



General catalogue

2017

SOLUTIONS WITHIN THE AUTOMATION TECHNOLOGY SECTOR

„Automation means for us far more than just technology. We want to achieve something with you and in order to do this, we are willing to move mountains for you.“

Product lines and contents

EMC-SOLUTIONS

- 05 System specifications
- 06 Attenuation of conductance
- 08 Shield clamp HSK
- 09 Shield clamp Multi HSKM
- 10 Shield clamp Big for large diameters HSKB
- 11 HEBOCLIP with clip foot HHZ-2, HH-2
- 12 Shield clamp on clip foot SKH
- 13 Shield clamp on clip foot, with strain relief SKHZ
- 14 HEBOCLIP for busbar HSZ, HS
- 15 HEBOCLIP Uno for busbar HSEZ, HSE
- 16 HEBOCLIP Duo for busbar HSDZ, HSD
- 17 HEBOCLIP for direct assembly HDZ, HD
- 18 Shield clamp for direct assembly SKD
- 19 Shield clamp for direct assembly, with strain relief SKDZ
- 20 HEBOCLIP clamp assembly with strain relief HRDZ
- 21 HEBOCLIP for perforated plate HLZ
- 22 Shield clamp for perforated plate with strain relief SKLZ
- 23 HEBOSET set of assorted fittings
- 24 Customised shield connection
- 26 Earthing tapes
- 28 Customised earthing tapes
- 29 Shielding braid
- 30 HEBOPRESS Cable lugs
- 31 HEBOPRESS tools
- 32 Patch panel for network cabinets, EMC-conform
- 33 Busbar support for 35 mm DIN rail
- 34 Modular mounting rail system
- 35 Cable clamp for heavy-duty plug connectors
- 36 Support for 35 mm DIN rail and busbar

FASTENING SYSTEMS

- 38 Hook-and-loop tape
- 39 Hook-and-loop cable binder
- 40 HEBOFIX base for hook-and-loop tape KBS
- 41 HEBOFIX base Big for hook-and-loop tape KBS
- 42 HEBOFIX base for aluminium profile
- 45 HEBOFIX base for C-rail
- 46 Maintenance box
- 47 Mounting accessories for HEBOFIX base
- 48 Hook-and-loop fastener
- 49 Clip foot for 35 mm DIN rail
- 50 Mounting adapter for C-rail

PRODUCT LINE

EMC-solutions

In engine, plant and switch board construction, control and performance components are increasingly complex. As a result, a well thought-out EMC-concept gains in importance. HEBOTEC products for earthing cable shields meet the requirements of low bleeder resistance at high frequencies.

HEBOTEC products are characterised by exceptionally easy handling. Furthermore, we supply customised system solutions.

System specifications

EXTENSIVE SHIELD CONTACT



ADVANTAGES

- > resilience ensures constant contact with the cable shield
- > high conductance due to surface coating
- > extensive cable shield contact allows low-voltage discharging resistance even at high frequencies

HEBOCLIP-SYSTEM – TOOL-FREE ASSEMBLY

The HEBOCLIP brackets for mounting directly, on 35mm DIN rails or on busbars can be assembled with the suitable shield clamps without using tools. The shield clamps are available in different sizes with a clamping range of 1.5 to 18mm. A small slot screwdriver suffices to dismantle the shield clamp.

ASSEMBLY OF THE SHIELD CLAMP WITH THE HEBOCLIP



- 1 Place shield clamp in position
- 2 Clip in
- 3 Dismantling

HOW TO MOUNT A HEBOCLIP ONTO A 10 X 3 MM BUSBAR



- 1 Snap on the HEBOCLIP
- 2 Clip the chosen shield clamp into place
- 3 Press the cable shield into the HEBOCLIP
- 4 Reduce strain using cable binders

ADVANTAGES

- > for universal use with 35mm DIN rails, busbars or for direct mounting
- > tool-free assembly
- > shield clamps are available in various sizes
- > especially flexible
- > cost-saving through reduction of stock parts

Attenuation of conductance HEBOCLIP-System

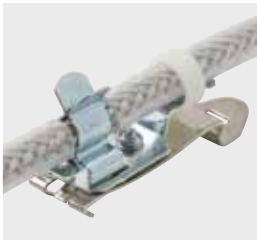
ATTENUATION OF CONDUCTANCE

The attenuation of conductance indicates by how many dB the existing interferences on the cable shield are attenuated by the shield contact.

A value of 20 dB results in an interference reduction of 90%, a value of 40 dB in a reduction of even 99%. The HEBOCLIP-system offers excellent attenuation of conductance for all assembly modes.

HHZ-2 EQUIPPED WITH HSK 6-8

The HEBOCLIP for tool-free assembly on 35 mm DIN rails.



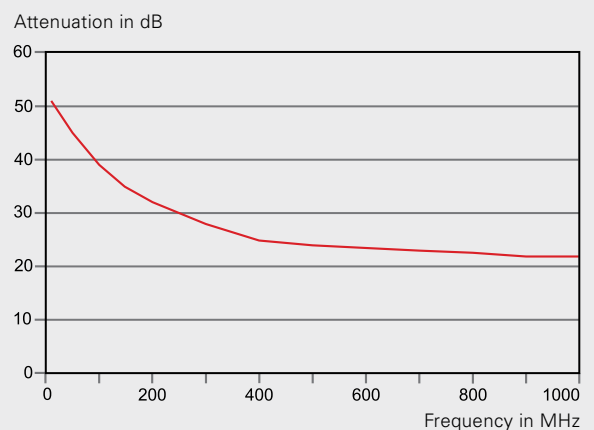
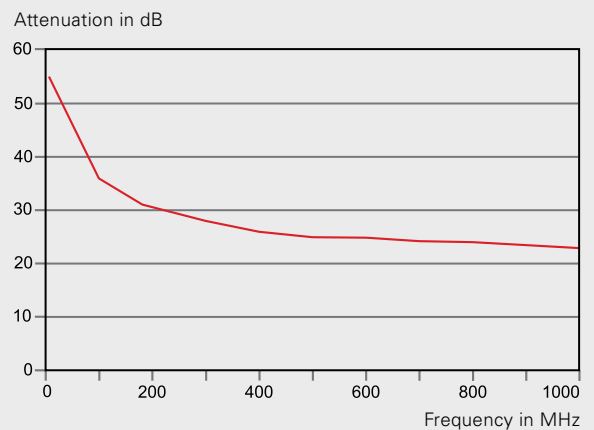
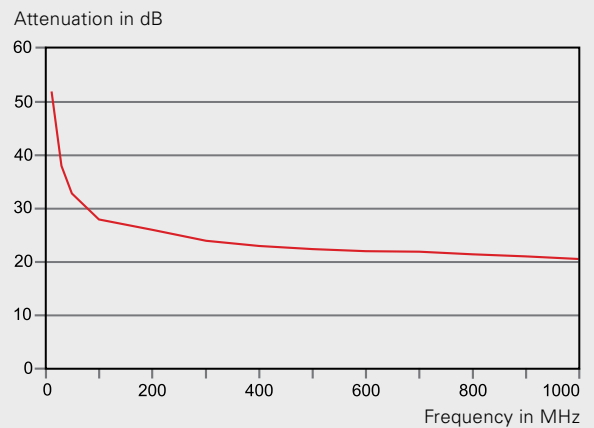
HDZ EQUIPPED WITH HSK 6-8

The HEBOCLIP for direct assembly.



HSZ EQUIPPED WITH HSK 6-8

The HEBOCLIP for tool-free assembly on 10 x 3 mm busbars.



HSDZ EQUIPPED WITH HSK 6-8

The HEBOCLIP Duo for tool-free assembly on 10 x 3 mm busbars.

**HSKB 16 - 35 DIRECT ASSEMBLY**

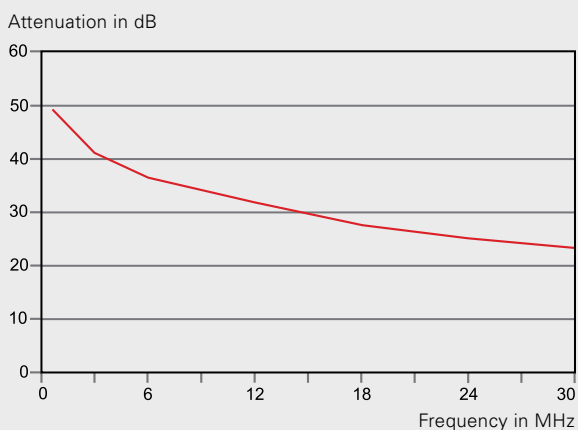
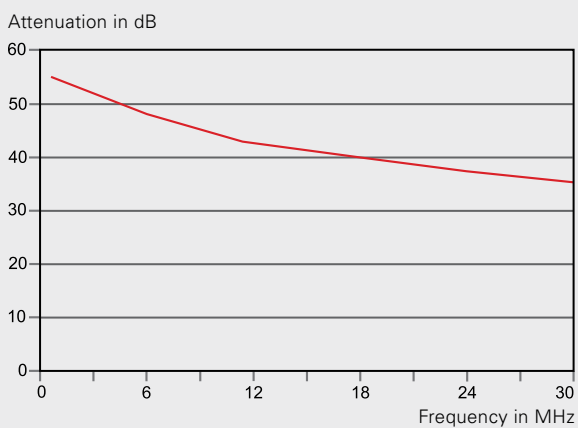
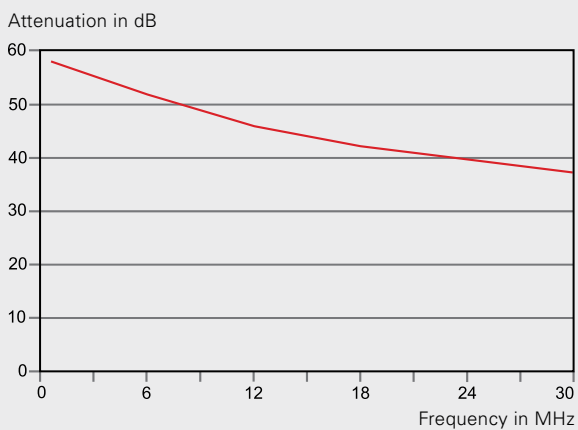
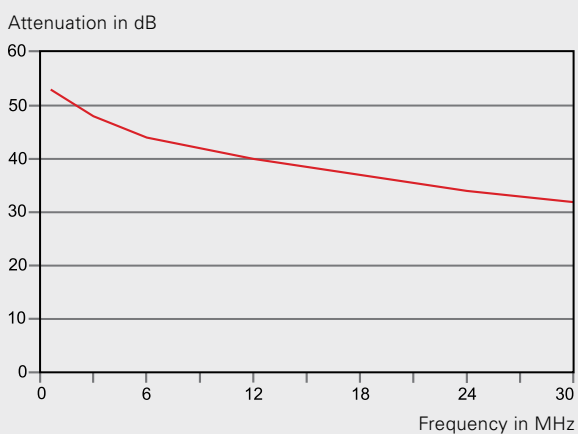
The shield clamp for large diameters, directly mounted onto the mounting rail.

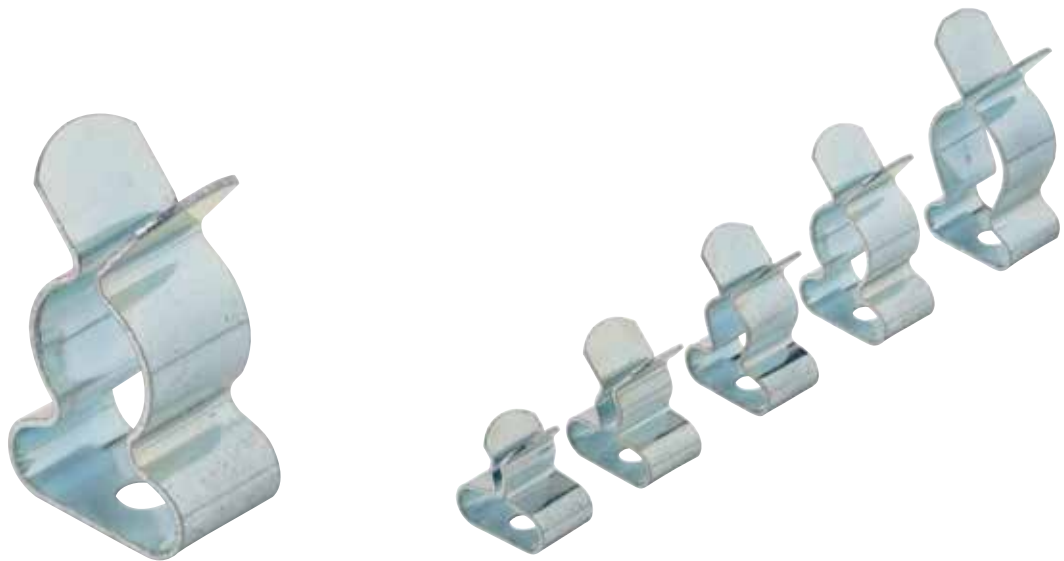
**HSKB-S 16 - 35 ON CLIP-FOOT**

The shield clamp for large diameters, mounted on clip-foot for tool-free assembly on 35 mm DIN rails.

**HSKB-F 35 - 65 WITH FLAT TAPE CONNECTOR**

The shield clamp for large diameters, for assembly with flexible flat tape connector.





Shield clamp

PRODUCT DESCRIPTION

By simply pushing the stripped wire in the shield clamp, there is a permanently high and continuous spring pressure of the cable shield.

The contact areas are large, assuring a very good derivation of interference currents.

The HSK shield clamps can be used with the various HEBOCLIPS for assembling 35 mm DIN rail, busbars or direct mounting. The installation of the appropriate shield clamp for the particular cable diameter can be done by tool-free clipping.

ADVANTAGES

- > permanently high and continuous spring pressure on the cable shield
- > high conductivity

- > very good derivation of high-frequency interferences
- > the five sizes from 1.5 to 16 mm shield range can be snapped onto the HEBOCLIP without tools

TECHNICAL DATA

Material: galvanised spring steel

ACCESSORIES

- > HEBOCLIP for 35 mm DIN rails
- > HEBOCLIP for direct assembly
- > HEBOCLIP for busbars
- > HEBOCLIP clamp assembly
- > HEBOSET set of assorted fittings

SHIELD CLAMP			
ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSK 1,5-3	1010-001	1.5-3 mm	25
HSK 3-6	1010-002	3-6 mm	25
HSK 6-8	1010-003	6-8 mm	25
HSK 8-11	1010-004	8-11 mm	25
HSK 11-16	1010-005	11-16 mm	25



Shield clamp Multi

PRODUCT DESCRIPTION

The shield clamp Multi differs from the common shield clamp by the special form of both clamp clips. Due to the resilience of the brackets, a very large clamping range is achieved.

By simply pushing the stripped cable into the shield clamp, the constant spring pressure achieves a good contact surface.

Thereby, because of the extensive contact, a greater reliable conductance of interfering currents is made possible.

The shield clamp Multi can be used with the various HEBOCLIPs for assembly with 35 mm DIN rails, busbars or for direct mounting. The assembly of the suitable shield clamp for a particular cable diameter can be effected by tool-free mounting.

ADVANTAGES

- > fewer stock items due to the large clamping range
- > permanently high and continuous spring pressure on the cable shield
- > high conductance
- > excellent derivation of high-frequency interferences
- > the two sizes can be installed onto the HEBOCLIP without tools

TECHNICAL DATA

Material: galvanised spring steel

ACCESSORIES

- > HEBOCLIP for 35 mm DIN rails
- > HEBOCLIP for direct assembly
- > HEBOCLIP for busbars
- > HEBOCLIP clamp assembly

SHIELD CLAMP MULTI

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSKM 3-12	1011-001	3-12 mm	25
HSKM 7-18	1011-002	7-18 mm	25



Shield clamp BIG for large diameters

PRODUCT DESCRIPTION

The shield clamp Big for large diameters features a wide clamping range, thus allows an excellent contact of cable shields with large diameters.

The stripped cable has to be pressed into the shield clamp. The spring pressure of the clamp offers constant contact with the cable shield.

The shield clamp is available for direct assembly with an M4 screw, with clip foot for assembly onto a 35 mm DIN rail and with a flexible flat tape connector with a length of 50 mm. The accessory component mounting adapter allows the assembly onto C-rails.

ADVANTAGES

- > wide clamping range
- > constant contact with cable shield due to spring pressure
- > high conductance
- > flexible earth connection

TECHNICAL DATA

Material: galvanised spring steel, nickle-plated spring steel, tin-plated copper

ACCESSORIES

- > mounting adapter for C-rails, page 49

SHIELD CLAMP FOR DIRECT ASSEMBLY

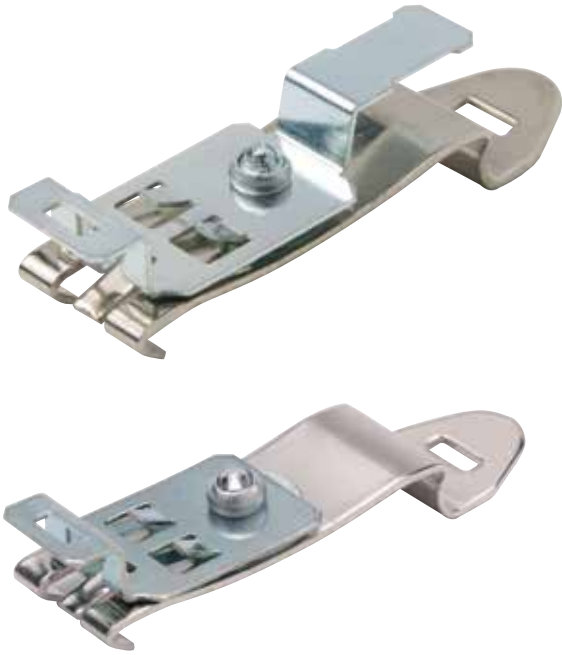
ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSKB 16-35	1012-001	16-35 mm	5
HSKB 35-65	1012-002	35-65 mm	5

SHIELD CLAMP WITH CLIP FOOT

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSKB-S 16-35	1012-011	16-35 mm	5
HSKB-S 35-65	1012-012	35-65 mm	5

SHIELD CLAMP WITH FLAT TAPE CONNECTOR 50 MM

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSKB-F 16-35	1012-021	16-35 mm	5
HSKB-F 35-65	1012-022	35-65 mm	5



HEBOCLIP with clip foot

PRODUCT DESCRIPTION

The HEBOCLIP for 35 mm DIN rails serves as a universal carrier for shield clamps with a clamp diameter of 1.5 to 18 mm.

Simply snap the clip foot onto the rail, snap the chosen shield clamp into place and push the cable shield into the shield clamp. The alternative, using a strain relief bracket, offers the possibility of assembling with the help of a cable binder.

ADVANTAGES

- > tool-free assembly on 35 mm DIN rails
- > universal bracket for shield clamps with a clamping range of 1.5 to 18 mm

- > fewer stock items needed
- > strain relief with cable binder with HHZ-2

TECHNICAL DATA

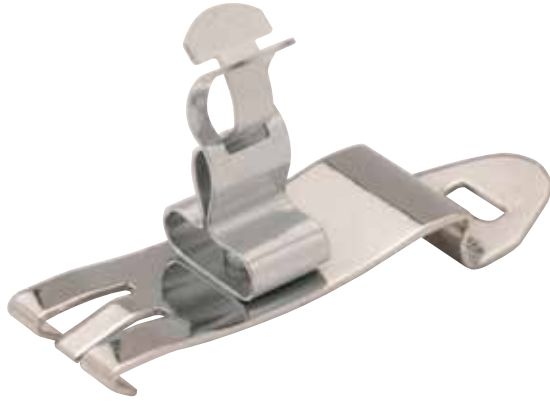
Material: galvanised spring steel, nickle-plated spring steel

ACCESSORIES

- > Shield clamp
- > Shield clamp Multi

HEBOCLIP WITH CLIP FOOT

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
HHZ-2	1020-020	with strain relief	10
HH-2	1020-021	without strain relief	10



Shield clamp on clip foot

PRODUCT DESCRIPTION

The shield clamp on clip foot can be snapped onto a 35 mm DIN rail without the use of tools. Just press the cable shield into the shield clamp to achieve a safe contact.

ADVANTAGES

- > easy, tool-free assembly
- > constant contact with cable shield due to spring pressure
- > excellent conductance of high-frequency interferences

TECHNICAL DATA

Material: galvanised spring steel, nickle-plated spring steel

SHIELD CLAMP ON CLIP FOOT			
ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
SKH 1,5-3	1030-001	1,5-3 mm	10
SKH 3-6	1030-002	3-6 mm	10
SKH 6-8	1030-003	6-8 mm	10
SKH 8-11	1030-004	8-11 mm	10
SKH 11-16	1030-005	11-16 mm	10
SKH 17-22	1030-006	17-22 mm	10
SKH 23-29	1030-007	23-29 mm	10
SKH 30-37	1030-008	30-37 mm	10
SKH 3-12	1030-011	3-12 mm, shield clamp Multi	10
SKH 7-18	1030-012	7-18 mm, shield clamp Multi	10



Shield clamp on clip foot with strain relief

PRODUCT DESCRIPTION

The shield clamp on clip foot can be snapped onto a 35 mm DIN rail without the use of tools. Just press the cable shield into the shield clamp to achieve a safe contact. The tension relief clamp offers the possibility of reducing strain on the cable sheath by using a cable binder.

ADVANTAGES

- > easy, tool-free assembly
- > constant contact with cable shield due to spring pressure

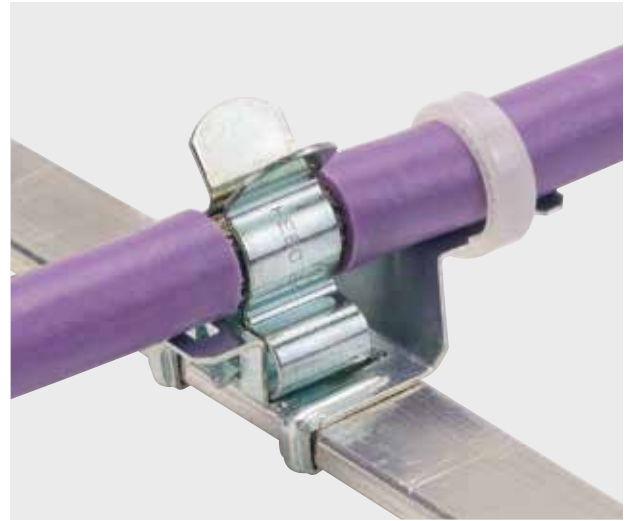
- > excellent conductance of high-frequency interferences
- > strain relief by using a cable binder on the cable sheath

TECHNICAL DATA

Material: galvanised spring steel, nickle-plated spring steel

SHIELD CLAMP ON CLIP FOOT WITH STRAIN RELIEF

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
SKHZ 1,5-3	1031-001	1,5-3 mm	10
SKHZ 3-6	1031-002	3-6 mm	10
SKHZ 6-8	1031-003	6-8 mm	10
SKHZ 8-11	1031-004	8-11 mm	10
SKHZ 11-16	1031-005	11-16 mm	10
SKHZ 17-22	1031-006	17-22 mm	10
SKHZ 3-12	1031-011	3-12 mm, shield clamp Multi	10
SKHZ 7-18	1031-012	7-18 mm, shield clamp Multi	10



HEBOCLIP for busbar

PRODUCT DESCRIPTION

The HEBOCLIP for busbars serves as a universal carrier for shield clamps with a clamp diameter of 1.5 to 16 mm.

Simply snap on the 10 x 3 mm busbar and then lock the appropriate shield clamp into place. Push the cable shield into the shield clamp.

The 10 x 1.5 mm type can be used to snap directly onto casing parts with a material thickness of 1.5 mm.

ADVANTAGES

- > tool-free assembly on 10 x 3 mm busbars
- > 10 x 1.5 mm design to be used e.g. for busbars, integrated within a casing box

- > for shield clamps with a clamping range of 1.5 to 16 mm
- > smaller range of items due to the variable mounting combinations
- > fewer stock items needed
- > very compact design
- > strain relief with cable binder using the HSZ

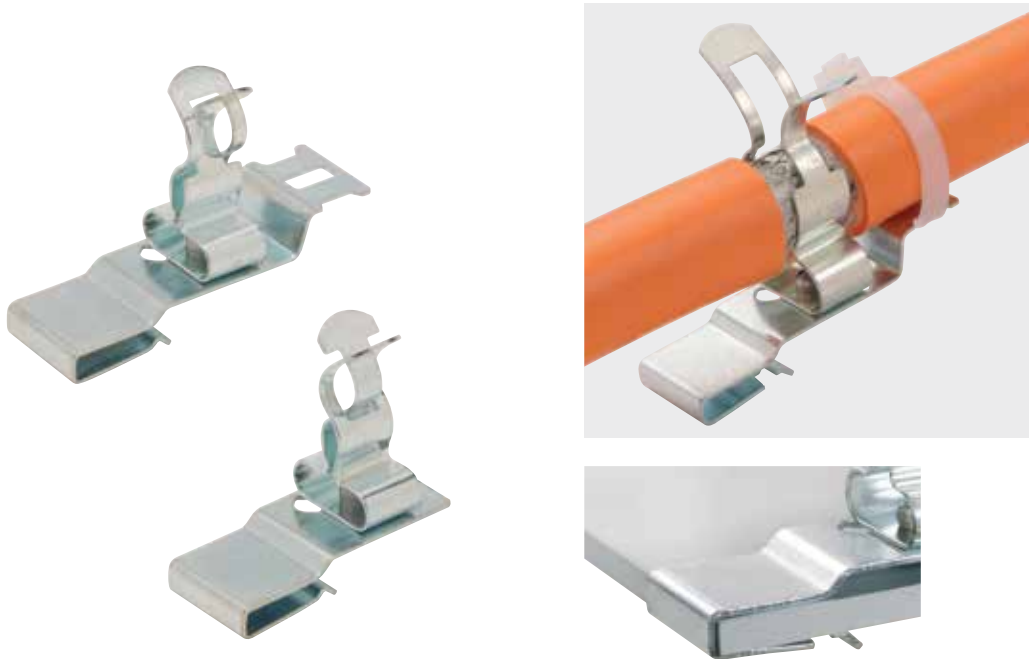
TECHNICAL DATA

Material: galvanised spring steel

ACCESSORIES

- > Shield clamp
- > Shield clamp Multi
- > HEBOSET set of assorted fittings
- > Busbar 10 x 3 x 1000mm

HEBOCLIP FOR BUSBAR			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
HSZ 3	1024-001	for busbar 10 x 3, with strain relief	10
HSZ 1.5	1024-002	for busbar 10 x 1.5, with strain relief	10
HS 3	1024-011	for busbar 10 x 3, without strain relief	10
HS 1.5	1024-012	for busbar 10 x 1.5, without strain relief	10
Busbar 10 x 3	1046-001	length 1000 mm	5



HEBOCLIP Uno for busbar or sheet metal edge

PRODUCT DESCRIPTION

Snap the HEBOCLIP Uno into place on the 10 x 3 mm busbar or sheet metal edge and push the cable shield into the shield clamp. A secure hold is achieved because of the special profile.

The clip is also available for 10 x 1.5 mm busbars or varying sheet thickness.

- > extremely compact design
- > strain relief using the HSDZ with cable binder
- > also available for 10 x 1.5 mm busbars
- > additional sizes available on demand

TECHNICAL DATA

Material: galvanised spring steel

ADVANTAGES

- > tool-free assembly on 10 x 3 mm busbar or sheet metal edging

ACCESSORIES

- > Busbar 10 x 3 x 1000mm

HEBOCLIP UNO FOR BUSBAR WITH STRAIN RELIEF

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSEZ 3-12	1025-118	3 – 12 mm, with strain relief	10
HSEZ 7-18	1025-119	7-18 mm, with strain relief	10
HSEZ 17-22	1025-116	17-22 mm, with strain relief	10
HSEZ 23-29	1025-117	23-29 mm, with strain relief	10

HEBOCLIP UNO FOR BUSBAR WITHOUT STRAIN RELIEF

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSE 3-12	1025-128	3-12 mm	10
HSE 7-18	1025-129	7-18 mm	10
HSE 17-22	1025-126	17-22 mm	10
HSE 23-29	1025-127	23-29 mm	10
Busbar 10 x 3	1046-001	length 1000 mm	5



HEBOCLIP Duo for busbar or sheet edge

PRODUCT DESCRIPTION

Simply snap the HEBOCLIP Duo for busbars onto the 10 x 3 mm busbar or sheet edge and then push the cable shield into the shield clamp. The special shape offers a secure hold.

By joining several HEBOCLIPs Duo together, an extremely compact support plate for several cables can be assembled.

The clip is also available for 10 x 1.5 mm busbars or sheet edge.

ADVANTAGES

- > tool-free assembly on 10 x 3 mm busbar or sheet edge
- > extremely compact design
- > strain relief with cable binder using the HSDZ
- > also available for 10 x 1.5 mm busbars or sheet edge

TECHNICAL DATA

Material: galvanised spring steel

ACCESSORIES

- > Busbar 10 x 3 x 1000mm

HEBOCLIP DUO FOR BUSBAR WITH STRAIN RELIEF

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSDZ 1.5-3	1025-011	1.5 – 3 mm, with strain relief	10
HSDZ 3-6	1025-012	3-6 mm, with strain relief	10
HSDZ 6-8	1025-013	6-8 mm, with strain relief	10
HSDZ 3-12	1025-014	3-12 mm, with strain relief	10

HEBOCLIP DUO FOR BUSBAR WITHOUT STRAIN RELIEF

ITEM DESCRIPTION	ORDER NO.	SHIELD DIAMETER	PU
HSD 1.5-3	1025-021	1.5-3 mm	10
HSD 3-6	1025-022	3-6 mm	10
HSD 6-8	1025-023	6-8 mm	10
HSD 3-12	1025-024	3-12 mm	10
Busbar 10 x 3	1046-001	length 1000 mm	5



HEBOCLIP for direct assembly

PRODUCT DESCRIPTION

The HEBOCLIP for direct assembly serves as a universal carrier for shield clamps with a clamp diameter of 1.5 to 18 mm.

For example, it can be screwed directly onto the mounting plate. Snap the chosen shield clamp into the clip and push the cable shield into the shield clamp.

ADVANTAGES

- > direct assembly with an M4 or M5 screw
- > universal bracket for shield clamps with a clamping range of 1.5 to 18 mm
- > smaller range of items due to the variable mounting combinations

- > fewer stock items needed
- > very compact design
- > strain relief with cable binder with HDZ

TECHNICAL DATA

Material: galvanised spring steel

ACCESSORIES

- > Shield clamp
- > Shield clamp Multi
- > HEBOSET set of assorted fittings

HEBOCLIP FOR DIRECT ASSEMBLY

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
HDZ 4	1022-001	boring for M4, with strain relief	10
HDZ 5	1022-002	boring for M5, with strain relief	10
HD 4	1022-021	boring for M4, without strain relief	10
HD 5	1022-022	boring for M5, without strain relief	10



Shield clamp for direct assembly

PRODUCT DESCRIPTION

The shield clamp for direct assembly can be screwed directly, for example onto the mounting plate. Simply push the cable shield into shield clamp in order to achieve secure contact.

ADVANTAGES

- > direct assembly with an M4 or M5 screw
- > mounting onto a C-rail with a mounting adapter as an accessory part
- > very compact design

- > small range of items due to the shield clamp Multi
- > additional sizes available on demand

TECHNICAL DATA

Material: galvanised spring steel

ACCESSORIES

- > mounting adapter for C-rails, page 49

SHIELD CLAMP FOR DIRECT ASSEMBLY			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
SKD 4 3-12	1022-311	M4, shield diameter 3-12 mm	10
SKD 4 7-18	1022-312	M4, shield diameter 7-18 mm	10
SKD 4 17-22	1022-306	M4, shield diameter 17-22 mm	10
SKD 4 23-29	1022-307	M4, shield diameter 23-29 mm	10
SKD 5 3-12	1022-331	M5, shield diameter 3-12 mm	10
SKD 5 7-18	1022-332	M5, shield diameter 7-18 mm	10
SKD 5 17-22	1022-326	M5, shield diameter 17-22 mm	10
SKD 5 23-29	1022-327	M5, shield diameter 23-29 mm	10
C16/4 SKD	3011-210	mounting adapter for C-rail, M4	10



Shield clamp for direct assembly with strain relief

PRODUCT DESCRIPTION

The shield clamp for direct assembly can be screwed directly, for example onto the mounting plate. Simply push the cable shield into the shield clamp in order to achieve secure contact.

The tension relief clamp offers the possibility of reducing strain on the cable sheath by using a cable binder.

ADVANTAGES

- > direct assembly with an M4 or M5 screw
- > mounting onto a C-rail with a mounting adapter as an accessory part

- > very compact design
- > small range of items due to the shield clamp Multi
- > additional sizes available on demand
- > strain relief by using a cable binder on the cable sheath

TECHNICAL DATA

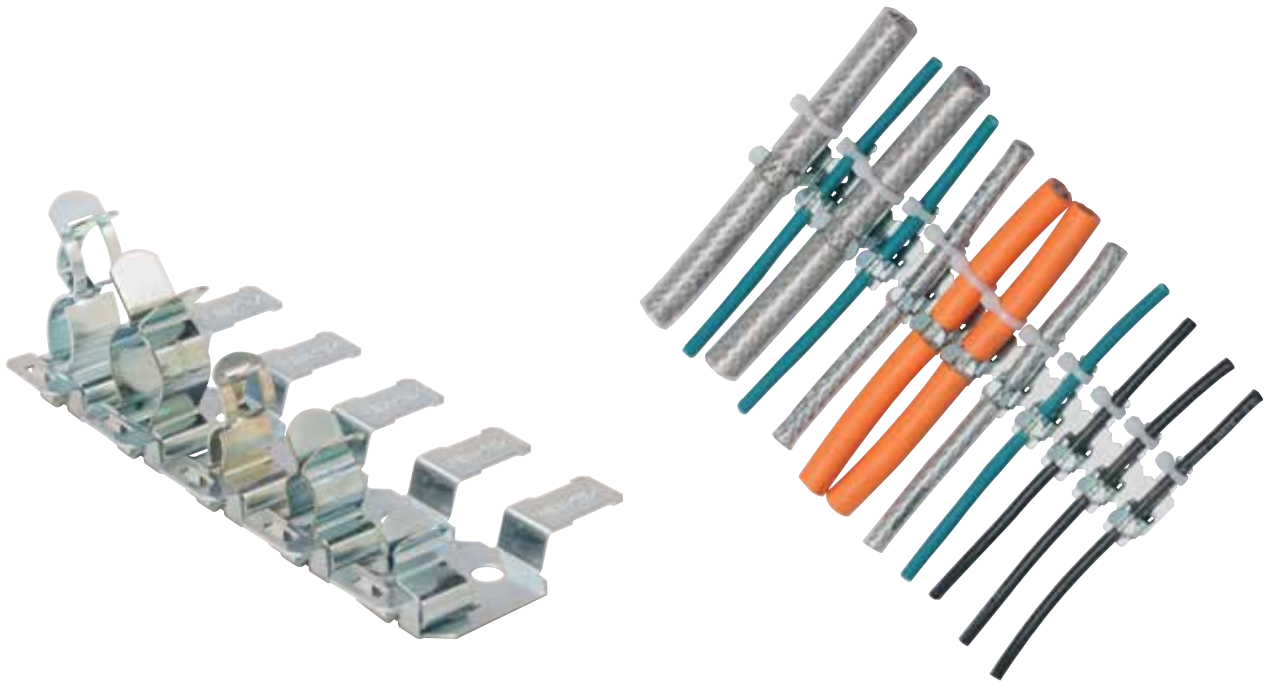
Material: galvanised spring steel

ACCESSORIES

- > mounting adapter for C-rails, page 49

SHIELD CLAMP FOR DIRECT ASSEMBLY WITH STRAIN RELIEF

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
SKDZ 4 3-12	1022-211	M4, shield diameter 3-12 mm	10
SKDZ 4 7-18	1022-212	M4, shield diameter 7-18 mm	10
SKDZ 4 17-22	1022-206	M4, shield diameter 17-22 mm	10
SKDZ 4 23-29	1022-207	M4, shield diameter 23-29 mm	10
SKDZ 5 3-12	1022-231	M5, shield diameter 3-12 mm	10
SKDZ 5 7-18	1022-232	M5, shield diameter 7-18 mm	10
SKDZ 5 17-22	1022-226	M5, shield diameter 17-22 mm	10
SKDZ 5 23-29	1022-227	M5, shield diameter 23-29 mm	10
C16/4 SKD	3011-210	mounting adapter for C-rail, M4	10



HEBOCLIP clamp assembly with strain relief

PRODUCT DESCRIPTION

The HEBOCLIP clamp assembly for direct mounting serves as a universal carrier for up to 12 shield clamps with a clamp diameter of 1.5 to 18 mm.

The clamp assembly can be shortened to the required amount by breaking unwanted clips off at the predetermined breaking points. It is then attached using screws.

ADVANTAGES

- > connects up to 12 shield clamps per clamp assembly
- > space-saving assembly on the mounting plate
- > universal carrier for shield clamps with a clamping range of 1.5 to 18 mm

- > breaking points allow an adaptation to the required number of cables
- > fewer stock items needed
- > very compact design
- > strain relief with cable binder

TECHNICAL DATA

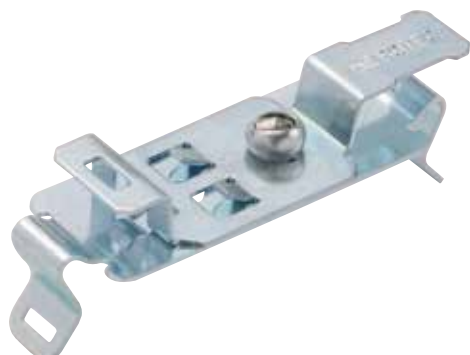
Material: galvanised spring steel

ACCESSORIES

- > Shield clamp
- > Shield clamp Multi
- > HEBOSET set of assorted fittings

HEBOCLIP CLAMP ASSEMBLY WITH STRAIN RELIEF

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
HRDZ 4	1040-001	boring for M4, with strain relief	5
HRDZ 5	1040-002	boring for M5, with strain relief	5



HEBOCLIP for perforated plate

PRODUCT DESCRIPTION

The HEBOCLIP for perforated plate serves as a universal carrier for shield clamps ranging from a diameter of 1.5 to 18 mm.

It can be snapped onto existing perforated plates with a material thickness of 1.5 to 3 mm without the use of tools. Simply snap the adequate shield clamp onto the clip and push the cable shield into the place.

ADVANTAGES

- > tool-free assembly on the perforated plate
- > universal carrier for shield clamps with clamping ranges varying from 1.5 to 18 mm

- > fewer stock items
- > extremely compact design
- > strain relief by using a cable binder on the cable sheath

TECHNICAL DATA

Material: galvanised spring steel

ACCESSORIES

- > Shield clamp
- > Shield clamp Multi
- > HEBOSET set of assorted fittings

HEBOCLIP FOR PERFORATED PLATE			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
HLZ 8/12	1035-024	for perforations 8 x 8 mm, web mesh 4 mm, hole spacing 28 mm	10
HLZ 8/10	1035-022	for perforations 8 x 8 mm, web mesh 2 mm, hole spacing 42 mm	10



Shield clamp for perforated plate with strain relief

PRODUCT DESCRIPTION

The shield clamp for perforated plate can be snapped onto existing perforated plates with a material thickness of 1.5 to 3 mm and a hole dimension of 8 x 8 mm without the use of tools.

To assure safe contact, the cable shield simply has to be pushed into the shield clamp.

The strain relief clamp provides the possibility of strain relief of the cable sheath by using a cable binder.

ADVANTAGES

- > tool-free assembly on the perforated plate
- > wide clamping range
- > fewer stock items
- > extremely compact design
- > strain relief by using a cable binder on the cable sheath

TECHNICAL DATA

Material: galvanised spring steel

SHIELD CLAMP FOR PERFORATED PLATE WITH STRAIN RELIEF			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
SKLZ 8/12 3-12	1035-042	for shield diameter 3-12 mm, hole spacing 28 mm	10
SKLZ 8/12 7-18	1035-044	for shield diameter 7-18 mm, hole spacing 28 mm	10
SKLZ 8/10 3-12	1035-052	for shield diameter 3-12 mm, hole spacing 42 mm	10
SKLZ 8/10 7-18	1035-054	for shield diameter 7-18 mm, hole spacing 42 mm	10



HEBOSET set of assorted fittings

PRODUCT DESCRIPTION

With HEBOSET you always have the right shield clamp and carrier at hand. We would be pleased to provide a special assortment to fit your specific needs.

CONTENT HEBOSET SMALL

- > 15 x shield clamp HSK 1.5–3
- > 15 x shield clamp HSK 3–6
- > 15 x shield clamp HSK 6–8
- > 15 x shield clamp HSK 8–11
- > 5 x shield clamp HSKM 3–12
- > 5 x shield clamp HSKM 7–18
- > 10 x HEBOCLIP with clip foot HHZ-2
- > 10 x HEBOCLIP for direct mounting HDZ 4
- > 10 x HEBOCLIP for busbar HSZ 3
- > 3 x HEBOCLIP clamp assembly for direct mounting HRDZ
- > 3 x HEBOCLIP Duo 3–6
- > 3 x HEBOCLIP Duo 6–8

ADVANTAGES

- > all parts are clearly arranged
- > all-purpose usage
- > set box in sturdy workshop design
- > set box individually filled to reflect your requirements

CONTENT HEBOSET BIG

- > 25 x shield clamp HSK 1.5–3
- > 25 x shield clamp HSK 3–6
- > 25 x shield clamp HSK 6–8
- > 25 x shield clamp HSK 8–11
- > 15 x shield clamp HSK 11–16
- > 20 x shield clamp HSKM 3–12
- > 10 x shield clamp HSKM 7–18
- > 10 x HEBOCLIP with clip foot HHZ-2
- > 20 x HEBOCLIP for direct mounting HDZ 4
- > 20 x HEBOCLIP for busbar HSZ 3
- > 3 x HEBOCLIP clamp assembly for direct mounting HRDZ
- > 5 x HEBOCLIP Duo 1.5–3
- > 5 x HEBOCLIP Duo 3–6
- > 5 x HEBOCLIP Duo 6–8
- > 3 x HEBOCLIP Duo 3–12

HEBOSET SET OF ASSORTED FITTINGS

ITEM DESCRIPTION	ORDER NO.	PU
HEBOSET small	1029-001	1
HEBOSET big	1029-002	1
HEBOSET customised	1029-xxx	3



Customised shield connection

PRODUCT DESCRIPTION

Standard shield connections often do not offer ideal solutions.

We are able to offer practical assembly solutions for all requirements. Such an offer would be according to your demand, even in small quantities, without you having to waive the proven advantages of the HEBOCLIP-system.

EXAMPLES

Picture 1:

This shield clamp is being pressed onto the cable shield and remains stable due to the high clamping force. A short earth connection can be constructed using a braided wire to the pre-assembled crimp connection.

Picture 2:

The shield clamp on mounting bracket is used for the assembly on a 4 mm stud bolt on a control panel door. A second possibility is a cable holder affixed with a bolt-setting tool directly onto a steel construction.

Picture 3:

Shows a flexible shield connection with earthing tape. The shield clamp can be pressed onto the cable shield and remains stable due to the high clamping force.

Picture 4:

Shield clamp with HEBOCLIP and special surface coating.

Picture 5:

This shield connection is fixed with the multi-purpose clamp onto a cylindrical component. The cable shield of a sensor cable will make contact with the shield clamp.

Picture 6:

The shield clamps mounted on a sheet metal mounting bracket enable an ideal adaptation to the mechanical measurements.

Picture 7:

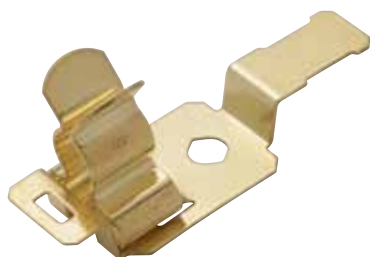
This picture shows the HEBOCLIP-system mounted on a shielding plate for 24-pin connection plates. The HEBOCLIPs can be equipped with shield clamps according to specific requirements.

Picture 8:

In this case, a HEBOCLIP is mounted onto a current meter. This assures a good contact of the sensor cable's shield and, additionally, strain relief by using a cable binder.

Advantages

- > technically and economically ideal solutions, made according to your demands
- > for small and large scale production series



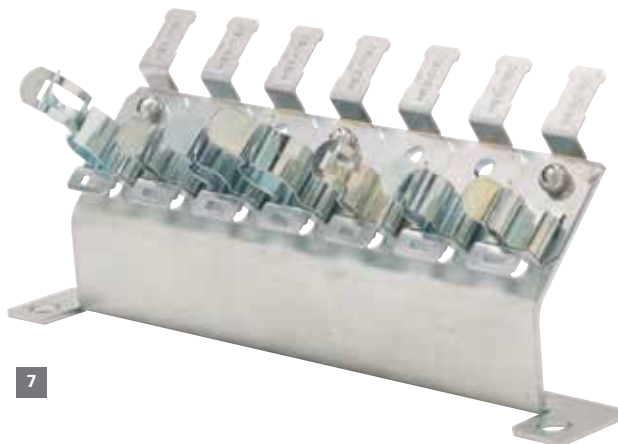
4



5



6



7



8



Earthing Tapes

PRODUCT DESCRIPTION

Earthing tapes made of flexible copper conductors with seamless pressed ferrules and holes for metric screws.

- > high tensile strength
- > more sizes in stock
- > special sizes on request

ADVANTAGES

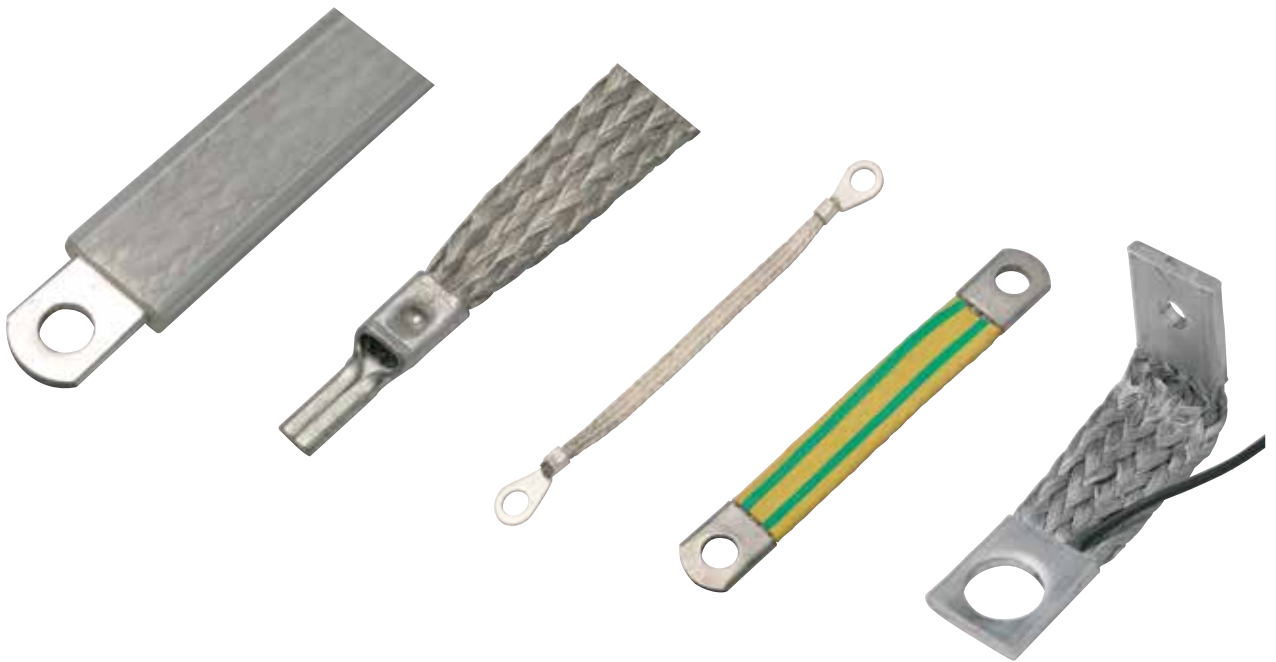
- > very good drainage of high-frequency interference
- > very small contact resistance

TECHNICAL DATA

Material: tinned copper
tin plated seamless pressed ferrules

EARTHING TAPE			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
Earthing tape	5-KT004010004	4 mm ² , 100 mm, M4	10
Earthing tape	5-KT006010004	6 mm ² , 100 mm, M4	10
Earthing tape	5-KT006010006	6 mm ² , 100 mm, M6	10
Earthing tape	5-KT006012006	6 mm ² , 120 mm, M6	10
Earthing tape	5-KT006015006	6 mm ² , 150 mm, M6	10
Earthing tape	5-KT006020004	6 mm ² , 200 mm, M4	10
Earthing tape	5-KT006020006	6 mm ² , 200 mm, M6	10
Earthing tape	5-KT006030006	6 mm ² , 300 mm, M6	10
Earthing tape	5-KT006035006	6 mm ² , 350 mm, M6	10
Earthing tape	5-KT006040006	6 mm ² , 400 mm, M6	10
Earthing tape	5-KT006050006	6 mm ² , 500 mm, M6	10
Earthing tape	5-KT006060006	6 mm ² , 600 mm, M6	10
Earthing tape	5-KT010010006	10 mm ² , 100 mm, M6	10
Earthing tape	5-KT010010008	10 mm ² , 100 mm, M8	10
Earthing tape	5-KT010015006	10 mm ² , 150 mm, M6	10
Earthing tape	5-KT010015008	10 mm ² , 150 mm, M8	10
Earthing tape	5-KT010020006	10 mm ² , 200 mm, M6	10
Earthing tape	5-KT010020008	10 mm ² , 200 mm, M8	10
Earthing tape	5-KT01002000608	10 mm ² , 200 mm, M6–M8	10
Earthing tape	5-KT010030006	10 mm ² , 300 mm, M6	10
Earthing tape	5-KT010030008	10 mm ² , 300 mm, M8	10
Earthing tape	5-KT01003000608	10 mm ² , 300 mm, M6–M8	10
Earthing tape	5-KT010035006	10 mm ² , 350 mm, M6	10
Earthing tape	5-KT010040006	10 mm ² , 400 mm, M6	10
Earthing tape	5-KT010040008	10 mm ² , 400 mm, M8	10

EARTHING TAPE			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
Earthing tape	5-KT010050006	10 mm ² , 500 mm, M6	10
Earthing tape	5-KT010050008	10 mm ² , 500 mm, M8	10
Earthing tape	5-KT010060006	10 mm ² , 600 mm, M6	10
Earthing tape	5-KT016010006	16 mm ² , 100 mm, M6	10
Earthing tape	5-KT016010008	16 mm ² , 100 mm, M8	10
Earthing tape	5-KT016015006	16 mm ² , 150 mm, M6	10
Earthing tape	5-KT016015008	16 mm ² , 150 mm, M8	10
Earthing tape	5-KT01601500608	16 mm ² , 150 mm, M6–M8	10
Earthing tape	5-KT016020006	16 mm ² , 200 mm, M6	10
Earthing tape	5-KT016020008	16 mm ² , 200 mm, M8	10
Earthing tape	5-KT01602000608	16 mm ² , 200 mm, M6–M8	10
Earthing tape	5-KT016025008	16 mm ² , 250 mm, M8	10
Earthing tape	5-KT016030006	16 mm ² , 300 mm, M6	10
Earthing tape	5-KT016030008	16 mm ² , 300 mm, M8	10
Earthing tape	5-KT01603000608	16 mm ² , 300 mm, M6–M8	10
Earthing tape	5-KT016035008	16 mm ² , 350 mm, M8	10
Earthing tape	5-KT016040006	16 mm ² , 400 mm, M6	10
Earthing tape	5-KT016040008	16 mm ² , 400 mm, M8	10
Earthing tape	5-KT016050006	16 mm ² , 500 mm, M6	10
Earthing tape	5-KT016050008	16 mm ² , 500 mm, M8	10
Earthing tape	5-KT016060008	16 mm ² , 600 mm, M8	10
Earthing tape	5-KT016080008	16 mm ² , 800 mm, M8	10
Earthing tape	5-KT016150008	16 mm ² , 1500 mm, M8	10
Earthing tape	5-KT025010008	25 mm ² , 100 mm, M8	10
Earthing tape	5-KT025010010	25 mm ² , 100 mm, M10	10
Earthing tape	5-KT025015008	25 mm ² , 150 mm, M8	10
Earthing tape	5-KT025015010	25 mm ² , 150 mm, M10	10
Earthing tape	5-KT025020008	25 mm ² , 200 mm, M8	10
Earthing tape	5-KT025020010	25 mm ² , 200 mm, M10	10
Earthing tape	5-KT025025008	25 mm ² , 250 mm, M8	10
Earthing tape	5-KT025025010	25 mm ² , 250 mm, M10	10
Earthing tape	5-KT025030008	25 mm ² , 300 mm, M8	10
Earthing tape	5-KT025030010	25 mm ² , 300 mm, M10	10
Earthing tape	5-KT025035010	25 mm ² , 350 mm, M10	10
Earthing tape	5-KT025040006	25 mm ² , 400 mm, M6	10
Earthing tape	5-KT025040008	25 mm ² , 400 mm, M8	10
Earthing tape	5-KT025040010	25 mm ² , 400 mm, M10	10
Earthing tape	5-KT025050008	25 mm ² , 500 mm, M8	10
Earthing tape	5-KT025060008	25 mm ² , 600 mm, M8	10
Earthing tape	5-KT025070008	25 mm ² , 700 mm, M8	10
Earthing tape	5-KT025100008	25 mm ² , 1000 mm, M8	10
Earthing tape	5-KT035040008	35 mm ² , 400 mm, M8	10
Earthing tape	5-KT050025010	50 mm ² , 250 mm, M10	10
Earthing tape	5-KT050040008	50 mm ² , 400 mm, M8	10
Earthing tape	5-KT070030010	70 mm ² , 300 mm, M10	10
Earthing tape	5-KT070050010	70 mm ² , 500 mm, M10	10
Earthing tape on reel	5-KO-0040-10	4 mm ² , 50 m	1
Earthing tape on reel	5-KO-0060-10	6 mm ² , 50 m	1
Earthing tape on reel	5-KO-0100-20	10 mm ² , 25 m	1
Earthing tape on reel	5-KO-0160-20	16 mm ² , 25 m	1
Earthing tape on reel	5-KO-0250-20	25 mm ² , 25 m	1



Customised earthing tapes

PRODUCT DESCRIPTION

Standard earthing tapes do not always provide the ideal solution. We are able to offer earthing tapes - even for small batches - which are based on your needs and practical-related requirements.

We can adapt the conducting material, dimensions and contact surface as well as the insulation in order to suit your individual demand.

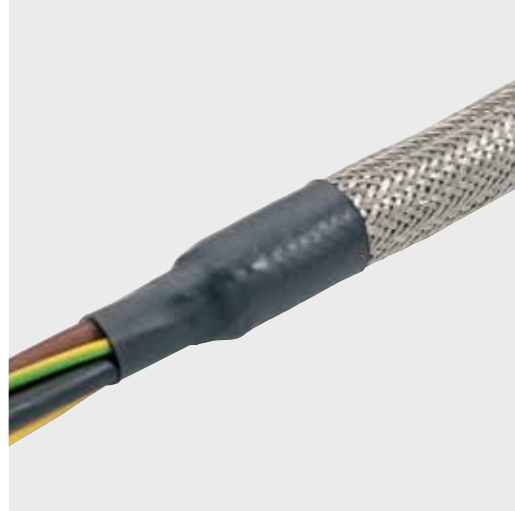
ADVANTAGES

- > perfect technical and economical adaptations to meet your requirements
- > for small and large batches

TECHNICAL DATA

Materials: blank copper, tin-plated copper, aluminium, stainless steel

Please contact our customer service department with your requests.



Shielding braid

PRODUCT DESCRIPTION

Shielding braid of tin-plated copper wires is perfectly suited to protect pipes and cables from interfering influences from electric fields.

ADVANTAGES

- > high coverage
- > very good shielding effect

TECHNICAL DATA

Material: tin-plated copper

Temperature range: -50 °C up to 200 °C

SHIELDING BRAID			
ITEM DESCRIPTION	ORDER NO.	EXTENDABLE MIN – MAX	PU
Shielding braid	2050-001	6–12 mm	100 m
Shielding braid	2050-002	8–16 mm	100 m
Shielding braid	2050-003	15–30 mm	100 m
Shielding braid	2050-004	24–48 mm	100 m



HEBOPRESS Cable lugs

PRODUCT DESCRIPTION

HEBOPRESS cable lugs for use with endless HEBOTECH earthing strap offers a unique way to design the dimensions of earthing straps individually. With this technology, the optimal properties of flat conductor in terms of electromagnetic compatibility is maintained.

ADVANTAGES

> very good derivation of high-frequency interference currents

> small contact resistance
> production according to your requirements

TECHNICAL DATA

Material: copper ETP tinned

ACCESSORIES

> Press inserts and tools
> Earthing tape on reel

HEBOPRESS CABLE LUGS			
ITEM DESCRIPTION	ORDER NO.	DIMENSION	PU
HPK 10-6	2040-011	10 mm ² , M6	10
HPK 10-8	2040-012	10 mm ² , M8	10
HPK 10-10	2040-013	10 mm ² , M10	10
HPK 16-6	2040-001	16 mm ² , M6	10
HPK 16-8	2040-002	16 mm ² , M8	10
HPK 16-10	2040-003	16 mm ² , M10	10
Earthing tape on reel	5-KO-0100-20	10 mm ² , 25 m	1
Earthing tape on reel	5-KO-0160-20	16 mm ² , 25 m	1



HEBOPRESS tools

PRODUCT DESCRIPTION

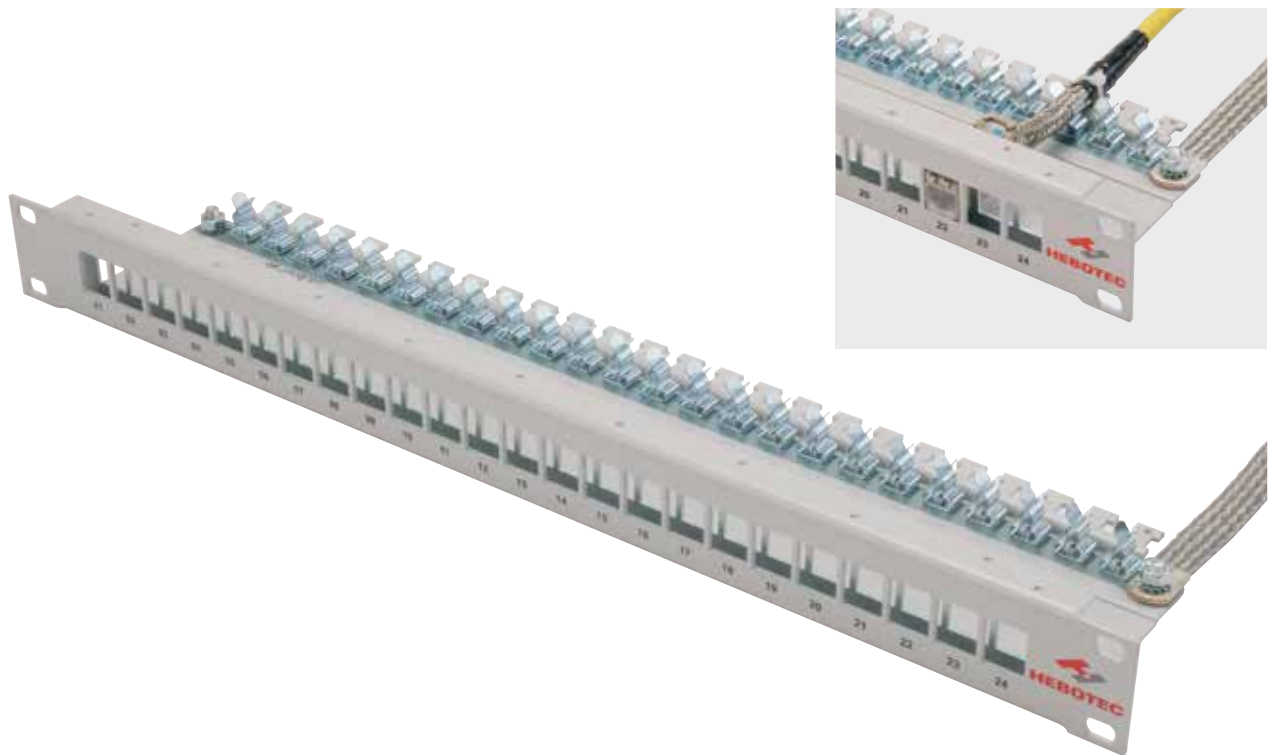
It is very easy using HEBOPRESS tools to produce individualised earthing tapes.

Both, the hand press and the rechargeable battery press can be equipped with standard inserts, e.g. for circular cable-lugs.

ASSEMBLY

- > Place inserts into press.
- > Cut earthing tape from the reel to desired length.
- > Push HEBOPRESS earthing tape cable-lugs onto the terminal of earthing tape.
- > Grout HEBOPRESS earthing tape cable-lug.

HEBOPRESS TOOLS			
ITEM DESCRIPTION	ORDER NO.	MEASUREMENT	PU
Press insert 16	2040-032	for 16 mm ²	1
Press insert 10	2040-033	for 10 mm ²	1
Earthing tape scissors	2040-041	for cutting earthing tape to size	1
Hand press	2040-042		1
Rechargeable battery press	2040-043		1



Patch panel for network cabinets, EMC conform

PRODUCT DESCRIPTION

The patch panel for network cabinets which conform with the EMC standards is designed for industrial operating conditions. It consists of a 19" distribution panel for 24 x RJ 45 modules. The cable shield is optimally contacted using shield clamps.

The strain relief clamps provide the possibility of individual strain relief of the cable sheath by using a cable binder.

ADVANTAGES

- > EMC-conform
- > tool-free assembly
- > both-sided earth bolt for connection of an earthing tape

- > constant contact with cable shield due to spring pressure
- > strain relief by using a cable binder on the cable sheath

TECHNICAL DATA

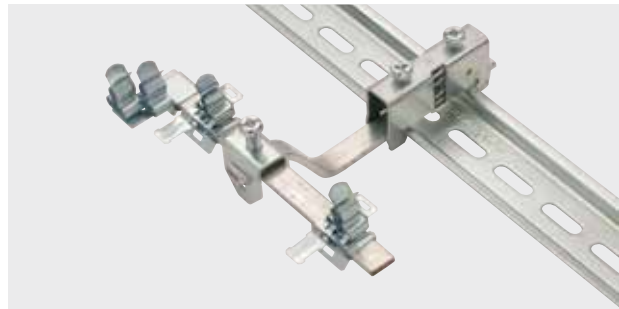
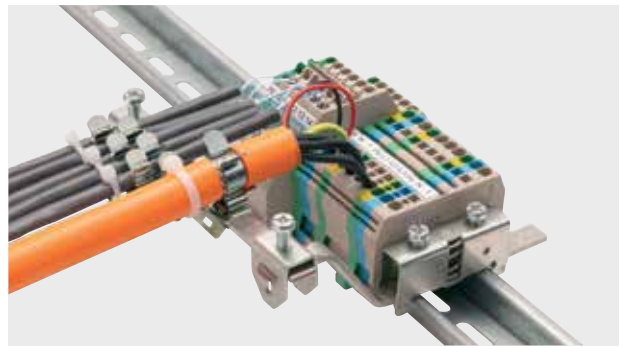
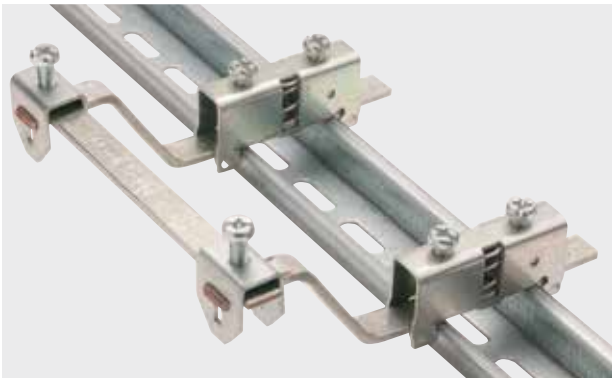
Material: galvanised sheet steel, galvanised spring steel, light grey (RAL 7035) front surface, powder-coated

ACCESSORIES

- > Earthing tapes

PATCH PANEL FOR NETWORK CABINETS, EMC-CONFORM

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
Patch panel	1060-001	for 24 x RJ 45 modules	1



Busbar support for 35 mm DIN rail

PRODUCT DESCRIPTION

A 10 x 3 mm busbar can be assembled variably in regard to height, width as well as at the distance from the connections of the devices.

By combining the HEBOCLIPs HS(Z) and HSD(Z) and the shield clamps HSK(M), a great variety of possibilities exists which ensures a constantly excellent conductance of high-frequency interferences.

ADVANTAGES

- > variable assembly regarding to width, height and distance from the connections of the devices
- > Use of standard busbars 10 x 3 mm

- > highly flexible
- > high packing density

TECHNICAL DATA

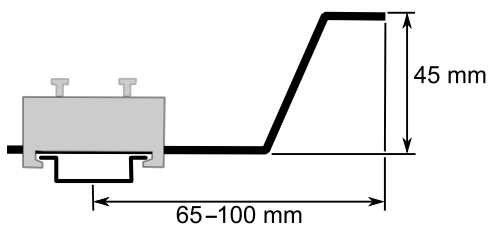
Material: galvanised steel, tin-plated copper

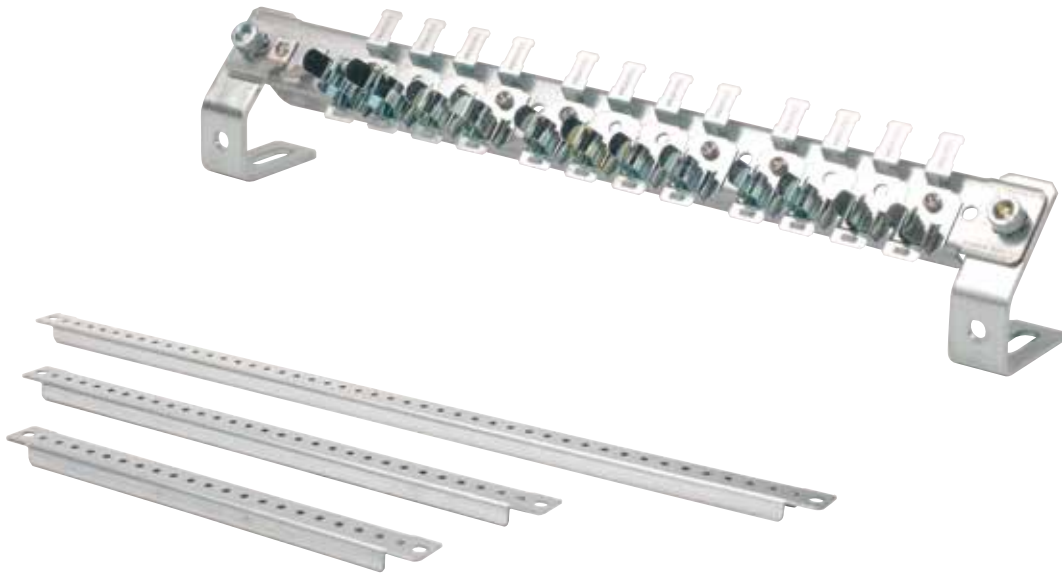
ACCESSORIES

- > HEBOCLIP for busbar
- > HEBOCLIP Uno for busbar
- > HEBOCLIP Duo for busbar
- > Shield clamp
- > Busbar 10 x 3 mm
- > HEBOSET set of assorted fittings

BUSBAR SUPPORT FOR 35 MM DIN RAIL

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
SH	1092-001	Busbar support	10
SV	1092-002	Busbar connector	10
SSG	1092-003	Busbar, curved, see sketch	10
SSTH-Set	1092-004	Set of 2 x SH, 2 x SV, 2 x SSG	1
Busbar 10 x 3	1046-001	Length 1.000 mm	5





Modular mounting rail system

PRODUCT DESCRIPTION

The modular mounting rail system offers a special solution, adapted to meet your demands. It is used for fixing and contacting shielded cables with the pre-assembled HEBOCLIP-system.

The different lengths of the rails are suitable for mounting directly onto construction plates, for installation on control panel profiles or for assembly with mounting brackets.

We would be pleased to develop with you a solution which will meet specific requirements.

In this case, please do not hesitate to contact our ordering service.

ADVANTAGES

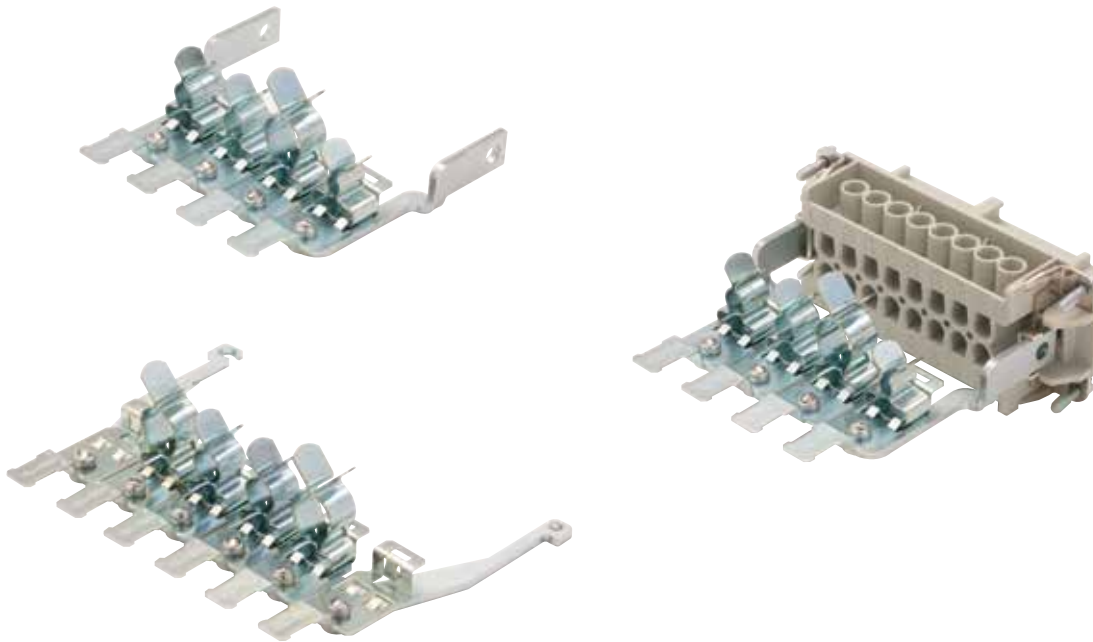
- > space-saving due to optimised equipment
- > minimal effort required for assembly
- > time-saving
- > strain relief with cable binder using the HDZ

TECHNICAL DATA

Material: galvanised steel, galvanised spring steel

ACCESSORIES

- > Shield clamp
- > Shield clamp Multi
- > HEBOCLIP for direct mounting
- > Mounting brackets
- > HEBOSET set of assorted fittings



Cable clamp for heavy-duty plug connectors

PRODUCT DESCRIPTION

The cable clamps for heavy-duty plug connectors are equipped with the HEBOTEC HDZ. For 16-pin and 24-pin applications they provide a very compact shield connection.

The cable clamp is mounted on the stable connector part directed towards the inner walling of the control panel. The shielded cables with a diameter of 1.5 - 18 are thus optimally in contact with the appropriate shield clamps. Additionally, a cable binder can be used to ensure strain relief.

ADVANTAGES

- > accessories for 16-pin and 24-pin plug connectors
- > straight and curved design
- > flexibly equipped with HSK shield clamp
- > customised assembly possible

TECHNICAL DATA

Material: galvanised steel, galvanised spring steel

ACCESSORIES

- > Shield clamp
- > Shield clamp Multi
- > HEBOSET set of assorted fittings

CABLE CLAMPS FOR HEAVY-DUTY CONNECTORS

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
SBHAN 16	1091-011	straight, stepped, 4 x HDZ 4	5
SBHAN 16G	1091-021	curved, 4 x HDZ 4	5
SBHAN 24	1091-012	straight, stepped, 6 x HDZ 4	5



Supports for 35 mm DIN rail and busbar

PRODUCT DESCRIPTION

For easy mounting of busbars and 35 mm DIN rails. There are various supports available. To fix with an M6 screw.

TECHNICAL DATA

thread M6
Material: Galvanised steel

ADVANTAGES

- > Depending on the application and installation conditions there are several supports available.
- > The support MSD even allows the assembly of two rails.

ACCESSORIES

- > Busbar 10 x 3 x 1000 mm

SUPPORTS FOR 35 MM DIN RAIL AND BUSBAR			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
MSA-49	1046-010	80 x 20 x 49 mm	10
MSA-68	1046-011	80 x 20 x 68 mm	10
MSA-88	1046-012	80 x 20 x 88 mm	10
MSB-20	1046-020	80 x 20 x 20 mm	10
MSB-30	1046-021	80 x 20 x 30 mm	10
MSB-50	1046-022	80 x 20 x 50 mm	10
MSB-90	1046-023	80 x 20 x 90 mm	10
MSC-40	1046-030	40 x 18 x 40 mm	10
MSC-53	1046-031	40 x 18 x 53 mm	10
MSD-49	1046-040	80 x 20 x 49 mm	10
Bus-bar 10 x 3	1046-001	length 1.000 mm	5

Fastening systems

An increasing number of flexible and multi-purpose fastening systems is required for the cabling of machines and facilities.

The repeatedly reusable HEBOTEC products satisfy these needs.

Furthermore, HEBOTEC also offers solutions using self-extinguishing materials according to the Flammability Test UL94.

These products have been approved by many automobile manufacturers.



Hook-and-loop tape

PRODUCT DESCRIPTION

Hook-and-loop tape of polypropylene in high quality can be reused hundreds of times. The tapes are perfect for bundeling, organisation and protection of cables and wires.

ADVANTAGES

- > cable bundles can be extended easily
- > self-extinguishing design according to UL94-V2

- > hook-and-loop tape on reel can be cut to the required length
- > reduced risk of injury compared to use of cut off cable binder

TECHNICAL DATA

Material: Polypropylene
reusable hundreds of times

HOOK-AND-LOOP TAPE ON REEL TO CUT TO SIZE, SELF-EXTINGUISHING ACCORDING TO UL94-V2

ITEM DESCRIPTION	ORDER NO.	DIMENSION	PU
Hook-and-loop tape on reel FRT	11-KE07015FRT	7.5 mm	15 m
Hook-and-loop tape on reel FRT	11-KE10025FRT	10 mm	25 m
Hook-and-loop tape on reel FRT	11-KE13025FRT	13 mm	25 m
Hook-and-loop tape on reel FRT	11-KE16025FRT	16 mm	25 m
Hook-and-loop tape on reel FRT	11-KE20025FRT	20 mm	25 m
Hook-and-loop tape on reel FRT	11-KE25025FRT	25 mm	25 m
Hook-and-loop tape on reel FRT	11-KE30025FRT	30 mm	25 m



Hook-and-loop cable binder

PRODUCT DESCRIPTION

Hook-and-loop tape of polypropylene in high quality can be reused hundreds of times. The tapes are perfect for bundeling, organisation and protection of cables and wires.

ADVANTAGES

- > cable bundles can be extended easily
- > self-extinguishing design according to UL94-V2

- > hook-and-loop cable binders on reel are perforated to ease tearing off
- > reduced risk of injuries compared to the use of cut off cable binders

TECHNICAL DATA

Material: Polypropylene
reusable hundreds of times

HOOK-AND-LOOP CABLE BINDER, SELF-EXTINGUISHING ACCORDING TO UL94-V2

ITEM DESCRIPTION	ORDER NO.	DIMENSION	PU
Hook-and-loop cable binder on reel FRT	11-KK13200FRT	7 x 200 mm	750 pcs
Hook-and-loop cable binder on reel FRT	11-KK20150FRT	13 x 150 mm	1000 pcs
Hook-and-loop cable binder on reel FRT	11-KK20200FRT	13 x 200 mm	750 pcs
Hook-and-loop cable binder on reel FRT	11-KK20330FRT	13 x 330 mm	450 pcs



HEBOFIX base for hook-and-loop tape

PRODUCT DESCRIPTION

The base for hook-and-loop fasteners serves as installation support and provides minimal damage during attachment of pipes, cables and tubes. The base can be equipped, free of tools, with hook-and-loop fasteners in variable lengths.

The base is available for both, direct assembly with flat-head screw or with the mounting accessories for assembly onto C-rails and profile groove.

ADVANTAGES

- > variable length of the hook-and-loop tape, or already assembled with hook-and-loop tape
- > provides a tangle-free and protective cable installation

- > reusable
- > cable bundles can be extended easily
- > easy handling
- > reduced risk of injuries compared to the use of cut off cable binders

TECHNICAL DATA

Material: Polyamide, reinforced with glass fibre, self-extinguishing according to UL94-V0

ACCESSORIES

- > hook-and-loop tape on reel
- > mounting accessories

HEBOFIX BASE FOR HOOK-AND-LOOP TAPE

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS 4-20	3011-001	clamping range 4-20 mm, hook-and-loop tape 7.5 mm, M4	10
KBS 4-20	3011-002	clamping range 4-20 mm, hook-and-loop tape 10 mm, M4	10
KBS 8-35	3011-004	clamping range 8-35 mm, hook-and-loop tape 20 mm, M4 or M5	10
KBS 10-60	3011-006	clamping range 10-60 mm, hook-and-loop tape 20 mm, M4 or M5	10

HEBOFIX BASE ASSEMBLED WITH HOOK-AND-LOOP TAPE

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-KE 4-20	3011-001-150	clamping range 4-20 mm, hook-and-loop tape 150 x 7.5 mm, M4	10
KBS-KE 4-20	3011-002-150	clamping range 4-20 mm, hook-and-loop tape 150 x 10 mm, M4	10
KBS-KE 8-35	3011-004-180	clamping range 8-35 mm, hook-and-loop tape 180 x 20 mm, M4 or M5	10
KBS-KE 10-60	3011-006-200	clamping range 10-60 mm, hook-and-loop tape 200 x 20 mm, M4 or M5	10



HEBOFIX base Big for hook-and-loop tape

PRODUCT DESCRIPTION

The base for hook-and-loop fasteners serves as installation support which prevents damage during attachment of pipes, cables and tubes. The base can be equipped, free of tools, with hook-and-loop fasteners in variable lengths.

The base is available for both, direct assembly with an M6 cylinder screw or using the mounting accessories for assembly onto a profile groove.

ADVANTAGES

- > variable length of the hook-and-loop tape, or already assembled with hook-and-loop tape
- > provides a tangle-free and protective cable installation

- > reusable
- > cable bundles can be extended easily
- > easy handling
- > reduced risk of injuries compared to the use of cut off cable binders

TECHNICAL DATA

Material: Polyamide, reinforced with glass fibre, self-extinguishing according to UL94-V0

ACCESSORIES

- > hook-and-loop tape on reel
- > mounting accessories

HEBOFIX BASE BIG FOR HOOK-AND-LOOP TAPE			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS 20-100	3011-010	clamping range 20-100 mm, hook-and-loop tape 30 mm, M6	10

HEBOFIX BASE BIG ASSEMBLED WITH HOOK-AND-LOOP TAPE			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-KE 20-100	3011-010-300	clamping range 20-100 mm, hook-and-loop tape 300 x 30 mm, M6	10

HEBOFIX BIG MOUNTING PROCEDURE





HEBOFIX base for aluminium profile

PRODUCT DESCRIPTION

The base for hook-and-loop fasteners with clamping foot serves as a gentle installation support of lines, cables and hoses on aluminium profiles.

The clamping foot can be assembled by a 90° turn into the rabbet of aluminium profiles or by pushing into a boring. After that you can assemble the base with our hook-and-loop tape in variable length.

ADVANTAGES

- > simple mounting without tools into popular aluminium profiles
- > variable length of the hook-and-loop tape, or already assembled with hook-and-loop tape
- > provides a tangle-free and protective cable installation

- > reusable
- > cable bundles can be extended easily
- > easy handling
- > reduced risk of injuries compared to use of cut off cable binders

TECHNICAL DATA

Material: Polyamid reinforced with glass fibre, self-extinguishing according to UL94-V0

ACCESSORIES

- > hook-and-loop tape on reel
- > also available assembled with tape

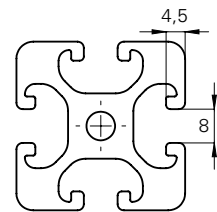
MOUNTING PROCEDURE FOR HEBOFIX BASE FOR ALUMINIUM PROFILE





HEBOFIX BASE FOR ITEM-PROFILE WITH 8 MM-RABBET

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-I8 4-20 10	3011-102	clamping range 4-20 mm, hook-and-loop tape 75 mm und 10 mm	10
KBS-I8 8-35 20	3011-104	clamping range 8-35 mm, hook-and-loop tape 20 mm	10
KBS-I8 10-60 20	3011-106	clamping range 10-60 mm, hook-and-loop tape 20 mm	10

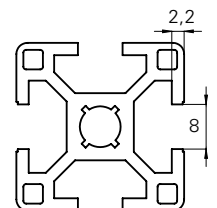


HEBOFIX BASE FOR ITEM-PROFILE WITH 8 MM-RABBET, ASSEMBLED WITH HOOK-AND-LOOP TAPE

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-I8 4-20 10	3011-102-150	clamping range 4-20 mm, hook-and-loop tape 150 x 10 mm	10
KBS-I8 8-35 20	3011-104-180	clamping range 8-35 mm, hook-and-loop tape 180 x 20 mm	10
KBS-I8 10-60 20	3011-106-200	clamping range 10-60 mm, hook-and-loop tape 200 x 20 mm	10

HEBOFIX BASE FOR BOSCH-PROFILE MIT 8 MM-RABBET

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-B8 4-20 10	3011-112	clamping range 4-20 mm, hook-and-loop tape 75 mm und 10 mm	10
KBS-B8 8-35 20	3011-114	clamping range 8-35 mm, hook-and-loop tape 20 mm	10
KBS-B8 10-60 20	3011-116	clamping range 10-60 mm, hook-and-loop tape 20 mm	10

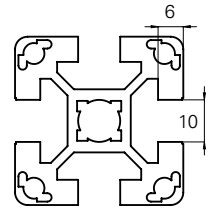


HEBOFIX BASE FOR BOSCH-PROFILE MIT 8 MM-RABBET, ASSEMBLED WITH HOOK-AND-LOOP TAPE

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-B8 4-20 10	3011-112-150	clamping range 4-20 mm, hook-and-loop tape 150 x 10 mm	10
KBS-B8 8-35 20	3011-114-180	clamping range 8-35 mm, hook-and-loop tape 180 x 20 mm	10
KBS-B8 10-60 20	3011-116-200	clamping range 10-60 mm, hook-and-loop tape 200 x 20 mm	10

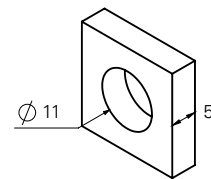


HEBOFIX BASE FOR BOSCH-PROFILE WITH 10 MM-RABBET			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-B10 4-20 10	3011-122	clamping range 4-20 mm, hook-and-loop tape 75 mm und 10 mm	10
KBS-B10 8-35 20	3011-124	clamping range 8-35 mm, hook-and-loop tape 20 mm	10
KBS-B10 10-60 20	3011-126	clamping range 10-60 mm, hook-and-loop tape 20 mm	10



HEBOFIX BASE FOR BOSCH-PROFILE WITH 10 MM-RABBET, ASSEMBLED WITH HOOK-AND-LOOP TAPE			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-B10 4-20 10	3011-122-150	clamping range 4-20 mm, hook-and-loop tape 150 x 10 mm	10
KBS-B10 8-35 20	3011-124-180	clamping range 8-35 mm, hook-and-loop tape 180 x 20 mm	10
KBS-B10 10-60 20	3011-126-200	clamping range 10-60 mm, hook-and-loop tape 200 x 20 mm	10

HEBOFIX BASE FOR EGT-PROFILE WITH 11 MM-BORING			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-EGT 4-20 10	3011-132	clamping range 4-20 mm, hook-and-loop tape 75 mm und 10 mm	10
KBS-EGT 8-35 20	3011-134	clamping range 8-35 mm, hook-and-loop tape 20 mm	10
KBS-EGT 10-60 20	3011-136	clamping range 10-60 mm, hook-and-loop tape 20 mm	10



HEBOFIX BASE FOR EGT-PROFILE WITH 11 MM-BORING, ASSEMBLED WITH HOOK-AND-LOOP TAPE			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS-EGT 4-20 10	3011-132-150	clamping range 4-20 mm, hook-and-loop tape 150 x 10 mm	10
KBS-EGT 8-35 20	3011-134-180	clamping range 8-35 mm, hook-and-loop tape 180 x 20 mm	10
KBS-EGT 10-60 20	3011-136-200	clamping range 10-60 mm, hook-and-loop tape 200 x 20 mm	10



HEBOFIX base for C-rail

PRODUCT DESCRIPTION

The base for hook-and-loop fasteners for C-rails serves as a gentle installation support of lines, cables and hoses on C-rails.

The base can be assembled by a 90° turn into C-rail profile with an 11 mm or 16 mm port. The base can be secured after tightening by a screw onto the C-rail.

ADVANTAGES

- > easy 90° mounting, secured with screw
- > variable length of the hook-and-loop tape, or already assembled with hook-and-loop tape

- > provides a tangle-free and protective cable installation
- > reusable
- > cable bundles can be extended easily
- > easy handling
- > reduced risk of injuries compared to the use of cut off cable binders

TECHNICAL DATA

Material: galvanised steel,
Polyamid reinforced with glass fibre, self-extinguishing according to UL94-V0
Polypropylene

HEBOFIX BASE FOR C-RAIL

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS 4–20 GM C11 10	3011-232	clamping range 4–20 mm, hook-and-loop tape 10 mm, C11-rail	10
KBS 8–35 GM C11 20	3011-234	clamping range 8–35 mm, hook-and-loop tape 20 mm, C11-rail	10
KBS 10–60 GM C11 20	3011-236	clamping range 10–60 mm, hook-and-loop tape 20 mm, C11-rail	10
KBS 4–20 C16 10	3011-022	clamping range 4–20 mm, hook-and-loop tape 10 mm, C16-rail	10
KBS 8–35 C16 20	3011-024	clamping range 8–35 mm, hook-and-loop tape 20 mm, C16-rail	10
KBS 10–60 C16 20	3011-026	clamping range 10–60 mm, hook-and-loop tape 20 mm, C16-rail	10
KBS 20–100 GM C11/16	3011-030	cl. r. 20–100 mm, hook-and-loop tape 30 mm, C11/C16-rail, 2 x M6	10

HEBOFIX BASE FOR C-RAIL, ASSEMBLED WITH HOOK-AND-LOOP TAPE

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
KBS 4–20 GM C11 10	3011-232-150	clamping range 4–20 mm, hook-and-loop tape 150 x 10 mm, C11-rail	10
KBS 8–35 GM C11 20	3011-234-180	clamping range 8–35 mm, hook-and-loop tape 180 x 20 mm, C11-rail	10
KBS 10–60 GM C11 20	3011-236-200	clamping range 10–60 mm, hook-and-loop tape 200 x 20 mm, C11-rail	10
KBS 4–20 C16 10	3011-022-150	clamping range 4–20 mm, hook-and-loop tape 150 x 10 mm, C16-rail	10
KBS 8–35 C16 20	3011-024-180	clamping range 8–35 mm, hook-and-loop tape 180 x 20 mm, C16-rail	10
KBS 10–60 C16 20	3011-026-200	clamping range 10–60 mm, hook-and-loop tape 200 x 20 mm, C16-rail	10
KBS 20–100 GM C11/16	3011-030-300	cl. r. 20–100 mm, hook-and-loop tape 300 x 30 mm, C11/C16-rail 2 x M6	10



HEBOFIX Maintenance box

PRODUCT DESCRIPTION

With the HEBOFIX Maintenance box, you always have the fitting HEBOFIX base and the appropriate hook-and-loop tape close at hand.

The box is equipped with HEBOFIX bases for the clamping areas 4 - 20 mm, 8 - 35 mm, 10 - 60 mm and 20 - 100 mm for direct mounting and also clamping feet for aluminium profiles.

The matching hook-and-loop tape in the widths of 7.5 mm, 10 mm, 20 mm and 30 mm on reel is also included. The hook-and-loop tape, coming in the high-quality FRT-version according to UL94-V2, can easily be cut to the desired length.

ADVANTAGES

- > all parts are clearly arranged
- > set box in sturdy workshop design
- > universally usable
- > hook-and-loop tape self-extinguishing according to UL94-V2

CONTENTS

- > HEBOFIX base with clamping foot for aluminium profiles
- > HEBOFIX base for direct mounting
- > hook-and-loop tape in the widths of 7.5 mm, 10 mm, 20 mm and 30 mm
- > mounting adapters and sliding nuts for mounting on C-rails
- > more than 350 individual parts

HEBOFIX MAINTENANCE BOXBOX

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
HEBOFIX BOX B8 B10 I8	3029-002	Maintenance Box Bosch / Item mixed	1
HEBOFIX BOX I8	3029-004	Maintenance Box Item 8 mm rabbet	1
HEBOFIX BOX B8 B10	3029-006	Maintenance Box Bosch 8 mm and 10 mm rabbet	1
HEBOFIX BOX xxx	3029-xxx	Maintenance Box customized	3



Mounting accessories for HEBOFIX base

PRODUCT DESCRIPTION

The accessories for HEBOFIX base for hook-and-loop fasteners allows mounting the base onto a variety of mounting rails.

ADVANTAGES

- > can be combined with the HEBOFIX base for hook-and-loop tape
- > self-anchoring slot nut with balls and springs
- > mounting adapter for C-rails for 90° mounting
- > clip-foot for tool-free assembly onto a 35 mm DIN rail

TECHNICAL DATA

Material: galvanised steel,
nickle-plated steel

MOUNTING ACCESSORIES FOR HEBOFIX BASE FOR HOOK-AND-LOOP TAPE

ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
C11/5 GM	3011-308	sliding nut M5 for C-rail 11 mm	10
C16/4 KBS 20	3011-204	mounting adapter for C-rail 16mm for KBS 8–35, KBS 10–60, M4	10
C16/4 HSKB 16	3011-206	mounting adapter for C-rail 16mm for KBS 4–20, M4	10
Slot nut 8, M4	3011-301	slot nut for 8 mm profile groove, M4	10
Slot nut 8, M5	3011-305	slot nut for 8 mm profile groove, M5	10
Slot nut 8, M6	3011-306	slot nut for 8 mm profile groove, M6	10
Clip foot M4	1030-020	clip foot for 35 mm DIN rail, M4	25
Clip foot M5	1030-022	clip foot for 35 mm DIN rail, M5	25



Hook-and-loop fastener

PRODUCT DESCRIPTION

The hook-and-loop fastener is used for a safe and gentle attachment of pipes, cables and hoses. The fastener is available for direct mounting with an M5-screw or for a second use with integrated clamp mechanism for profiles with a 10 mm slot width.

ADVANTAGES

- > self-extinguishing fasteners according to UL94-V2
- > cable bundles can be extended easily

- > easy handling
- > reduced risk of injuries compared to the use of cut off cable binders

TECHNICAL DATA

Material: base made of polyamide, reinforced with glass fibre
hook-and-loop tape self-extinguishing, according to UL94-V2

HOOK-AND-LOOP FASTENER			
ITEM DESCRIPTION	ORDER NO.	DIMENSION	PU
KBH 6-20	3010-001	clamping range 6-20 mm	10
KBH 6-35	3010-002	clamping range 6-35 mm	10
KBH 6-60	3010-003	clamping range 6-60 mm	10
KBHP 6-20	3010-004	clamping range 6-20 mm, for profile slot 10 mm	10
KBHP 6-35	3010-005	clamping range 6-35 mm, for profile slot 10 mm	10
KBHP 6-60	3010-006	clamping range 6-60 mm, for profile slot 10 mm	10



Clip foot for 35 mm DIN rail

PRODUCT DESCRIPTION

The clip foot can be snapped onto a 35 mm DIN rail without the use of tools.

A small slot screwdriver suffices to dismantle the shield clamp.

The clip foot serves as a universal multi-equipment carrier for assembly on 35 mm DIN rails. It is available in single and double design, also with various bore diameters and threads.

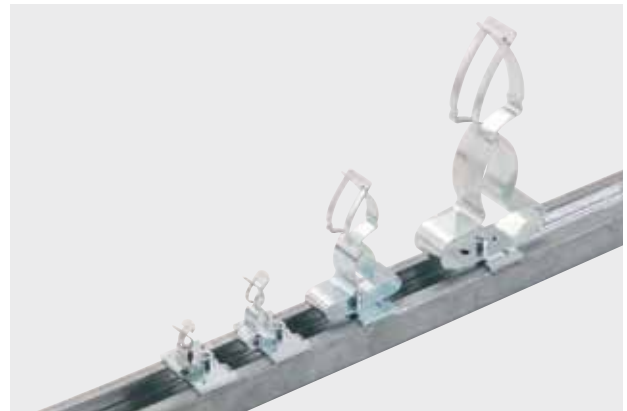
ADVANTAGES

- > high clamping forces
- > high conductance
- > suitable clip foot for each individual application

TECHNICAL DATA

Material: nickle-plated spring steel

CLIP FOOT FOR 35 MM DIN RAIL			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
Clip foot M4	1030-020	with thread boring for M4	25
Clip foot 4	1030-021	with boring 3.9 mm	25
Clip foot M5	1030-022	with thread boring for M5	25
Clip foot double M4	1030-025	double, with thread boring for M4	25
Clip foot double M5	1030-026	double, with thread boring for M5	25



Mounting adapter for C-rail

PRODUCT DESCRIPTION

The mounting adapter serves as a universal device carrier for mounting onto C-rails. It can be used by a 90° turn into the C-rail profile with a 16 mm port. The mounting adapter can be secured after tightening an M4 screw onto the C-rail. In connection with HEBOTEC-products, the mounting adapter is available with the appropriate safety non-twisting protection.

ADVANTAGES

- > easy 90° turn mounting
- > high conductivity
- > good contact surface on the C-rail
- > twist-protection available

TECHNICAL DATA

Material: galvanised steel

MOUNTING ADAPTER FOR C-RAIL			
ITEM DESCRIPTION	ORDER NO.	DETAILED DESCRIPTION	PU
C16/4	3011-202	without twist-protection, M4	10
C16/4 KBS 20	3011-204	with twist-protection for KBS 8–35, KBS 10–60, -M4	10
C16/4 HSKB 16	3011-206	with twist-protection for shield clamp Big HSKB 16–35, KBS 4–20, M4	10
C16/4 HSKB 35	3011-208	with twist-protection for shield clamp Big HSKB 35–65, M4	10
C16/4 SKD	3011-210	with twist-protection for shield clamp SKD, SKDZ, M4	10

Für Ihre Notizen

A large grid area for taking notes, consisting of 20 columns and 30 rows of small squares.

REPRESENTED BY



HEBOTEC

HEBOTEC GmbH
Ulrichstraße 25
72116 Moessingen
Germany

fon +49 (0) 74 73 – 95 346-0
fax +49 (0) 74 73 – 95 346-99
mail info@hebotec.de
internet www.hebotec.de