"	58	2632.0207	KBH 5/3 print "H"	59
2591.0008	KBH-C 10 bag print "8"	62	2630.0203	KBH 3/3 print "D"	58	2632.0208	KBH 5/3 print "I"	59
2591.0009	KBH-C 10 bag print "9"	62	2630.0204	KBH 3/3 print "E"	58	2632.0209	KBH 5/3 print "J"	59
2591.0400	KBH-C 10 bag print "+ RD	62	2630.0205	KBH 3/3 print "F"	58	2632.0210	KBH 5/3 print "K"	59
2591.0401	KBH-C 10 bag print "- BU	62	2630.0206	KBH 3/3 print "G"	58	2632.0211	KBH 5/3 print "L"	59
2591.0402	KBH-C 10 bag print " / "	62	2630.0207	KBH 3/3 print "H"	58	2632.0212	KBH 5/3 print "M"	59
2591.0403	KBH-C 10 bag print " . "	62	2630.0208	KBH 3/3 print "I"	58	2632.0213	KBH 5/3 print "N"	59
2591.0404	KBH-C 10 bag print " : "	62	2630.0209	KBH 3/3 print "J"	58	2632.0214	KBH 5/3 print "O"	59
2591.0405	KBH-C 10 bag print " = "	62	2630.0210	KBH 3/3 print "K"	58	2632.0215	KBH 5/3 print "P"	59
2591.0406	KBH-C 10 bag print "Earth"	62	2630.0211	KBH 3/3 print "L"	58	2632.0216	KBH 5/3 print "Q"	59
2591.0407	KBH-C 10 bag print "Earth with circle"	62	2630.0212	KBH 3/3 print "M"	58	2632.0217	KBH 5/3 print "R"	59
2591.0408	KBH-C 10 bag print " ~ "	62	2630.0213	KBH 3/3 print "N"	58	2632.0218	KBH 5/3 print "S"	59
2591.0419	KBH-C 10 bag print "+ "	62	2630.0214	KBH 3/3 print "O"	58	2632.0219	KBH 5/3 print "T"	59
2591.0420	KBH-C 10 bag print "- "	62	2630.0215	KBH 3/3 print "P"	58	2632.0220	KBH 5/3 print "U"	59
2595.0000	KBH-C 20 bag print "0"	62	2630.0216	KBH 3/3 print "Q"	58	2632.0221	KBH 5/3 print "V"	59
2595.0001	KBH-C 20 bag print "1"	62	2630.0217	KBH 3/3 print "R"	58	2632.0222	KBH 5/3 print "W"	59
2595.0002	KBH-C 20 bag print "2"	62	2630.0218	KBH 3/3 print "S"	58	2632.0223	KBH 5/3 print "X"	59
2595.0003	KBH-C 20 bag print "3"	62	2630.0219	KBH 3/3 print "T"	58	2632.0224	KBH 5/3 print "Y"	59
2595.0004	KBH-C 20 bag print "4"	62	2630.0220	KBH 3/3 print "U"	58	2632.0225	KBH 5/3 print "Z"	59
2595.0005	KBH-C 20 bag print "5"	62	2630.0221	KBH 3/3 print "V"	58	2632.0300	KBH 5/3 print "a"	59
2595.0006	KBH-C 20 bag print "6"	62	2630.0222	KBH 3/3 print "W"	58	2632.0301	KBH 5/3 print "b"	59
2595.0007	KBH-C 20 bag print "7"	62	2630.0223	KBH 3/3 print "X"	58	2632.0302	KBH 5/3 print "c"	59
2595.0008	KBH-C 20 bag print "8"	62	2630.0224	KBH 3/3 print "Y"	58	2632.0303	KBH 5/3 print "d"	59
2595.0009	KBH-C 20 bag print "9"	62	2630.0225	KBH 3/3 print "Z"	58	2632.0304	KBH 5/3 print "e"	59
2595.0400	KBH-C 20 bag print "+ RD	62	2630.0300	KBH 3/3 print "a"	58	2632.0305	KBH 5/3 print "f"	59
2595.0401	KBH-C 20 bag print "- BU	62	2630.0301	KBH 3/3 print "b"	58	2632.0306	KBH 5/3 print "g"	59
2595.0402	KBH-C 20 bag print " / "	62	2630.0302	KBH 3/3 print "c"	58	2632.0307	KBH 5/3 print "h"	59
2595.0403	KBH-C 20 bag print " . "	62	2630.0303	KBH 3/3 print "d"	58	2632.0308	KBH 5/3 print "i"	59
2595.0404	KBH-C 20 bag print " : "	62	2630.0304	KBH 3/3 print "e"	58	2632.0309	KBH 5/3 print "j"	59
2595.0405	KBH-C 20 bag print " = "	62	2630.0305	KBH 3/3 print "f"	58	2632.0310	KBH 5/3 print "k"	59
2595.0406	KBH-C 20 bag print "Earth"	62	2630.0306	KBH 3/3 print "g"	58	2632.0311	KBH 5/3 print "l"	59
2595.0407	KBH-C 20 bag print "Earth with circle"	62	2630.0307	KBH 3/3 print "h"	58	2632.0312	KBH 5/3 print "m"	59
2595.0408	KBH-C 20 bag print " ~ "	62	2630.0308	KBH 3/3 print "i"	58	2632.0313	KBH 5/3 print "n"	59
2595.0419	KBH-C 20 bag print "+ "	62	2630.0309	KBH 3/3 print "j"	58	2632.0314	KBH 5/3 print "o"	59
2595.0420	KBH-C 20 bag print "- "	62	2630.0310	KBH 3/3 print "k"	58	2632.0315	KBH 5/3 print "p"	59
2596.0000	KBH 5/3 BK print "0"	59	2630.0311	KBH 3/3 print "l"	58	2632.0316	KBH 5/3 print "q"	59
2596.0001	KBH 5/3 BN print "1"	59	2630.0312	KBH 3/3 print "m"	58	2632.0317	KBH 5/3 print "r"	59
2596.0002	KBH 5/3 RD print "2"	59	2630.0313	KBH 3/3 print "n"	58	2632.0318	KBH 5/3 print "s"	59
2596.0003	KBH 5/3 OG print "3"	59	2630.0314	KBH 3/3 print "o"	58	2632.0319	KBH 5/3 print "t"	59
2596.0004	KBH 5/3 YE print "4"	59	2630.0315	KBH 3/3 print "p"	58	2632.0320	KBH 5/3 print "u"	59
2596.0005	KBH 5/3 GN print "5"	59	2630.0316	KBH 3/3 print "q"	58	2632.0321	KBH 5/3 print "v"	59
2596.0006	KBH 5/3 BU print "6"	59	2630.0317	KBH 3/3 print "r"	58	2632.0322	KBH 5/3 print "w"	59
2596.0007	KBH 5/3 VT print "7"	59	2630.0318	KBH 3/3 print "s"	58	2632.0323	KBH 5/3 print "x"	59
2596.0008	KBH 5/3 GR print "8"	59	2630.0319	KBH 3/3 print "t"	58	2632.0324	KBH 5/3 print "y"	59
2596.0009	KBH 5/3 WH print "9"	59	2630.0320	KBH 3/3 print "u"	58	2632.0325	KBH 5/3 print "z"	59
2597.0000	KBH 3/3 BK print "0"	58	2630.0321	KBH 3/3 print "v"	58	2632.0400	KBH 5/3 print "+ RD	59
2597.0001	KBH 3/3 BN print "1"	58	2630.0322	KBH 3/3 print "w"	58	2632.0401	KBH 5/3 print "- BU	59
2597.0002	KBH 3/3 RD print "2"	58	2630.0323	KBH 3/3 print "x"	58	2632.0402	KBH 5/3 print " / "	59
2597.0003	KBH 3/3 OG print "3"	58	2630.0324	KBH 3/3 print "y"	58	2632.0403	KBH 5/3 print " . "	59
2597.0004	KBH 3/3 YE print "4"	58	2630.0325	KBH 3/3 print "z"	58	2632.0404	KBH 5/3 print " : "	59
2597.0005	KBH 3/3 GN print "5"	58	2630.0400	KBH 3/3 print "+ RD	58	2632.0405	KBH 5/3 print " = "	59
2597.0006	KBH 3/3 BU print "6"	58	2630.0401	KBH 3/3 print "- BU	58	2632.0406	KBH 5/3 print "Erde"	59
2597.0007	KBH 3/3 VT print "7"	58	2630.0402	KBH 3/3 print " / "	58	2632.0407	KBH 5/3 print "Earth with circle"	59
2597.0008	KBH 3/3 GR print "8"	58	2630.0403	KBH 3/3 print " . "	58	2632.0408	KBH 5/3 print " ~ "	59
2597.0009	KBH 3/3 WH print "9"	58	2630.0404	KBH 3/3 print " : "	58	2632.0419	KBH 5/3 print "+ "	59
2599.0000	KBH-C 30 bag print "0"	62	2630.0405	KBH 3/3 print " = "	58	2632.0420	KBH 5/3 print "- "	59
2599.0001	KBH-C 30 bag print "1"	62	2630.0406	KBH 3/3 print "Earth"	58	2633.0100	KBH 5/3 neutral BK	59
2599.0002	KBH-C 30 bag print "2"	62	2630.0407	KBH 3/3 print "Earth with circle"	58	2633.0101	KBH 5/3 neutral BN	59
2599.0003	KBH-C 30 bag print "3"	62	2630.0408	KBH 3/3 print " ~ "	58	2633.0102	KBH 5/3 neutral RD	59
2599.0004	KBH-C 30 bag print "4"	62	2630.0419	KBH 3/3 print "+ "	58	2633.0103	KBH 5/3 neutral OG	59

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2633.0105	KBH 5/3 neutral GN	59	2638.0100	KBH 10/4 neutral BK	60	2666.0208	KBH-S 4 print "I"	66
2633.0106	KBH 5/3 neutral BU	59	2638.0101	KBH 10/4 neutral BN	60	2666.0209	KBH-S 4 print "J"	66
2633.0107	KBH 5/3 neutral VT	59	2638.0102	KBH 10/4 neutral RD	60	2666.0210	KBH-S 4 print "K"	66
2633.0108	KBH 5/3 neutral GR	59	2638.0103	KBH 10/4 neutral OG	60	2666.0211	KBH-S 4 print "L"	66
2633.0109	KBH 5/3 neutral WH	59	2638.0104	KBH 10/4 neutral YE	60	2666.0212	KBH-S 4 print "M"	66
2634.0409	KBH 5/6 print "L1"	59	2638.0105	KBH 10/4 neutral GN	60	2666.0213	KBH-S 4 print "N"	66
2634.0410	KBH 5/6 print "L2"	59	2638.0106	KBH 10/4 neutral BU	60	2666.0214	KBH-S 4 print "O"	66
2634.0411	KBH 5/6 print "L3"	59	2638.0107	KBH 10/4 neutral VT	60	2666.0215	KBH-S 4 print "P"	66
2634.0412	KBH 5/6 print "MP"	59	2638.0108	KBH 10/4 neutral GR	60	2666.0216	KBH-S 4 print "Q"	66
2634.0413	KBH 5/6 print "PE"	59	2638.0109	KBH 10/4 neutral WH	60	2666.0217	KBH-S 4 print "R"	66
2634.0414	KBH 5/6 print "X1"	59	2639.0000	KBH 16/6 print "0"	61	2666.0218	KBH-S 4 print "S"	66
2634.0415	KBH 5/6 print "X2"	59	2639.0001	KBH 16/6 print "1"	61	2666.0219	KBH-S 4 print "T"	66
2634.0416	KBH 5/6 print "X3"	59	2639.0002	KBH 16/6 print "2"	61	2666.0220	KBH-S 4 print "U"	66
2634.0417	KBH 5/6 print "A1"	59	2639.0003	KBH 16/6 print "3"	61	2666.0221	KBH-S 4 print "V"	66
2634.0418	KBH 5/6 print "A2"	59	2639.0004	KBH 16/6 print "4"	61	2666.0222	KBH-S 4 print "W"	66
2637.0000	KBH 10/4 print "0"	60	2639.0005	KBH 16/6 print "5"	61	2666.0223	KBH-S 4 print "X"	66
2637.0001	KBH 10/4 print "1"	60	2639.0006	KBH 16/6 print "6"	61	2666.0224	KBH-S 4 print "Y"	66
2637.0002	KBH 10/4 print "2"	60	2639.0007	KBH 16/6 print "7"	61	2666.0225	KBH-S 4 print "Z"	66
2637.0003	KBH 10/4 print "3"	60	2639.0008	KBH 16/6 print "8"	61	2666.0300	KBH-S 4 print "a"	66
2637.0004	KBH 10/4 print "4"	60	2639.0009	KBH 16/6 print "9"	61	2666.0301	KBH-S 4 print "b"	66
2637.0005	KBH 10/4 print "5"	60	2639.0200	KBH 16/6 print "A"	61	2666.0302	KBH-S 4 print "c"	66
2637.0006	KBH 10/4 print "6"	60	2639.0201	KBH 16/6 print "B"	61	2666.0303	KBH-S 4 print "d"	66
2637.0007	KBH 10/4 print "7"	60	2639.0202	KBH 16/6 print "C"	61	2666.0304	KBH-S 4 print "e"	66
2637.0008	KBH 10/4 print "8"	60	2639.0203	KBH 16/6 print "D"	61	2666.0305	KBH-S 4 print "f"	66
2637.0009	KBH 10/4 print "9"	60	2639.0204	KBH 16/6 print "E"	61	2666.0306	KBH-S 4 print "g"	66
2637.0200	KBH 10/4 print "A"	60	2639.0205	KBH 16/6 print "F"	61	2666.0307	KBH-S 4 print "h"	66
2637.0201	KBH 10/4 print "B"	60	2639.0206	KBH 16/6 print "G"	61	2666.0308	KBH-S 4 print "i"	66
2637.0202	KBH 10/4 print "C"	60	2639.0207	KBH 16/6 print "H"	61	2666.0309	KBH-S 4 print "j"	66
2637.0203	KBH 10/4 print "D"	60	2639.0208	KBH 16/6 print "I"	61	2666.0310	KBH-S 4 print "k"	66
2637.0204	KBH 10/4 print "E"	60	2639.0209	KBH 16/6 print "J"	61	2666.0311	KBH-S 4 print "l"	66
2637.0205	KBH 10/4 print "F"	60	2639.0210	KBH 16/6 print "K"	61	2666.0312	KBH-S 4 print "m"	66
2637.0206	KBH 10/4 print "G"	60	2639.0211	KBH 16/6 print "L"	61	2666.0313	KBH-S 4 print "n"	66
2637.0207	KBH 10/4 print "H"	60	2639.0212	KBH 16/6 print "M"	61	2666.0314	KBH-S 4 print "o"	66
2637.0208	KBH 10/4 print "I"	60	2639.0213	KBH 16/6 print "N"	61	2666.0315	KBH-S 4 print "p"	66
2637.0209	KBH 10/4 print "J"	60	2639.0214	KBH 16/6 print "O"	61	2666.0316	KBH-S 4 print "q"	66
2637.0210	KBH 10/4 print "K"	60	2639.0215	KBH 16/6 print "P"	61	2666.0317	KBH-S 4 print "r"	66
2637.0211	KBH 10/4 print "L"	60	2639.0216	KBH 16/6 print "Q"	61	2666.0318	KBH-S 4 print "s"	66
2637.0212	KBH 10/4 print "M"	60	2639.0217	KBH 16/6 print "R"	61	2666.0319	KBH-S 4 print "t"	66
2637.0213	KBH 10/4 print "N"	60	2639.0218	KBH 16/6 print "S"	61	2666.0320	KBH-S 4 print "u"	66
2637.0214	KBH 10/4 print "O"	60	2639.0219	KBH 16/6 print "T"	61	2666.0321	KBH-S 4 print "v"	66
2637.0215	KBH 10/4 print "P"	60	2639.0220	KBH 16/6 print "U"	61	2666.0322	KBH-S 4 print "w"	66
2637.0216	KBH 10/4 print "Q"	60	2639.0221	KBH 16/6 print "V"	61	2666.0323	KBH-S 4 print "x"	66
2637.0217	KBH 10/4 print "R"	60	2639.0222	KBH 16/6 print "W"	61	2666.0324	KBH-S 4 print "y"	66
2637.0218	KBH 10/4 print "S"	60	2639.0223	KBH 16/6 print "X"	61	2666.0325	KBH-S 4 print "z"	66
2637.0219	KBH 10/4 print "T"	60	2639.0224	KBH 16/6 print "Y"	61	2666.0400	KBH-S 4 print "+" RD	66
2637.0220	KBH 10/4 print "U"	60	2639.0225	KBH 16/6 print "Z"	61	2666.0401	KBH-S 4 print "-" BU	66
2637.0221	KBH 10/4 print "V"	60	2639.0400	KBH 16/6 print "+" RD	61	2666.0402	KBH-S 4 print " / "	66
2637.0222	KBH 10/4 print "W"	60	2639.0401	KBH 16/6 print "-" BU	61	2666.0403	KBH-S 4 print " . "	66
2637.0223	KBH 10/4 print "X"	60	2639.0402	KBH 16/6 print " / "	61	2666.0404	KBH-S 4 print " : "	66
2637.0224	KBH 10/4 print "Y"	60	2639.0403	KBH 16/6 print " . "	61	2666.0405	KBH-S 4 print " = "	66
2637.0225	KBH 10/4 print "Z"	60	2639.0404	KBH 16/6 print " : "	61	2666.0406	KBH-S 4 print "Circle"	66
2637.0300	KBH 10/4 print "a"	60, 61	2639.0405	KBH 16/6 print " = "	61	2666.0407	KBH-S 4 print "Earth with circle"	66
2637.0301	KBH 10/4 print "b"	60, 61	2639.0406	KBH 16/6 print "Earth"	61	2666.0408	KBH-S 4 print " ~ "	66
2637.0302	KBH 10/4 print "c"	60, 61	2639.0407	KBH 16/6 print "Earth with circle"	61	2666.0419	KBH-S 4 print " + "	66
2637.0303	KBH 10/4 print "d"	60, 61	2639.0408	KBH 16/6 print " ~ "	61	2666.0420	KBH-S 4 print " - "	66
2637.0304	KBH 10/4 print "e"	60, 61	2639.0419	KBH 16/6 print " + "	61	2671.0100	KBH-S 4 neutral BK	66
2637.0305	KBH 10/4 print "f"	60, 61	2639.0420	KBH 16/6 print " - "	61	2671.0101	KBH-S 4 neutral BN	66
2637.0306	KBH 10/4 print "g"	60, 61	2640.0100	KBH 16/6 neutral BK	61	2671.0102	KBH-S 4 neutral RD	66
2637.0307	KBH 10/4 print "h"	60, 61	2640.0101	KBH 16/6 neutral BN	61	2671.0103	KBH-S 4 neutral OG	66
2637.0308	KBH 10/4 print "i"	60, 61	2640.0102	KBH 16/6 neutral RD	61	2671.0104	KBH-S 4 neutral YE	66
2637.0309	KBH 10/4 print "j"	60, 61	2640.0103	KBH 16/6 neutral OG	61	2671.0105	KBH-S 4 neutral GN	66
2637.0310	KBH 10/4 print "k"	60, 61	2640.0104	KBH 16/6 neutral YE	61	2671.0106	KBH-S 4 neutral BU	66
2637.0311	KBH 10/4 print "l"	60, 61	2640.0105	KBH 16/6 neutral GN	61	2671.0107	KBH-S 4 neutral VT/WH	66
2637.0312	KBH 10/4 print "m"	60, 61	2640.0106	KBH 16/6 neutral BU	61	2671.0108	KBH-S 4 neutral GR	66
2637.0313	KBH 10/4 print "n"	60, 61	2640.0107	KBH 16/6 neutral VT	61	2671.0109	KBH-S 4 neutral WH	66
2637.0314	KBH 10/4 print "o"	60, 61	2640.0108	KBH 16/6 neutral GR	61	2675.0409	KBH 3/6 print "L1"	58
2637.0315	KBH 10/4 print "p"	60, 61	2640.0109	KBH 16/6 neutral WH	61	2675.0410	KBH 3/6 print "L2"	58
2637.0316	KBH 10/4 print "q"	60, 61	2650.0	MD 3	58	2675.0411	KBH 3/6 print "L3"	58
2637.0317	KBH 10/4 print "r"	60, 61	2651.0	MD 4	59	2675.0412	KBH 3/6 print "MP"	58
2637.0318	KBH 10/4 print "s"	60, 61	2652.0	MD 5	59	2675.0413	KBH 3/6 print "PE"	58
2637.0319	KBH 10/4 print "t"	60, 61	2666.0000	KBH-S 4 print "0"	66	2675.0414	KBH 3/6 print "X1"	58
2637.0320	KBH 10/4 print "u"	60, 61	2666.0001	KBH-S 4 print "1"	66	2675.0415	KBH 3/6 print "X2"	58
2637.0321	KBH 10/4 print "v"	60, 61	2666.0002	KBH-S 4 print "2"	66	2675.0416	KBH 3/6 print "X3"	58
2637.0322	KBH 10/4 print "w"	60, 61	2666.0003	KBH-S 4 print "3"	66	2675.0417	KBH 3/6 print "A1"	58
2637.0323	KBH 10/4 print "x"	60, 61	2666.0004	KBH-S 4 print "4"	66	2675.0418	KBH 3/6 print "A2"	58
2637.0324	KBH 10/4 print "y"	60, 61	2666.0005	KBH-S 4 print "5"	66	2678.0409	KBH 3/6 print "L1"	58
2637.0325	KBH 10/4 print "z"	60, 61	2666.0006	KBH-S 4 print "6"	66	2678.0410	KBH 3/6 print "L2"	58
2637.0400	KBH 10/4 print "+" RD	60	2666.0007	KBH-S 4 print "7"	66	2678.0411	KBH 3/6 print "L3"	58
2637.0401	KBH 10/4 print "-" BU	60	2666.0008	KBH-S 4 print "8"	66	2678.0412	KBH 3/6 print "MP"	58
2637.0402	KBH 10/4 print " / "	60	2666.0009	KBH-S 4 print "9"	66	2678.0413	KBH 3/6 print "PE"	58
2637.0403	KBH 10/4 print " . "	60	2666.0200	KBH-S 4 print "A"	66	2678.0414	KBH 3/6 print "X1"	58
2637.0404	KBH 10/4 print " : "	60	2666.0201	KBH-S 4 print "B"	66	2678.0415	KBH 3/6 print "X2"	58
2637.0405	KBH 10/4 print " = "	60	2666.0202	KBH-S 4 print "C"	66	2678.0416	KBH 3/6 print "X3"	58
2637.0406	KBH 10/4 print "Earth"	60	2666.0203	KBH-S 4 print "D"	66	2678.0417	KBH 3/6 print "A1"	58
2637.0407	KBH 10/4 print "Earth with circle"	60	2666.0204	KBH-S 4 print "E"	66	2678.0418	KBH 3/6 print "A2"	58
2637.0408	KBH 10/4 print " ~ "	60	2666.0205	KBH-S 4 print "F"	66	2681.0409	KBH 5/6 print "L1"	59
2637.0419	KBH 10/4 print " + "	60	2666.0206	KBH-S 4 print "G"	66	2681.0410	KBH 5/6 print "L2"	59

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2681.0412	KBH 5/6 print "MP"	59	2691.0108	KBH-S 4 neutral GR	66	3928.7	GKE 105/ 148 A4 WH	57
2681.0413	KBH 5/6 print "PE"	59	2691.0109	KBH-S 4 neutral WH	66	3928.8	GKE 105/148 A4 YE	57
2681.0414	KBH 5/6 print "X1"	59	2695.0409	KBH 10/6 print "L1"	60	3929.7	GKE 210/ 148 A4 WH	57
2681.0415	KBH 5/6 print "X2"	59	2695.0410	KBH 10/6 print "L2"	60	3929.8	GKE 210/148 A4 YE	57
2681.0416	KBH 5/6 print "X3"	59	2695.0411	KBH 10/6 print "L3"	60	3950.7	KKE 34/18 WH	54
2681.0417	KBH 5/6 print "A1"	59	2695.0412	KBH 10/6 print "MP"	60	3950.8	KKE 34/18 YE	54
2681.0418	KBH 5/6 print "A2"	59	2695.0413	KBH 10/6 print "PE"	60	3951.7	KKE 76/25 WH	54
2690.0000	KBH-S 4 print "0"	66	2695.0414	KBH 10/6 print "X1"	60	3951.8	KKE 76/25 YE	54
2690.0001	KBH-S 4 print "1"	66	2695.0415	KBH 10/6 print "X2"	60	3952.7	KKE 93/36 WH	54
2690.0002	KBH-S 4 print "2"	66	2695.0416	KBH 10/6 print "X3"	60	3952.8	KKE 93/36 YE	54
2690.0003	KBH-S 4 print "3"	66	2695.0417	KBH 10/6 print "A1"	60	3953.7	KKE 140/25 WH	54
2690.0004	KBH-S 4 print "4"	66	2695.0418	KBH 10/6 print "A2"	60	3953.8	KKE 140/25 YE	54
2690.0005	KBH-S 4 print "5"	66				3954.7	KKE 55/23 WH	54
2690.0006	KBH-S 4 print "6"	66	3			3954.8	KKE 55/23 YE	54
2690.0007	KBH-S 4 print "7"	66	3189.0	KB 100 BF 25x8	64	3955.7	KKE 35/25 WH	54
2690.0008	KBH-S 4 print "8"	66	3190.0	KB 200 BF 25x8	64	3955.8	KKE 35/25 YE	54
2690.0009	KBH-S 4 print "9"	66	3191.0	KB 200 BF 28.5x13	64	3956.7	KKE 25/37 A4 WH	55
2690.0200	KBH-S 4 print "A"	66	3192.0	KKM 34x10	65	3956.8	KKE 25/37 A4 YE	55
2690.0201	KBH-S 4 print "B"	66	3193.0	KKM 45x20	65	3957.7	KKE 34/17.8 A4 WH	55
2690.0202	KBH-S 4 print "C"	66	3827.4	GSU-H 17x15 BK	35	3957.8	KKE 34/17.8 A4 YE	55
2690.0203	KBH-S 4 print "D"	66	3828.4	GSU-H 17x15 BK	35	3958.7	KKE 55/22.8 A4 WH	55
2690.0204	KBH-S 4 print "E"	66	3829.4	GSU-H 49x15 BK	35	3958.8	KKE 55/22.8 A4 YE	55
2690.0205	KBH-S 4 print "F"	66	3830.4	GSU-H 60x15 BK	35	3959.7	KKE 68/25.4 A4 WH	55
2690.0206	KBH-S 4 print "G"	66	3850.4	GSU-H 60x30 BK	35	3959.8	KKE 68/25.4 A4 YE	55
2690.0207	KBH-S 4 print "H"	66	3851.4	GSU-H 85.4x54 BK	35	3960.7	KKE 93/35.5 A4 WH	55
2690.0208	KBH-S 4 print "I"	66	3860.0	STR MC GSU 17x15 R transparent	35	3960.8	KKE 93/35.5 A4 YE	55
2690.0209	KBH-S 4 print "J"	66	3861.0	STR MC GSU 27x15 R transparent	35	3961.7	KKE 139.7/25.4 A4 WH	55
2690.0210	KBH-S 4 print "K"	66	3862.0	STR MC GSU 49x15 R transparent	35	3961.8	KKE 139.7/25.4 A4 YE	55
2690.0211	KBH-S 4 print "L"	66	3863.0	STR MC GSU 60x15 R transparent	35	3992.8	AQI 3/10/18 YE	57
2690.0212	KBH-S 4 print "M"	66	3864.0	STR MC GSU 60x30 R transparent	35			
2690.0213	KBH-S 4 print "N"	66	3865.0	STR MC GSU 85.4x54 R transparent	35	9		
2690.0214	KBH-S 4 print "O"	66	3896.0	KSH 4/30	63	9802.4	GST-H 27x8 BK	36
2690.0215	KBH-S 4 print "P"	66	3900.0	GKE 15/6 SI	56	9803.4	GST-H 27x12.5 BK	36
2690.0216	KBH-S 4 print "Q"	66	3900.7	GKE 15/6 WH	56	9804.4	GST-H 27x18 BK	36
2690.0217	KBH-S 4 print "R"	66	3900.8	GKE 15/6 YE	56	9805.4	GST-H 27x27 BK	36
2690.0218	KBH-S 4 print "S"	66	3901.0	GKE 18/6 SI	56			
2690.0219	KBH-S 4 print "T"	66	3901.7	GKE 18/6 WH	56	17		
2690.0220	KBH-S 4 print "U"	66	3901.8	GKE 18/6 YE	56	17741.0	TTP eco starter kit	53
2690.0221	KBH-S 4 print "V"	66	3902.0	GKE 18/9 SI	56	17742.0	TTP eco optional cutting device	53
2690.0222	KBH-S 4 print "W"	66	3902.7	GKE 18/9 WH	56	17743.0	TTP eco external roll unwinder	53
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2690.0300	KBH-S 4 print "a"	66	3903.8	GKE 20/8 YE	56	28010.0	Film TTPCard SI	9
2690.0301	KBH-S 4 print "b"	66	3904.0	GKE 25/12 SI	56	28010.1	Film TTPCard GN	9
2690.0302	KBH-S 4 print "c"	66	3904.7	GKE 25/12 WH	56	28010.4	Film TTPCard BK	9
2690.0303	KBH-S 4 print "d"	66	3904.8	GKE 25/12 YE	56	28010.5	Film TTPCard BU	9
2690.0304	KBH-S 4 print "e"	66	3905.0	GKE 26/10 SI	56	28010.7	Film TTPCard WH	9
2690.0305	KBH-S 4 print "f"	66	3905.7	GKE 26/10 WH	56	28010.9	Film TTPCard RD	9
2690.0306	KBH-S 4 print "g"	66	3905.8	GKE 26/10 YE	56	28020.0	CCI-PC-SB 5X5	9, 12
2690.0307	KBH-S 4 print "h"	66	3906.0	GKE 26.5/17.5 SI	56	28021.0	CCI-PC-TDM	9
2690.0308	KBH-S 4 print "i"	66	3907.0	GKE 30/20 SI	56	28022.0	CCI-PC-TDMO	9, 17, 18
2690.0309	KBH-S 4 print "j"	66	3907.7	GKE 30/20 WH	56	28023.0	CCI-PC-CPM-01	9, 13
2690.0310	KBH-S 4 print "k"	66	3907.8	GKE 30/20 YE	56	28024.0	CCI-PC-CPM-05/12	9, 13, 14, 21
2690.0311	KBH-S 4 print "l"	66	3908.0	GKE 32/9 SI	56	28025.0	CCI-PC-CPM-06	9, 14
2690.0312	KBH-S 4 print "m"	66	3908.7	GKE 32/9 WH	56	28026.0	CCI-PC-CPM-09	9, 14
2690.0313	KBH-S 4 print "n"	66	3908.8	GKE 32/9 YE	56	28027.0	CCI-PC-CPM-10/BSTR	9, 12, 14
2690.0314	KBH-S 4 print "o"	66	3909.0	GKE 38/19 SI	56	28028.0	CCI-PC-CPM-13	14
2690.0315	KBH-S 4 print "p"	66	3909.7	GKE 38/19 WH	56	28029.0	CCI-PC-SPM-02	21
2690.0316	KBH-S 4 print "q"	66	3909.8	GKE 38/19 YE	56	28040.0	CCI-PC-TPM	9
2690.0317	KBH-S 4 print "r"	66	3910.0	GKE 45/23 SI	56	28041.0	CCI-PC/PVC/PVCF	9, 15, 16, 19, 20, 22-32
2690.0318	KBH-S 4 print "s"	66	3910.7	GKE 45/23 WH	56	28042.0	CCI-PC-CPM/SPM	9, 13, 14, 21
2690.0319	KBH-S 4 print "t"	66	3910.8	GKE 45/23 YE	56	28043.0	TTPCard cleaning set	9
2690.0320	KBH-S 4 print "u"	66	3911.0	GKE 65/35 SI	56	28044.0	TTPCard cleaning cloth	9
2690.0321	KBH-S 4 print "v"	66	3911.7	GKE 65/35 WH	56	28045.0	TTPCard cleaning spray	9
2690.0322	KBH-S 4 print "w"	66	3911.8	GKE 65/35 YE	56	28046.0	CCI-PC-SB 7.5x4	9, 12
2690.0323	KBH-S 4 print "x"	66	3912.0	GKE 101/48 SI	56	28047.0	CCI-PC-SB 6x5	9, 12
2690.0324	KBH-S 4 print "y"	66	3913.0	GKE 101/74 SI	56	28100.7	PVC-TPMF 4X12 WH	16
2690.0325	KBH-S 4 print "z"	66	3914.8	GKE 10/7 YE	56	28100.8	PVC-TPMF 4X12 YE	16
2690.0400	KBH-S 4 print "+ RD	66	3915.0	GKE 21.5/21.5 SI	56	28101.7	PVC-TPMF 4X15 WH	16
2690.0401	KBH-S 4 print "- BU	66	3916.0	GKE 27/27 SI	56	28101.8	PVC-TPMF 4X15 YE	16
2690.0402	KBH-S 4 print "/ "	66	3917.7	GKE 30/6 WH	56	28102.7	PVC-TPMF 4X20 WH	16
2690.0403	KBH-S 4 print ". "	66	3920.7	GKE 15/ 4.6 A4 WH	57	28102.8	PVC-TPMF 4X20 YE	16
2690.0404	KBH-S 4 print ": "	66	3920.8	GKE 15/4.6 A4 YE	57	28103.7	PVC-TPMF 4X30 WH	16
2690.0405	KBH-S 4 print "= "	66	3921.7	GKE 15/ 6 A4 WH	57	28103.8	PVC-TPMF 4X30 YE	16
2690.0406	KBH-S 4 print "Circle"	66	3921.8	GKE 15/6 A4 YE	57	28104.7	PC-TPMF-HF 4X12 WH	16
2690.0407	KBH-S 4 print "Earth with circle"	66	3922.7	GKE 20/ 8 A4 WH	57	28105.7	PC-TPMF-HF 4X15 WH	16
2690.0408	KBH-S 4 print "~ "	66	3922.8	GKE 20/8 A4 YE	64	28105.8	PC-TPMF-HF 4X15 YE	16
2690.0419	KBH-S 4 print "+ "	66	3923.7	GKE 25.4/ 12.7 A4 WH	57	28110.7	PC-TDM-01 4X12 WH	17
2690.0420	KBH-S 4 print "- "	66	3923.8	GKE 25.4/12.7 A4 YE	57	28110.8	PC-TDM-01 4X12 YE	17
2691.0100	KBH-S 4 neutral BK	66	3924.7	GKE 26/ 10 A4 WH	57	28111.7	PC-TDM-01 4X16 WH	17
2691.0101	KBH-S 4 neutral BN	66	3924.8	GKE 26/10 A4 YE	57			
2691.0102	KBH-S 4 neutral RD	66	3925.7	GKE 30/ 20 A4 WH	57			
2691.0103	KBH-S 4 neutral OG	66	3925.8	GKE 30/20 A4 YE	57			
2691.0104	KBH-S 4 neutral YE	66	3926.7	GKE 56/ 22 A4 WH	57			
2691.0105	KBH-S 4 neutral GN	66	3926.8	GKE 56/22 A4 YE	57			
2691.0106	KBH-S 4 neutral BU	66	3927.7	GKE 60/36 A4 WH	57			

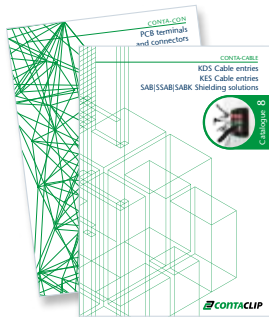
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28112.7	PC-TDM-02 4X12 WH	17	28164.7	PVC-TAPW 9X35 WH	25	28196.6	PVC-VRT-R 35X100 GR	29
28112.8	PC-TDM-02 4X12 YE	17	28164.8	PVC-TAPW 9X35 YE	25	28196.7	PVC-VRT-R 35X100 WH	29
28113.7	PC-TDM-02 4X16 WH	17	28165.6	PVC-TAA 7X20 K GR	26	28196.8	PVC-VRT-R 35X100 YE	29
28113.8	PC-TDM-02 4X16 YE	17	28165.7	PVC-TAA 7X20 K WH	26	28197.7	PVC-VRT-R 50X100 WH	29
28114.7	PC-TDMO-01 4X12 WH	18	28165.8	PVC-TAA 7X20 K YE	26	28198.6	PVC-VRT-R 102X138 GR	29
28114.8	PC-TDMO-01 4X12 YE	18	28166.6	PVC-TAA 8X12 K GR	26	28198.7	PVC-VRT-R 102X138 WH	29
28115.7	PC-TDMO-01 4X16 WH	18	28166.7	PVC-TAA 8X12 K WH	26	28198.8	PVC-VRT-R 102X138 YE	29
28115.8	PC-TDMO-01 4X16 YE	18	28166.8	PVC-TAA 8X12 K YE	26	28199.7	PVC-VRT-RH 15X52 WH	31
28116.7	PC-TDMO-02 4X12 WH	18	28167.7	PVC-TAA 8X17 K WH	26	28200.7	PVC-VRT-RH 15X80 WH	31
28116.8	PC-TDMO-02 4X12 YE	18	28167.8	PVC-TAA 8X17 K YE	26	28200.8	PVC-VRT-RH 15X80 YE	31
28117.7	PC-TDMO-02 4X16 WH	18	28168.7	PVC-TAA 8.5X30 K WH	26	28201.6	PVC-VRT-RH 25X50 GR	31
28117.8	PC-TDMO-02 4X16 YE	18	28168.8	PVC-TAA 8.5X30 K YE	26	28201.7	PVC-VRT-RH 25X50 WH	31
28118.7	PC-TDMO-03 4X12 WH	18	28169.6	PVC-TAA 9X12 K GR	26	28201.8	PVC-VRT-RH 25X50 YE	31
28118.8	PC-TDMO-03 4X12 YE	18	28169.7	PVC-TAA 9X12 K WH	26	28202.7	PVC-VRT-RH 25X75 WH	31
28119.7	PC-TDMO-03 4X16 WH	18	28169.8	PVC-TAA 9X12 K YE	26	28202.8	PVC-VRT-RH 25X75 YE	31
28119.8	PC-TDMO-03 4X16 YE	18	28170.6	PVC-TAA 9X15 K GR	26	28203.7	PVC-VRT-RH 25X80 WH	31
28120.7	PVC-ETF 13X57 WH	19	28170.7	PVC-TAA 9X15 K WH	26	28204.7	PVC-VRT-RH 25X100 WH	31
28120.8	PVC-ETF 13X57 YE	19	28170.8	PVC-TAA 9X15 K YE	26	28204.8	PVC-VRT-RH 25X100 YE	31
28121.7	PVC-ETF 20X26 WH	19	28171.6	PVC-TAA 9X20 K GR	26	28205.7	PVC-VRT-RH 35X50 WH	31
28121.8	PVC-ETF 20X26 YE	19	28171.7	PVC-TAA 9X20 K WH	26	28206.7	PVC-VRT-RH 35X80 WH	31
28122.7	PVC-ETF 20X27 WH	19	28171.8	PVC-TAA 9X20 K YE	26	28206.8	PVC-VRT-RH 35X80 YE	31
28122.8	PVC-ETF 20X27 YE	19	28172.6	PVC-TAA 9X35 K GR	26	28207.7	PVC-VRT-RH 35X100 WH	31
28123.7	PVC-ETF 28X57 WH	19	28172.7	PVC-TAA 9X35 K WH	26	28207.8	PVC-VRT-RH 35X100 YE	31
28123.8	PVC-ETF 28X57 YE	19	28172.8	PVC-TAA 9X35 K YE	26	28208.6	PVC-VRT-RH 50X100 GR	31
28124.7	PC-ETF-HF 13X57 WH	19	28173.6	PVC-TAA 9X50 K GR	26	28208.7	PVC-VRT-RH 50X100 WH	31
28124.8	PC-ETF-HF 13X57 YE	19	28173.7	PVC-TAA 9X50 K WH	26	28208.8	PVC-VRT-RH 50X100 YE	31
28125.7	PC-ETF-HF 28X57 WH	19	28173.8	PVC-TAA 9X50 K YE	26	28209.7	PVC-VRT-RH 75X120 WH	31
28125.8	PC-ETF-HF 28X57 YE	19	28174.7	PVC-TAA 10X105 K WH	26	28209.8	PVC-VRT-RH 75X120 YE	31
28135.7	PC-SPM-02 7X20 WH	21	28174.8	PVC-TAA 10X105 K YE	26	28210.6	PVC-VRT-RH 105x110 GR	31
28136.7	PC-SPM-02 9X19 WH	21	28175.6	PVC-TAA 15X17 K GR	26	28210.7	PVC-VRT-RH 105X110 WH	31
28137.7	PC-SPM-09 8X20 WH	21	28175.7	PVC-TAA 15X17 K WH	26	28210.8	PVC-VRT-RH 105X110 YE	31
28138.6	PVC-TAP 15X17 GR	22	28175.8	PVC-TAA 15X17 K YE	26	28211.7	PVC-VRT-RH 29X140 WH	31
28138.7	PVC-TAP 15X17 WH	22	28176.6	PVC-TAA 15X27 K GR	26	28212.7	PVC-VRT-RH 35X142 WH	31
28138.8	PVC-TAP 15X17 YE	22	28176.7	PVC-TAA 15X27 K WH	26	28213.7	PVC-VRT-RH 50X140 WH	31
28139.6	PVC-TAP 15X27 GR	22	28176.8	PVC-TAA 15X27 K YE	26	28214.7	PVC-VRT-RH 82X142 WH	31
28139.7	PVC-TAP 15X27 WH	22	28177.6	PVC-TAA 15X44 K GR	26	28215.6	PVC-VRT-A 25X50 GR	30
28139.8	PVC-TAP 15X27 YE	22	28177.7	PVC-TAA 15X44 K WH	26	28215.7	PVC-VRT-A 25X50 WH	30
28140.7	PVC-TAP 15X32 WH	22	28177.8	PVC-TAA 15X44 K YE	26	28215.8	PVC-VRT-A 25X50 YE	30
28141.7	PVC-TAP 15X43 WH	22	28178.6	PVC-TAA 15X49 K GR	27	28216.7	PVC-VRT-A 25X80 WH	30
28142.6	PVC-TAP 15X49 GR	22	28178.7	PVC-TAA 15X49 K WH	27	28216.8	PVC-VRT-A 25X80 YE	30
28142.7	PVC-TAP 15X49 WH	22	28178.8	PVC-TAA 15X49 K YE	27	28217.7	PVC-VRT-A 25X100 WH	30
28142.8	PVC-TAP 15X49 YE	22	28179.6	PVC-TAA 15X67 K GR	27	28217.8	PVC-VRT-A 25X100 YE	30
28143.6	PVC-TAP 15X67 GR	22	28179.7	PVC-TAA 15X67 K WH	27	28218.6	PVC-VRT-A 32X58 GR	30
28143.7	PVC-TAP 15X67 WH	22	28179.8	PVC-TAA 15X67 K YE	27	28218.7	PVC-VRT-A 32X58 WH	30
28143.8	PVC-TAP 15X67 YE	22	28180.7	PVC-TAA 17X32 K WH	27	28218.8	PVC-VRT-A 32X58 YE	30
28144.6	PVC-TAP 17.5X27.8 GR	22	28180.8	PVC-TAA 17X32 K YE	27	28219.7	PVC-VRT-A 35X75 WH	30
28144.7	PVC-TAP 17.5X27.8 WH	22	28181.6	PVC-TAA 17X35 K GR	27	28219.8	PVC-VRT-A 35X75 YE	30
28145.6	PVC-TAP 8.2X27 GR	22	28181.7	PVC-TAA 17X35 K WH	27	28220.6	PVC-VRT-A 35X100 GR	30
28145.7	PVC-TAP 8.2X27 WH	22	28181.8	PVC-TAA 17X35 K YE	27	28220.7	PVC-VRT-A 35X100 WH	30
28145.8	PVC-TAP 8.2X27 YE	22	28182.6	PVC-TAA 17X44 K GR	27	28220.8	PVC-VRT-A 35X100 YE	30
28146.6	PVC-TAP 18X27 GR	22	28182.7	PVC-TAA 17X44 K WH	27	28221.6	PVC-VRT-A 42X78 GR	30
28146.7	PVC-TAP 18X27 WH	22	28182.8	PVC-TAA 17X44 K YE	27	28221.7	PVC-VRT-A 42X78 WH	30
28146.8	PVC-TAP 18X27 YE	22	28183.6	PVC-TAA 20X40 K GR	27	28221.8	PVC-VRT-A 42X78 YE	30
28147.7	PVC-TAP-CCS 15X17	23	28183.7	PVC-TAA 20X40 K WH	27	28222.7	PVC-VRT-A 50X50 WH	30
28148.7	PVC-TAP-CCS 15X27	23	28183.8	PVC-TAA 20X40 K YE	27	28222.8	PVC-VRT-A 50X50 YE	30
28149.7	PVC-TAP-CCS 17.5X27.8	23	28184.6	PVC-TAA 20X48 K GR	27	28223.6	PVC-VRT-A 52X107 GR	30
28150.7	PVC-TAP-CCS 15X49	23	28184.7	PVC-TAA 20X48 K WH	27	28223.7	PVC-VRT-A 52X107 WH	30
28151.7	PVC-TAP-CCS 15X67	23	28184.8	PVC-TAA 20X48 K YE	27	28223.8	PVC-VRT-A 52X107 YE	30
28152.6	PVC-PTS 39X30 GR	24	28185.6	PVC-TAA 20X72 K GR	27	28224.6	PVC-VRT-A 62X88 GR	30
28152.7	PVC-PTS 39X30 WH	24	28185.7	PVC-TAA 20X72 K WH	27	28224.7	PVC-VRT-A 62X88 WH	30
28152.8	PVC-PTS 39X30 YE	24	28185.8	PVC-TAA 20X72 K YE	27	28224.8	PVC-VRT-A 62X88 YE	30
28153.6	PVC-PTS 40X30 GR	24	28186.6	PVC-TAA 20X96 K GR	27	28225.6	PVC-VRT-A 92X118 GR	30
28153.7	PVC-PTS 40X30 WH	24	28186.7	PVC-TAA 20X96 K WH	27			
28153.8	PVC-PTS 40X30 YE	24	28186.8	PVC-TAA 20X96 K YE	27			
28154.6	PVC-PTS 50X30 GR	24	28187.6	PVC-TAA 18X27 K GR	27			
28154.7	PVC-PTS 50X30 WH	24	28187.7	PVC-TAA 18X27 K WH	27			
28154.8	PVC-PTS 50X30 YE	24	28187.8	PVC-TAA 18X27 K YE	27			
28155.6	PVC-PTSA 40X30 K GR	24	28188.6	PVC-TAA 12X26 K GR	27			
28155.7	PVC-PTSA 40X30 K WH	24	28188.7	PVC-TAA 12X26 K WH	27			
28155.8	PVC-PTSA 40X30 K YE	24	28189.6	PVC-TAA 22X22 K GR	27			
28156.6	PVC-PTSA 50X30 K GR	24	28189.7	PVC-TAA 22X22 K WH	27			
28156.7	PVC-PTSA 50X30 K WH	24	28190.6	PVC-TAA 27X27 K GR	27			
28156.8	PVC-PTSA 50X30 K YE	24	28190.7	PVC-TAA 27X27 K WH	27			
28157.6	PVC-PTS 60X62 GR	24	28191.6	PVC-VRT-R 32X58 GR	29			
28157.7	PVC-PTS 60X62 WH	24	28191.7	PVC-VRT-R 32X58 WH	29			
28157.8	PVC-PTS 60X62 YE	24	28191.8	PVC-VRT-R 32X58 YE	29			
28158.7	PVC-PTSA 60X40 K WH	24	28192.6	PVC-VRT-R 42X78 GR	29			
28159.6	PVC-PTSA 60X62 K GR	24	28192.7	PVC-VRT-R 42X78 WH	29			
28159.7	PVC-PTSA 60X62 K WH	24	28192.8	PVC-VRT-R 42X78 YE	29			
28159.8	PVC-PTSA 60X62 K YE	24	28193.6	PVC-VRT-R 52X107 GR	29			
28160.7	PVC-TAPW 9X12 WH	25	28193.7	PVC-VRT-R 52X107 WH	29			
28160.8	PVC-TAPW 9X12 YE	25	28193.8	PVC-VRT-R 52X107 YE	29			
28161.7	PVC-TAPW 9X15 WH	25	28194.6	PVC-VRT-R 62X88 GR	29			
28161.8	PVC-TAPW 9X15 YE	25	28194.7	PVC-VRT-R 62X88 WH	29			
28162.7	PVC-TAPW 9X20 WH	25	28194.8	PVC-VRT-R 62X88 YE	29			
28162.8	PVC-TAPW 9X20 YE	25	28195.6	PVC-VRT-R 92X118 GR	29			
28163.7	PVC-TAPW 9X29 WH	25	28195.7	PVC-VRT-R 92X118 WH	29			

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28225.7	PVC-VRT-A 92X118 WH	30	28317.0	KH-PVC 70/12	33			
28225.8	PVC-VRT-A 92X118 YE	30	28318.0	KH-PVC 70/15	33			
28226.6	PVC-VRT-A 105X110 GR	30	28319.0	KH-PVC 70/20	33			
28226.7	PVC-VRT-A 105X110 WH	30	28320.0	KH-PVC 70/30	33			
28226.8	PVC-VRT-A 105X110 YE	30	28321.0	KH-PVC 240/12	33			
28227.7	PVC-VRT-A 25X140 WH	30	28322.0	KH-PVC 240/15	33			
28228.7	PVC-VRT-A 40X138 WH	30	28323.0	KH-PVC 240/20	33			
28229.6	PVC-VRT-A 102X138 GR	30	28324.0	KH-PVC 240/30	33			
28229.7	PVC-VRT-A 102X138 WH	30	28325.4	STR.GSU-H 15X67 R	35			
28229.8	PVC-VRT-A 102X138 YE	30	28326.4	PS 15X430 K BK	37			
28230.6	PVC-TAA 17.5X27.8 K GR	27	28327.4	PS 15X1.000 K BK	37			
28232.7	PVC-VRT-AH 25X50 WH	32	28328.4	PS 15X650 K BK	37			
28232.8	PVC-VRT-AH 35X100 YE	32	28329.6	PS 9X1.000 K GR	37			
28233.7	PVC-VRT-AH 25X75 WH	32	28330.4	PS 9X1.000 K BK	37			
28234.7	PVC-VRT-AH 50X100 WH	32	28331.4	PS 9X1.000 BK	37			
28235.7	PVC-VRT-AH 25X100 WH	32	28332.7	PVCF-CPMF 10X105/10 WH	15			
28236.7	PVC-VRT-AH 25X80 WH	32	28333.7	PVC-CPMFA K 12X105 WH	15			
28237.7	PC-CPM-01 E 5X10/80 WH	13	28334.7	PVCF-CPMFA K 10X105 WH	15			
28238.7	PC-CPM-01 E 5X7/56 WH	13	28336.0	PVC-PLC 12.7X31 CY	28			
28239.7	PC-CPM-01 E 5X10/56 WH	13	28336.8	PVC-PLC 12.7X31 YE	28			
28240.7	PC-CPM-01 E 5X15/48 WH	13	28337.0	PVC-PLC 12.7X50 CY	28			
28241.7	PC-CPM-01 E 8X10/32 WH	13	28338.0	PVC-PLC 17.5X103.5 CY	28			
28245.7	PC-CPM-02 E 5X10/48 WH	13	28339.0	PVC-PLC 22.75X103.5 CY	28			
28247.7	PC-CPM-03 E 5X10/56 WH	13	28340.0	PVC-PLC 22.75X109 CY	28			
28249.7	PC-CPM-04 E 3X10/80 WH	13	28340.8	PVC-PLC 22.75X109 YE	28			
28250.7	PC-CPM-04 E 5X10/48 WH	13	28341.0	PVC-PLC 52X80 CY	28			
28251.7	PC-CPM-04 5X10/48 WH	13	28342.7	PC-SB 5X5/48 WH	12			
28252.7	PC-CPM-04 6X10/48 WH	13	28343.7	PC-SB 6X5/40 WH	12			
28253.7	PC-CPM-04 8X10/32 WH	13	28344.7	PC-BSTR 6X12/40 WH	12			
28256.7	PC-CPM-05 E 5X10/56 WH	13	28345.7	PC-BSTR 5X12/48 WH	12			
28257.7	PC-CPM-05 5X10/56 WH	13	28346.7	PC-BSTR 5X10/48 WH	12			
28258.7	PC-CPM-06 E 5X10/44 WH	14	28350.7	PC-SB 3.5X5/56 WH	12			
28259.7	PC-CPM-07 E 5X10/48 WH	14	28351.7	PC-CPM-03 Z 5X10/56 WH	13			
28260.7	PC-CPM-09 5X10/56 WH	14	28352.7	PC-BSTR 5x10/48 MI WH	12			
28261.7	PC-CPM-10 E 5X12/48 WH	14	28355.6	PVC-TAP 6.4x27.3 GR	22			
28262.7	PC-CPM-11 E 6X12/48 WH	14	28355.7	PVC-TAP 6.4x27.3 WH	22			
28264.7	PC-CPM-12 4.2X6/56 WH	14	28356.7	PVC-TAP 16.3x27.3 WH	22			
28265.7	PC-CPM-12 4.2X9/56 WH	14	28357.7	PC-SB 7.5X4/32 WH	12			
28266.7	PC-CPM-13 5X12/56 WH	14	28360.6	PVC-TAA 21X21 K GR	27			
28267.7	PC-CPM-13 E 6X12/48 WH	14	28360.7	PVC-TAA 21X21 K WH	27			
28268.7	PVC-CPMF 4.6X118/6 WH	15	28366.0	CCI-PC-SB 3.5X5	12			
28269.7	PVC-CPMF 5.2X105/20 WH	15	28368.7	POF-KMP 019 9x13 WH	20			
28270.7	PVC-CPMF 6.3X105X0.5/15 WH	15	28368.8	POF-KMP 019 9x13 YE	20			
28272.7	PVC-CPMF 7.6X105/12 WH	15	28369.7	POF-KMP 025 9x15 WH	20			
28273.7	PVC-CPMF 9.8X105/11 WH	15	28369.8	POF-KMP 025 9x15 YE	20			
28274.7	PVC-CPMF 10.5X105/10 WH	15	28370.7	POF-KMP 025 9x23 WH	20			
28275.7	PVCF-VYB 4X105/10 WH	15	28370.8	POF-KMP 025 9x23 YE	20			
28276.7	PVCF-VYB 5.2X105/10 WH	15	28371.7	POF-KMP 038 10x15 WH	20			
28277.7	PVCF-VYB 7X105/10 WH	15	28371.8	POF-KMP 038 10x15 YE	20			
28278.4	GSU-H 67X15 BK	35	28372.7	POF-KMP 038 10x23 WH	20			
28279.0	AD-PS 15X430	37	28372.8	POF-KMP 038 10x23 YE	20			
28280.0	AD-PS 15X1.000	37	28373.7	POF-KMP 050 15x12 WH	20			
28281.0	AD-PS 15X650	37	28374.7	POF-KMP 050 15x15 WH	20			
28282.0	STR-PS 15X1.000	37	28374.8	POF-KMP 050 15x15 YE	20			
28283.0	AD-PS 9X1.000	37	28375.7	POF-KMP 050 15x23 WH	20			
28284.0	STR-PS 9X1.000	37	28375.8	POF-KMP 050 15x23 YE	20			
28285.0	KH-PVC 0.5/12	33	28376.7	POF-KMP 062 18x12 WH	20			
28286.0	KH-PVC 0.5/15	33	28376.8	POF-KMP 062 18x12 YE	20			
28287.0	KH-PVC 0.5/20	33	28377.7	POF-KMP 068 22x40 WH	20			
28288.0	KH-PVC 0.5/30	33	28377.8	POF-KMP 068 22x40 YE	20			
28289.0	KH-PVC-HF 0.5/12	34	28378.7	POF-KMP 075 25x15 WH	20			
28290.0	KH-PVC-HF 0.5/15	34	28378.8	POF-KMP 075 25x15 YE	20			
28291.0	KH-PVC-HF 0.5/20	34	28379.7	POF-KMP 075 25x23 WH	20			
28292.0	KH-PVC 2.5/12	33	28379.8	POF-KMP 075 25x23 YE	20			
28293.0	KH-PVC 2.5/15	33	28380.7	POF-KMP 080 25x47 WH	20			
28294.0	KH-PVC 2.5/20	33	28380.8	POF-KMP 080 25x47 YE	20			
28295.0	KH-PVC 2.5/30	33	28381.7	POF-KMP 082 25x50 WH	20			
28296.0	KH-PVC-HF 2.5/12	34	28382.7	POF-KMP 092 20x80 WH	20			
28297.0	KH-PVC-HF 2.5/15	34	28382.8	POF-KMP 092 20x80 YE	20			
28298.0	KH-PVC-HF 2.5/20	34	28383.7	POF-KMP 100 25x15 WH	20			
28299.0	KH-PVC 4/12	33	28383.8	POF-KMP 100 25x15 YE	20			
28300.0	KH-PVC 4/15	33	28384.7	POF-KMP 100 25x23 WH	20			
28301.0	KH-PVC 4/20	33	28384.8	POF-KMP 100 25x23 YE	20			
28302.0	KH-PVC 4/30	33	28385.1	POF-KMP 135 50x50 GN	20			
28303.0	KH-PVC-HF 4/12	34	28385.7	POF-KMP 135 50x50 WH	20			
28304.0	KH-PVC-HF 4/15	34	28385.8	POF-KMP 135 50x50 YE	20			
28305.0	KH-PVC-HF 4/20	34						
28306.0	KH-PVC 10/12	33	88					
28307.0	KH-PVC 10/15	33	88517.0	GKE 17/9 A4 YE	57			
28308.0	KH-PVC 10/20	33	88517.7	GKE 17/9 A4 WH	57			
28309.0	KH-PVC 10/30	33	88607.0	GKE 45/10 WH	56			
28310.0	KH-PVC-HF 10/12	34						
28311.0	KH-PVC-HF 10/15	34						
28312.0	KH-PVC-HF 10/20	34						
28313.0	KH-PVC 25/12	33						
28314.0	KH-PVC 25/15	33						
28315.0	KH-PVC 25/20	33						
28316.0	KH-PVC 25/30	33						

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