Cabling ducts VK

Product Information

CONTACLIP

Contents

CONTA-CLIP:
thinking ahead for connection systems

CONTA-CLIP was founded in 1977.
We operate globally as an owner-operated
medium-sized company.

Users of electrical and electronic connection
systems rely on 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 various process and industrial
automation applications, including: railway
technology, materials handling, building auto-
mation, air conditioning, mechanical and facility
engineering, measurement and control techno-
logy, 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 view themselves as 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 as well as into modern, efficient
manufacturing processes.

A high quality standard throughout all
departments is our number one 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 terminal blocks and
accessories, CONTA-ELECTRONICS for electrical
and electronic control cabinet components,
CONTA-LABEL for marking systems, Cable
Management Systems, CONTA-BOX for housings
and CONTA-CON for PCB terminal blocks and
connectors.

We design customer-specific solutions for elec-
tronics, 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!
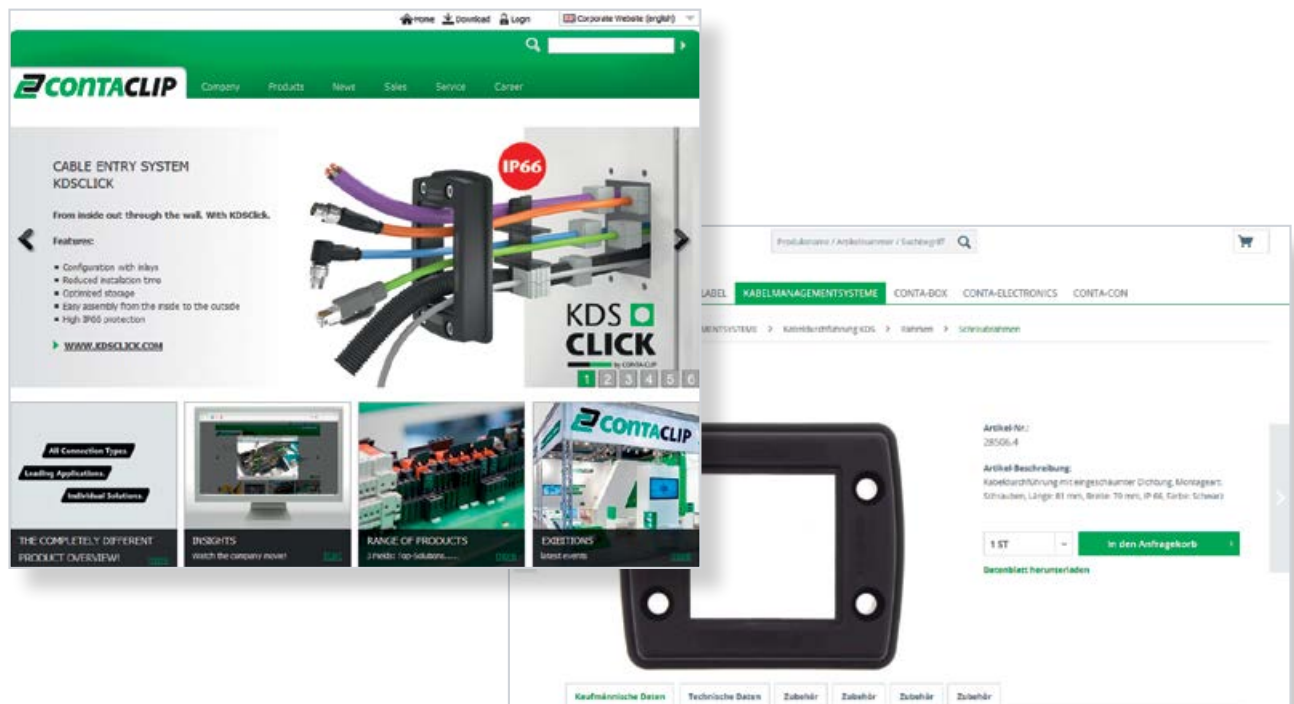
Globally available for you

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 Australia
Australia
New Zealand

Our locations in Europe
Austria
Belarus
Belgium
Bosnia and Herzegovina
Bulgaria
Croatia
Czech Republic
Denmark
Finland
France
Great Britain
Germany
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
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 series 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 terminals
Everything for classic wiring with screw connection systems (also for high currents): SRK feed-through and PE terminals, RK high-temperature variants, TK transformer terminals, HSK high-power stud terminals, SVB series screw distributor blocks, and the modular feed-through terminal systems from the SDK series.

Cat. no. 98071.2
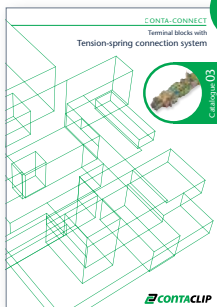
03 CONTA-CONNECT
Terminal blocks with tension-spring connection system
Our versatile line of terminals with tension spring connection systems for conductor cross-sections from 0.2 mm² to 16 mm² includes: the ZRK/ZSL series of feed-through and PE terminals, the double-level ZRKD/ZSLD, the ZIKD three-level 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
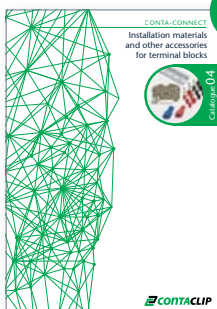
04 CONTA-CONNECT
Installation materials and other accessories for terminal blocks
Our installation products include cabling ducts, assembly tools, cable glands with metric or PG threads, DIN rails, DIN rail cutters and punching tools. The terminal block accessories include different versions of end stops, wire-end ferrules, and connectors.

**Cat. no. 98073.2**
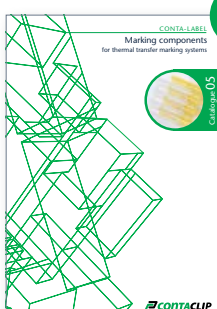
05 CONTA-LABEL
Marking components for thermal transfer marking systems
CONTA-CLIP provides the TTPCard thermal-transfer printer and a large selection of PC, PVC and PVCF markers or labels in card format: for professional, permanent labelling of terminals, devices, conductors, cables, facilities and switchgear cabinets.
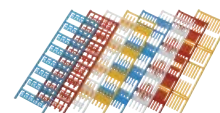
Cat. no. 98074.2

**Our catalogues are available in many languages!**
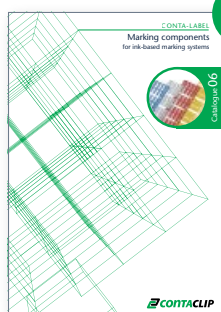
06 CONTA-LABEL
Marking components for ink-based marking systems
The CONTA-LABEL products provide polyamide markers for labelling conductors, cables, devices and facilities with ink print. These markers are available in many shapes and colours: in the classic MC Maxicard format for self-printing with 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
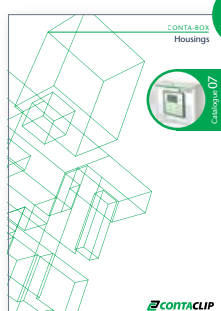
07 CONTA-BOX
Housings
Our wide variety of housings made of polystyrene, polycarbonate, polyester, ABS and aluminium deliver solutions for protecting electronic circuits, integrated devices and terminal blocks. On request, the housings can be provided with extensive processing and assembled with our CONTA-CONNECT, CONTA-ELECTRONICS and CONTA-CON product lines.

Cat. no. 98076.2
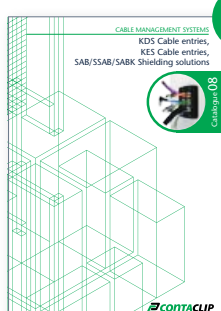
08 CABLE MANAGEMENT SYSTEMS
KDS cable entries , KES cable entries, SAB|SSAB|SABK shielding solutions
The KDS and KES cable entries enable a tool-free, IP66-sealed feed-through for unassembled and assembled cables and hoses. The feed-through openings can be adapted at any time to meet your requirements. The SAB shied-connection clips can be used to provide a reliable shield contact with conductor diameters from 3 mm to 35 mm.

Cat. no. 98077.2
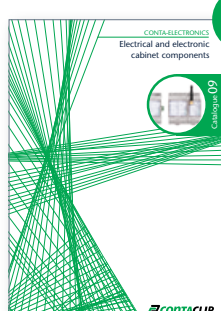
09 CONTA-ELECTRONICS
Electrical and electronic cabinet components
Our CONTA-ELECTRONICS products provide active and passive components for the transfer and conversion of analogue and digital signals at the coupling level. This product line includes power supplies, multi-function timing relays, coupling relays, digital switching modules, interface modules, opto-couplers, signal converters, GSM communication modules and much more.

Cat. no. 98078.2
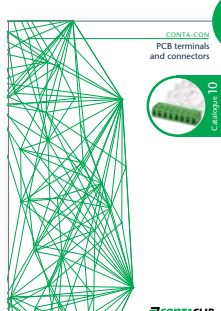
10 CONTA-CON
PCB terminals and connectors
This catalogue presents our wide variety of CONTA-CON PCB terminal blocks and connector systems. The modular components can be configured for any required number of poles; They are available in the wire connection types: wire protection, eccentric, clamping yoke, and (for demanding operating conditions) with tension-spring or Push-in wire termination.

Cat. no. 98079.2

Cabling ducts VK

As part of our installation materials portfolio, **CONTA-CLIP** delivers a wide range of cabling ducts suitable for many different applications. These ducts have excellent dimensional stability. They also feature tight fitting covers which are easy to snap on and off. The pegs have pre-determined breakage points so that the cabling ducts can easily be modified for your cabling. They are available in various sizes and in a halogen-free version.

Material: Rigid lead-free PVC, flame retardant, in accordance with UL 94 V-0, self-extinguishing, thermally stable
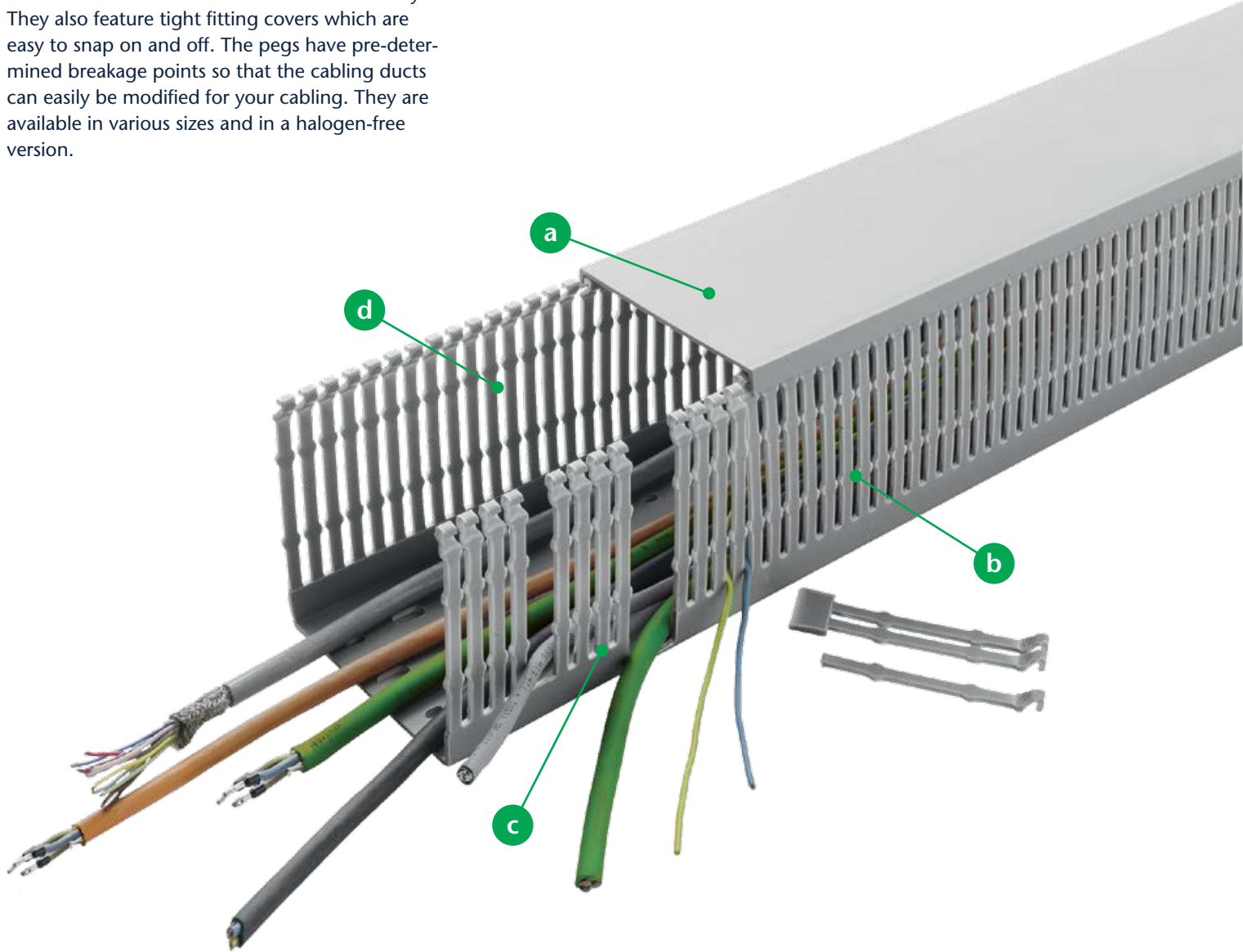
a Optimally fitted cover

b Wire retaining lugs

c Pre-determined breakage points on the pegs

d Stamped out with no burrs

Features

- Optimally fitted cover is easy to put on and take off
- Pre-determined breakage points on the pegs
- Holes in the base in accordance with DIN EN 50085-2-3; the punched layout is identical for each length
- Stamped out with no burrs: so the installer cannot be injured and the cable cannot be damaged
- Delivery length: 2 m, including cover
- Customized lengths: on request
- 90° cover contour
- Colour: grey (RAL 7030)

Cabling ducts VK

- Material: Rigid lead-free PVC, flame retardant, in accordance with UL 94 V-0, self-extinguishing
- Temperature resistance: –15 °C to +60 °C

VK

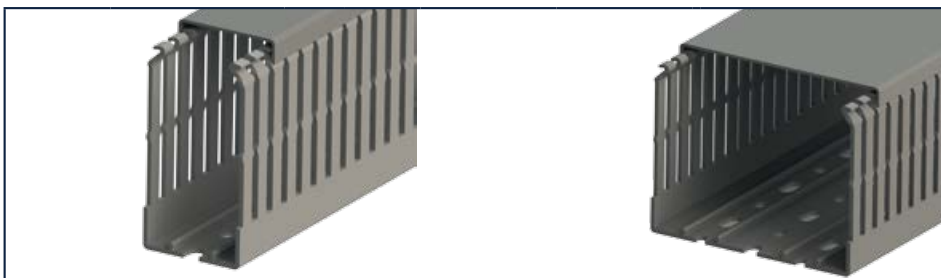| Type	VK
Colour variants	● RAL 7030
Characteristics	
Length	2 meters
incl. cover	2 meters
Base holes	DIN EN 50085-2-3
Material	
Material	Rigid lead-free PVC, flame retardant, self-extinguishing, thermally stable
Flamm. class acc. to UL 94	V-0
Temperature range	–15 °C to +60 °C
RoHS	compliant

Cat. no.	Type	Qty. (m)	Length (m)	Nominal dimension W x H (mm)	Inner dimension W x H (mm)	Dimensions A (mm)	B (mm)	C (mm)
17800.6	VK 25 x 30 GR	100	2	25 x 30	22 x 27	25	30	11.4
17801.6	VK 25 x 40 GR	100	2	25 x 40	22 x 37	25	40	12.4
17802.6	VK 40 x 40 GR	52	2	40 x 40	37 x 37	40	40	12.4
17803.6	VK 60 x 40 GR	36	2	60 x 40	56 x 37	60	40	12.6
17804.6	VK 25 x 60 GR	60	2	25 x 60	21 x 56	25	60	13.6
17805.6	VK 40 x 60 GR	36	2	40 x 60	36 x 56	40	60	13.6
17806.6	VK 60 x 60 GR	24	2	60 x 60	56 x 56	60	60	13.8
17807.6	VK 80 x 60 GR	28	2	80 x 60	76 x 56	80	60	13.8
17808.6	VK 100 x 60 GR	20	2	100 x 60	96 x 56	100	60	16.0
17809.6	VK 120 x 60 GR	16	2	120 x 60	115 x 56	120	60	16.3
17810.6	VK 25 x 80 GR	56	2	25 x 80	21 x 76	25	80	15.8
17811.6	VK 40 x 80 GR	40	2	40 x 80	36 x 76	40	80	15.8
17812.6	VK 60 x 80 GR	24	2	60 x 80	56 x 76	60	80	15.8
17813.6	VK 80 x 80 GR	20	2	80 x 80	76 x 76	80	80	15.8
17814.6	VK 100 x 80 GR	16	2	100 x 80	96 x 76	100	80	16.0
17815.6	VK 120 x 80 GR	12	2	120 x 80	115 x 76	120	80	16.3
17816.6	VK 25 x 100 GR	44	2	25 x 100	22 x 96	25	100	17.9
17817.6	VK 40 x 100 GR	28	2	40 x 100	36 x 96	40	100	17.9
17818.6	VK 60 x 100 GR	36	2	60 x 100	56 x 96	60	100	18.0
17819.6	VK 80 x 100 GR	24	2	80 x 100	76 x 96	80	100	18.2
17820.6	VK 100 x 100 GR	24	2	100 x 100	96 x 96	100	100	18.2
17821.6	VK 150 x 100 GR	16	2	150 x 100	145 x 96	150	100	18.5

Cover Cat. no.	Type	Qty. (m)	Length (m)	Nominal dimension Width, mm	Inner dimension Width, mm
17830.6	VK-D 25 GR	20	2	25	22
17832.6	VK-D 40 GR	20	2	40	36
17833.6	VK-D 60 GR	20	2	60	56
17834.6	VK-D 80 GR	20	2	80	76
17835.6	VK-D 100 GR	20	2	100	96
17836.6	VK-D 120 GR	20	2	120	115
17837.6	VK-D 150 GR	20	2	150	154

Dimensional drawings

D	E	F
4 mm	6 mm	2.1 mm
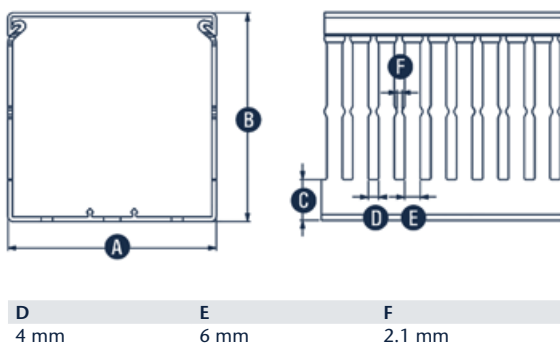
Base holes EN 50085-2-3

Width **25* / 40 / 60 mm** **80 mm**

Width **100 / 120 mm** **150 mm**
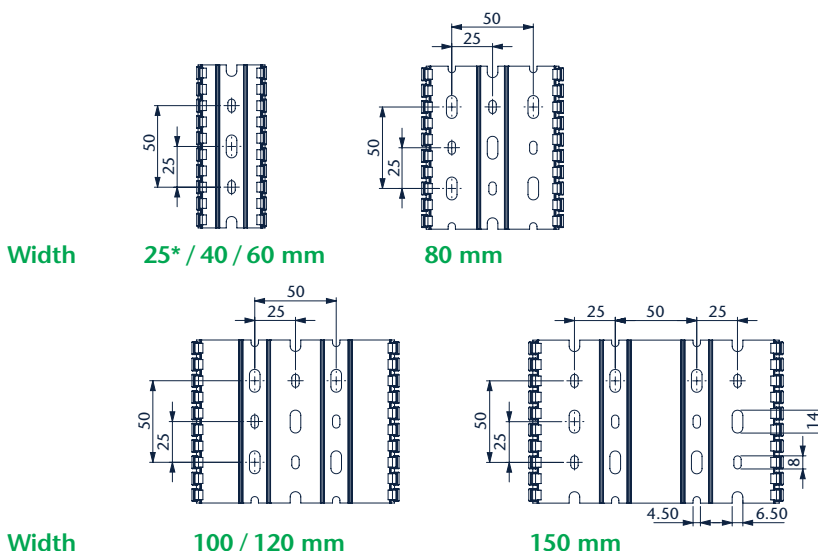
* Width 25 contains no mounting rails for the accessories

Halogen-free cabling ducts VK-HF

Halogen-free cabling ducts are often installed in sensitive areas and public buildings such as in airports, railway stations, office buildings, high-rise buildings and hospitals. The halogen-free plastic used by **CONTA CLIP** is compliant with VDE 0472 part 815 and generates no toxic gases when burned. Thus, it meets the special requirements for these applications.
The pegs and the duct base have pre-determined breakage points so that the cabling ducts can easily be modified for your cabling.

Material: Halogen-free plastic in accordance with VDE 0472, part 815 No toxic gases in event of fire Fulfils the requirements in F2 and I3 of the NF F 16-101 Railway Standards.
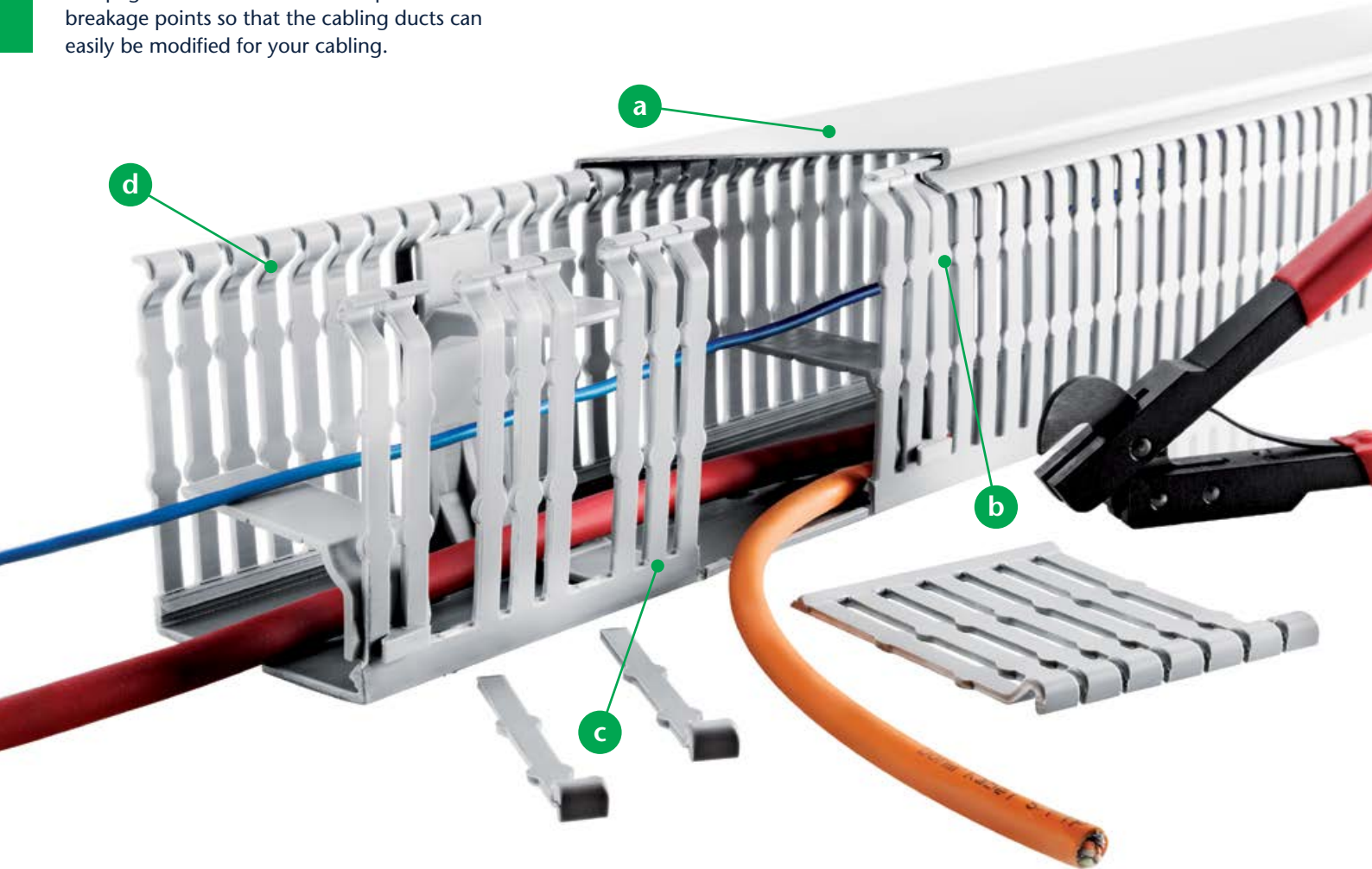
a	Optimally fitted cover	**b**	Wire retaining lugs	**c**	The pegs and the duct base have pre-determined breakage points	**d** Stamped out with no burrs

Features

- Optimally fitted cover is easy to put on and take off
- The pegs and the duct base have pre-determined breakage points
- Partitioning pegs can also be used
- Holes in the base in accordance with DIN EN 50085-2-3; the punched layout is identical for each length

- Stamped out with no burrs: so the installer cannot be injured and the cable cannot be damaged
- Delivery length: 2 m, including cover
- Customized lengths: on request
- 90° cover contour
- Wire retaining lugs, starting with 60 mm height
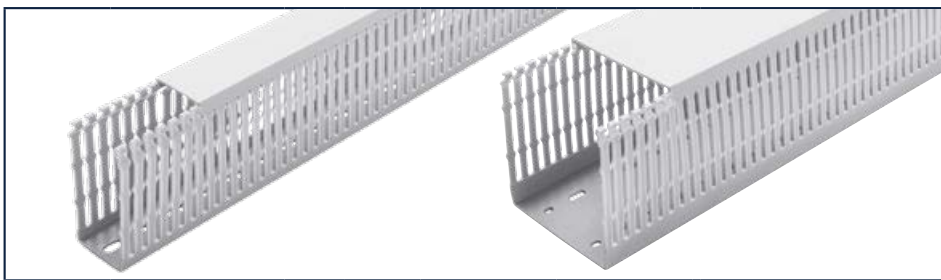- Colour: grey (RAL 7035)

Cabling ducts VK-HF

- Material: Halogen-free plastic in accordance with VDE 0472, part 815
- No toxic gases in event of fire
- Temperature resistance: −25 °C to +70 °C

Special features:
- 90° cover contour
- Wire retaining lugs, starting with 60 mm height
- Colour: grey (RAL 7035)

VK-HF

Type	VK
Colour variants	⬤ RAL 7035
Characteristics	
Length	2 meters
incl. cover	2 meters
Base holes	DIN EN 50085-2-3
Material	
Material	Halogen-free plastic in accordance with VDE 0472, part 815
Temperature range	−25 °C to +70 °C
RoHS	compliant
WEEE	compliant
Standards	
Railway Standards NF F 16-101	Meets the requirements F2 and I3

		Qty.	Length	Nominal dimension	Inner dimension	Number of cables at 50% filled capacity		
						0.75 mm²	1.0 mm²	1.5 mm²
Cat. no.	Type	(m)	(m)	W x H (mm)	W x H (mm)	Ø 2.8	Ø 2.9	Ø 3.2
17840.6	VK-HF 25 x 30 LG	64	2	30 x 30	27 x 27	44	41	34
17841.6	VK-HF 25 x 40 LG	68	2	25 x 40	27 x 27	53	50	41
17843.6	VK-HF 60 x 40 LG	40	2	60 x 40	56 x 37	164	152	125
17844.6	VK-HF 25 x 60 LG	60	2	25 x 60	22 x 56	79	76	61
17845.6	VK-HF 40 x 60 LG	48	2	40 x 60	36 x 56	162	151	124
17846.6	VK-HF 60 x 60 LG	36	2	60 x 60	56 x 56	245	229	188
17847.6	VK-HF 80 x 60 LG	40	2	80 x 60	76 x 56	333	310	255
17850.6	VK-HF 25 x 80 LG	56	2	25 x 80	22 x 76	109	101	83
17851.6	VK-HF 40 x 80 LG	40	2	40 x 80	36 x 76	231	216	177
17852.6	VK-HF 60 x 80 LG	36	2	60 x 80	56 x 76	350	326	268
17853.6	VK-HF 80 x 80 LG	24	2	80 x 80	76 x 76	475	443	364
17854.6	VK-HF 100 x 80 LG	24	2	100 x 80	96 x 76	595	554	455
17857.6	VK-HF 40 x 100 LG	24	2	40 x 100	36 x 96	263	247	202
17858.6	VK-HF 60 x 100 LG	32	2	60 x 100	56 x 96	432	406	331
17860.6	VK-HF 100 x 100 LG	16	2	100 x 100	96 x 100	734	684	562

Cover		Qty.	Length	Nominal dimension	Inner dimension
Cat. no.	Type	(m)	(m)	Width, mm	Width, mm
17870.6	VK-HF-D 25 GR	10	2	25	22
17871.6	VK-HF-D 30 GR	10	2	30	27
17872.6	VK-HF-D 40 GR	10	2	40	36
17873.6	VK-HF-D 60 GR	10	2	60	56
17874.6	VK-HF-D 80 GR	10	2	80	76
17875.6	VK-HF-D 100 GR	10	2	100	96

Dimensional drawings

Height / side profile

Base holes DIN EN 50085-2-3
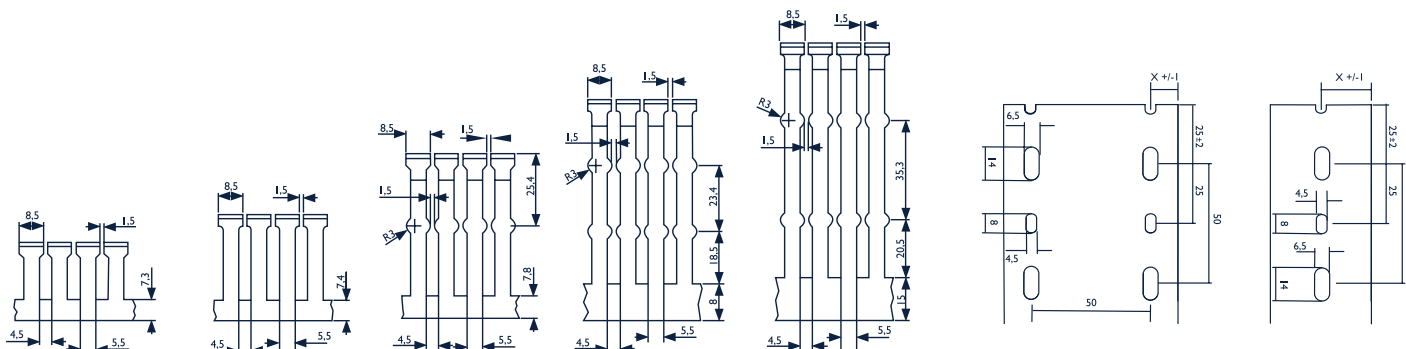
25 mm / 30 mm   **40 mm**   **60 mm**   **80 mm**   **100 mm**   **from 80 mm**   **up to 60 mm**

Cabling duct accessories

Flexible halogen-free cabling ducts

VK-FLEX-HF

Material: PP, halogen-free, flame retardant, in accordance with UL 94 V-0
Temperature range: –20 °C to +70 °C, self-adhesive

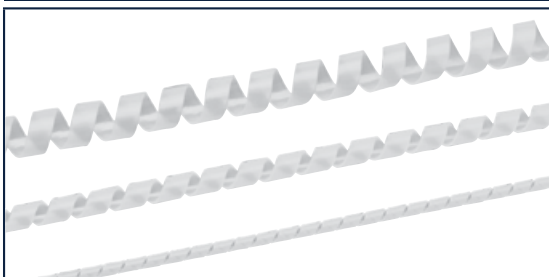| Cat. no.	Type	Qty. (m)	Length (m)	Diameter (mm)
17880.6	VK-FLEX-HF 10 x 10 GR	100	0.5	10 x 10
17881.6	VK-FLEX-HF 10 x 20 GR	60	0.5	20
17882.6	VK-FLEX-HF 10 x 30 GR	36	0.5	30
17883.6	VK-FLEX-HF 10 x 40 GR	24	0.5	40

Spiral tubing

VK-SS

Material: PE, RoHS-compliant
Temperature range: –50 °C to +85 °C

Cat. no.	Type	Qty. (m)	Length (m)	Diameter (mm)	Bundling (mm)
17885.0	VK-SS 4 transparent	30	30	4	5 – 20
17886.0	VK-SS 9 transparent	30	30	9	10 – 100
17887.0	VK-SS 16 transparent	30	30	16	20 – 150

Wire holder

VK-DH

Material: PS, RoHS-compliant
Temperature range: –20 °C to +60 °C

Cat. no.	Type	Qty.	Accessories for
17890.6	VK-DH GR	400	VK-HF
17955.4	VK-DH2 BK	10	VK
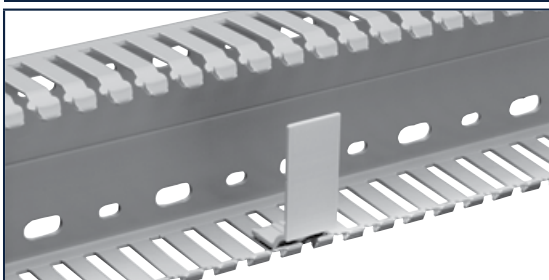
Wire holder

VK-DHG

Material: PC, RoHS-compliant
Temperature range: –20 °C to +60 °C

Cat. no.	Type	Qty.	Accessories for	Dimension W x H (mm)
17951.4	VK-DHG-40 BK	10	VK	34 x 35
17952.4	VK-DHG-60 BK	10	VK	34 x 53
17953.4	VK-DHG-80 BK	10	VK	53 x 75

Wire holder

VK-DH

Material: PA, RoHS-compliant
Temperature range: –20 °C to +60 °C

Cat. no.	Type	Qty.	Accessories for
17954.4	VK-DHKB BK	10	VK

Wire and partitioning peg holder

Material: PS, RoHS-compliant
Temperature range: –20 °C to +60 °C

VK-DTH

Cat. no.	Type	Qty. (items)	Accessories for
17892.6	VK-DTH GR	50	VK-HF

Retaining tab

Material: PS, RoHS-compliant
Temperature range: –20 °C to +60 °C

VK-HZ

Cat. no.	Type	Qty. (items)	Accessories for
17891.6	VK-HZ GR	100	VK, VK-HF

Rivets

Material: PA, RoHS-compliant
Temperature range: –40 °C to +90 °C

SN-PA

Cat. no.	Type	Qty.	Ø (mm)	Hole Ø required (mm)
17896.4	SN-PA 3.5 BK	4000	3.5	3.5
17897.4	SN-PA 5 BK	4000	5	5.2
17898.4	SN-PA 6 BK	4000	6	6.2
17899.6	SN-PA 6.5 GR	2000	6.5	6.5

Tools for cabling ducts

Wiring channel cutter

The VK-S cabling duct cutter is a tool for manually cutting cabling ducts of up to 125 mm in width. The tool can be attached to a work bench or mounted at a workstation.

Features:
• 90° precise-angle cutting
• Quick, quiet and burr-free cutting
• Minimal force needed for the cut
• Maintenance-free

VK-S

Weight, kg	9.1	
Type	**VK-S**	
Cat. no. Qty.	3897.2	1
Technical data		
Lever length, mm	500	
Length limit	1000 mm, metric and inch	
Wall thickness, mm	2.5	
Channel width, mm	125	
Accessories / replacement tools		
Replacement blade	**VK-S / EM**	
Cat. no. Qty.	3899.0	1

Notching pliers

When working with cabling ducts, the VK-AKZ notching pliers help you to easily modify the duct walls and break out sections down to the duct base. The tool's ergonomic grip helps you to avoid fatigue.

VK-AKZ

| Cat. no.	Type	Qty. (items)	Length (mm)	Weight (g)
17894.0	VK-AKZ	1	245	258

Setting tool

Expanding rivets can be processed safely and quickly using the SN-SW setting tool. It features a metal core which ensures stability and a long lifespan. The long shaft allows you to set rivets in deep channels or in other inaccessible positions. The tool's ergonomic shape helps you to avoid fatigue.

SN-SW

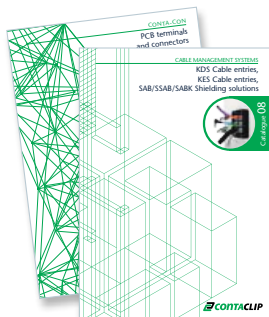| Cat. no.	Type	Qty. (items)	Length (mm)	Weight (g)
17895.0	SN-SW	1	225	153

Notes
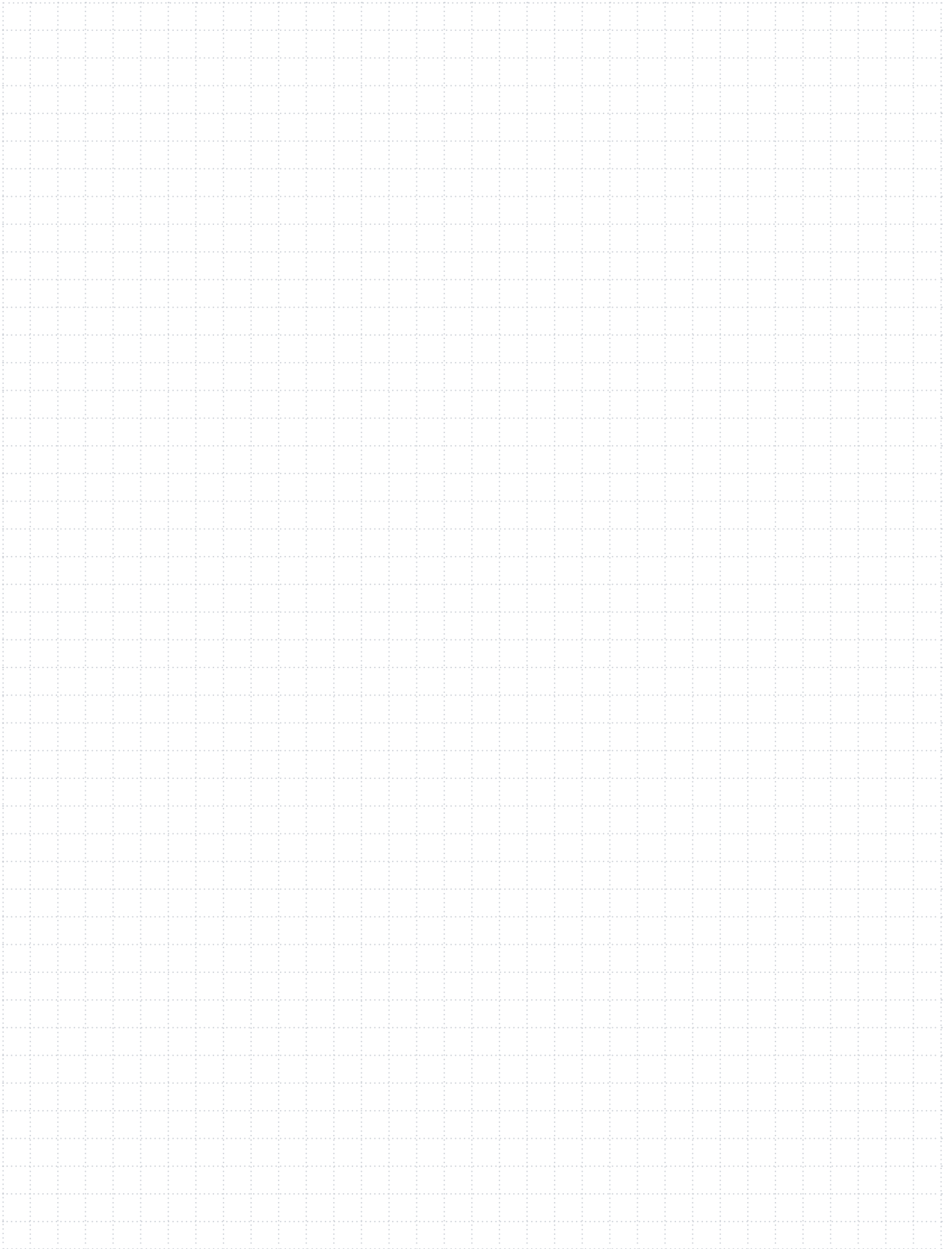
CONTACLIP

Otto-Hahn-Str. 7
D-33161 Hövelhof,
Germany

Phone +49 (0) 5257 9833-0
Fax   +49 (0) 5257 9833-33

info@conta-clip.com
www.conta-clip.com

Our products for your challenges:

01 CONTA-CONNECT
**Terminal blocks
with Push-In connection system**
Cat. no. 98070.2

02 CONTA-CONNECT
**Terminal blocks with screw connection
system and special terminals**
Cat. no. 98071.2

03 CONTA-CONNECT
**Terminal blocks with tension-spring
connection system**
Cat. no. 98072.2

04 CONTA-CONNECT
**Installation materials and other accessories
for terminal blocks**
Cat. no. 98073.2

05 CONTA-LABEL
**Marking components
for thermal-transfer marking systems**
Cat. no. 98074.2

06 CONTA-LABEL
**Marking components
for ink-based marking systems**
Cat. no. 98075.2

07 CONTA-BOX
Housings
Cat. no. 98076.2

08 Cable management systems
**KDS cable entries,
KES cable entries,
SAB/SSAB/SABK shielding solutions**
Cat. no. 98077.2

09 CONTA-ELECTRONICS
Electrical and electronic cabinet components
Cat. no. 98078.2

10 CONTA-CON
PCB terminals and connectors
Cat. no. 98079.2