

Connection Panels
Installation
LanLight®
Custom Modules
Media Tech



Facility systems

System solutions for office, conference and training rooms

Bachmann Facility Systems

Plug into a world of opportunities

With Bachmann facility systems, you can be sure of having access to the best connectors and connections wherever you are in the world. Our systems are configurable with all standard international socket outlets and data connections. Modules can be retrofitted or interchanged quickly and easily.

In short, when it comes to energy and data management systems that are fit for the future, Bachmann maximises your options.

There are however two areas in which we offer no flexibility: in our high-quality design and consistent quality.

Connection Panels



SLIDE	4
Opens and closes via control. When the unit is closed, the cut-out in the desk or table is flush with the surface and items can be placed on top of it. Features torque limitation.	
CONFERENCE	6
Practical power and data supply. Recessed in the top of the desk or table when not in use. Simply press down with your thumb to open the unit. Features a spring clip, can be closed once cables have been connected.	
TOP FRAME	10
TOP FRAME is the new power and data supply solution for conference facilities. Thanks to the completely recessable cover, power and data can be conveniently accessed from any seat around the conference table.	
CONI	16
Unrestricted access to power and data supply from the comfort of a desk or table. Integrated into your desk together with connected cables. The integrated brush insert prevents cables jamming.	
CONI COVER	22
A refined approach to accessing separate power supply units underneath desks and tables. Also ideal for retrofitting. Features integrated brush insert, can be closed even after devices have been plugged in.	
LIFT	24
A practical combination of sophisticated design and high-precision mechanics. Recessed in the top of the desk or table when not in use. Simply touch to raise. Docking options on four sides.	
POWER FRAME	28
Integrated power and data connection for workstations. Versatile application options. The power strip simply clicks into the built-in frame.	
DESK	32
Ideal wherever workstation flexibility is required. Modular design for individual configuration of communication and power supply connections. Fixed or free-standing installation.	
STEP	38
For flexible power and data supply at workstations, in partition systems, sill-type trunking, false floors, etc. Consistent modularity means that the possibilities are virtually endless.	

Custom Modules

CUSTOM MODULE 44

Wherever CUSTOM appears in this catalogue, you can be sure of finding modules which can be interchanged with maximum flexibility. CUSTOM MODULES for data, video and audio connections can be adapted to provide a perfect fit for the individual requirements of Bachmann facility systems.



Media Technology

Media Express 74

Plug-and-play for simplicity and efficiency

Media Switch 82

Flexible and reliable thanks to high-quality components

Media Control 88

Simple control of complex processes in media and facility applications



LanLight[®], the Smart Supply System

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Modular installation solution for flexible supplies to office workstations

Basic unit and inserts 102

Connecting plates for power and data

Lift cover 104

Modern floor boxes for dry-cleaned floors

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Mobile towers for power and data distribution in raised and false floors



Consolidation Points

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Underfloor distributors for power and data technology.



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SLIDE

Functionality at the touch of a button

SLIDE opens and closes at the touch of a button. When the unit opens, the integrated electronics push the cut-out in the desk or table down and underneath its surface. For unrestricted access to power and data supply modules. When the unit is closed, the cut-out in the desk or table is flush with the surface and items can be placed on top of it, making for a very practical solution.

Electronically controlled torque limitation protects users and cables. There is no risk of fingers or power supply cables getting trapped or crushed. SLIDE is available in various configurations and power strips are easily interchangeable.

SLIDE – the unobtrusive way of making functions available when they are needed. Simply at the touch of a button.

The advantages at a glance

- Opens and closes at the touch of a button
- Loadable when closed
- Fully integrated into the top of your desk or table
- Torque limitation ensures safety
- Power strip can be interchanged easily

In-desk system

Art. no. | Version

SLIDE housing**Black**

- 913.000
- Module for mounting in desk or table systems
 - Ready-to-use incl. motion mechanism, control electronics and mounting accessories
 - Incl. mounting frame for 2 power strips, short (see page 18)
 - Incl. stainless steel button with 2.0 m control cable and connecting plug to control the SLIDE
 - Suitable for installation in desk or table tops (thickness must be adapted to 8 mm)
 - Incl. drawing of cut-out for preparation of tabletop
 - Dimensions (L x W x H): approx. 725 x 340.5 x 70.3 mm

SLIDE housing illuminated**Black**

- 913.005
- Mounting frame for fitting in desk or table systems
 - Ready-to-use incl. motion mechanism, control electronics and mounting accessories
 - With 2 blue LED striplights that light in open state
 - Incl. mounting frame for 2 power strips, short (see page 18)
 - Incl. stainless steel button with 2.0 m control cable and connecting plug to control the SLIDE
 - Suitable for installation in desk or table tops (thickness must be adapted to 8 mm)
 - Incl. drawing of cut-out for preparation of tabletop
 - Dimensions (L x W x H): approx. 725 x 340.5 x 70.3 mm



You will find power strips suitable for Slide, Conference and Top Frame on page 14



SLIDE – a user-friendly solution even at installation stage.

All set for rapid mounting

The SLIDE module screws onto the underside of the top of your desk or table. The screw fixtures are designed for tops 20 mm thick. If the top of your desk or table is more than 20 mm thick, you will need to mill an additional 20 mm around the SLIDE module.

The dimensions of the moving cut-out in the desk or table are approx. (Lx W) 301 x 236 mm.

The built-in frame for the socket outlets is attached to the SLIDE module using the screws included in the scope of supply. Power strips (short version) can also be attached to this built-in frame and interchanged if required. You will find power strips on page 18.

Sealed cables can also be supplied.

The SLIDE module's moving carriage is opened and closed using a push-button. The carriage itself has an "elongated slot" so that cables can be routed even when the unit is closed. When making the cut-out in the desk or table, customers can decide whether or not to include this recess in its surface.

Electronics for safety

As soon as a resistance is felt by the moving "carriage", the electronics will bring it to a halt. This prevents fingers and cables getting trapped, avoiding possible injuries or damage.

Ideal for use in conference and training desks and tables and high-grade workstations alike, CONFERENCE is a truly refined and discreet solution for access to power and data supplies.

When not in use, CONFERENCE is hidden in the top of the desk or table. Should you need power or data, simply press down on the unit with your thumb to release the magnetic catch holding down the opening flap covering the connections. If you are using a notebook, projector, microphone or similar, you will be able to close the flap once the you have plugged your unit in. The cables are accommodated by the narrow closing flap opposite – nothing get squashed and the elegant appearance of the desk or table is retained.

CONFERENCE built-in frames are available both for retrofitting and for flush-mounting in the tops of desks and tables. In the case of installation underneath a desk or table, the opening and closing flaps are flush with the top of the desk or table. As we can supply flaps on request in virtually every coating imaginable and even ready for veneer finishing, CONFERENCE is able to meet the most stringent of requirements in terms of design elegance and configuration harmony.

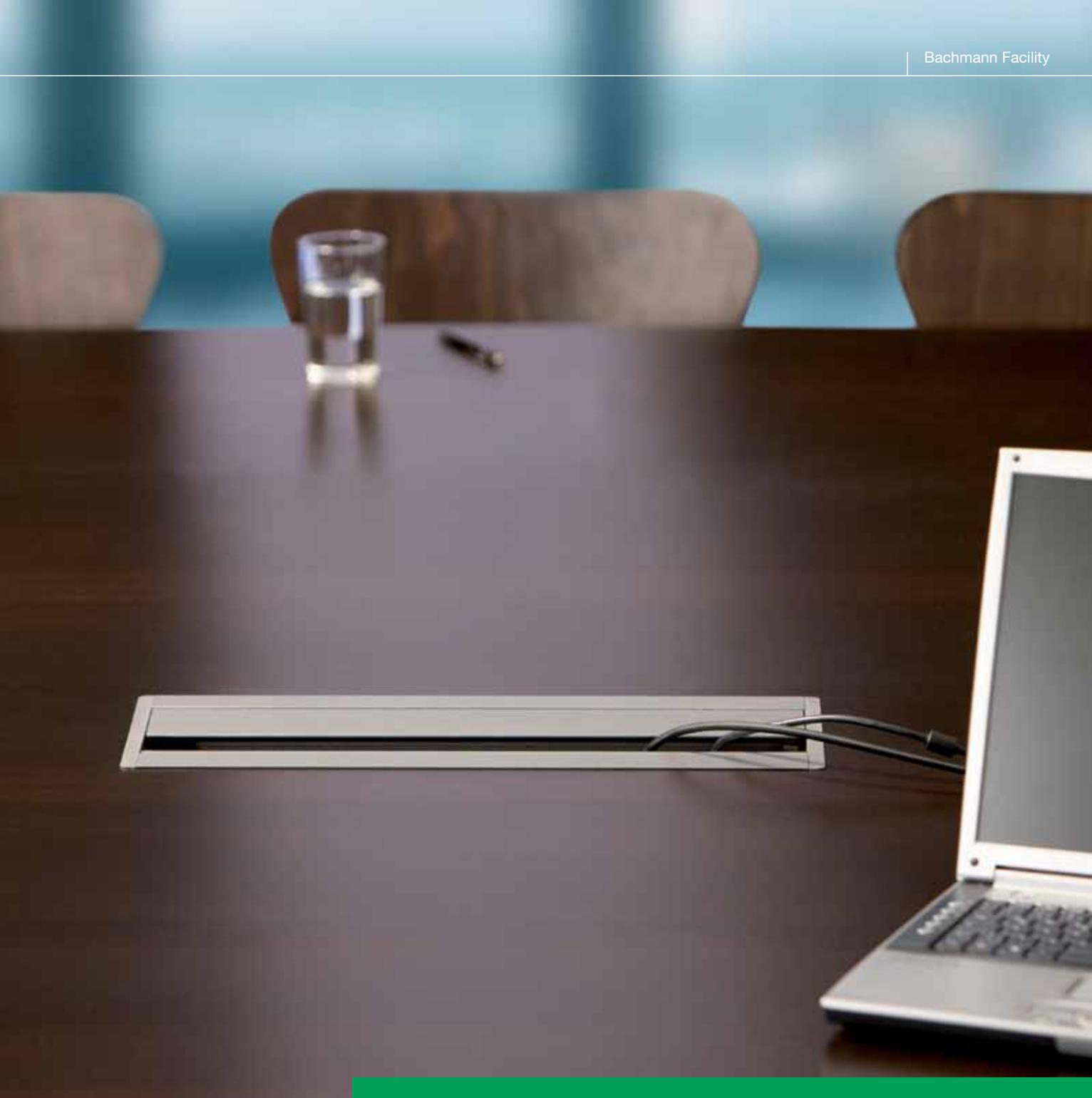
CONFERENCE data connections can be configured in accordance with customer specifications. Power strips can also be interchanged quickly and without the need for tools at any time. Maximum functionality and top-end design can therefore be adapted to advancements in communication technology for many years to come.

The advantages at a glance

- Integrated into the top of your desk or table
- Simply press with your thumb to open
- Flap can be closed once cables have been connected
- For retrofitting and flush-mounting
- Fits flush with the tabletop
- Suitable for veneer finishing
- Configuration can be freely selected
(see custom modules from page 61 onwards)
- Complete power strip can be quickly interchanged



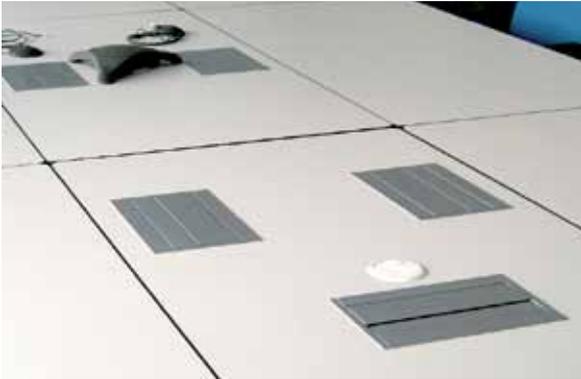
Simply press with your thumb to open CONFERENCE. Thanks to its flexible closing flap, the unit can even be closed once devices have been plugged in without crushing the cables.



CONFERENCE

Setting a design standard.

CONFERENCE – as versatile as you need.



The dimensions of the cut-out are included in the frame packaging materials. They are also available by e-mail or can be downloaded from www.bachmann.com

Simple built-in frame fitting

The built-in frame is very easy to install – only standard tools are required. Simply make a right-angled cut-out in the top of your desk or table.

Built-in frame for underneath a desk or table

Conference under-table mounting frames (frameless) are fitted from the underside of the tabletop. Thus only the pivoting flaps are visible on the tabletop. The drawings containing the special details of the table cut-out are supplied with the unit or can be downloaded from www.bachmann.com. If required, the flaps can be removed from the frame by means of the integrated bayonet catch. A suitable veneer to match the finish of the tabletop can then also be glued to the flaps (not processed ex works).



Power strip simply clicks into place

The power strip is not supplied with the built-in frame and must be ordered separately. It simply clicks into the built-in frame (tools are not required). Since the power strip can be interchanged at any time, the user is guaranteed long-term flexibility and can be sure that the products purchased are fit for the future.

Built in frame

CONFERENCE built-in frame

- Chamfered side panels, can be flush-mounted on desk or table surface
- Incl. quick-change mechanism for swapping power strips
- Incl. fixing claws and fitting instructions with cut-out dimensions

Art. no. | Version

CONFERENCE built-in frame, long **Moonstone metallic**
 338.0200 | · Outer dimensions: 467 x 183 mm, built-in dimensions: 452 x 170 mm, built-in depth: 110 mm

CONFERENCE built-in frame, short **Moonstone metallic**
 338.0201 | · Outer dimensions: 286 x 183 mm, built-in dimensions: 271 x 170 mm, built-in depth: 110 mm

CONFERENCE built-in frame, long **RAL9006, silver-grey**
 338.0221 | · Outer dimensions: 467 x 183 mm, built-in dimensions: 452 x 170 mm, built-in depth: 110 mm

CONFERENCE built-in frame, short **RAL9006, silver-grey**
 338.0219 | · Outer dimensions: 286 x 183 mm, built-in dimensions: 271 x 170 mm, built-in depth: 110 mm

CONFERENCE built-in frame, long **Chrome effect paint finish**
 338.0212 | · Outer dimensions: 467 x 183 mm, built-in dimensions: 455 x 170 mm, built-in depth: 110 mm

CONFERENCE built-in frame, short **Chrome effect paint finish**
 338.0210 | · Outer dimensions: 285 x 183 mm, built-in dimensions: 273 x 170 mm, built-in depth: 110 mm



CONFERENCE built-in frame for underneath a desk or table

Art. no. | Version

CONFERENCE built-in frame for underneath a desk or table, long **RAL9006, silver-grey**
 338.0230 | · Dimensions (visible surface): approx. 448 x 135 mm, built-in depth: approx. 107 mm

CONFERENCE built-in frame for underneath a desk or table, short **RAL9006, silver-grey**
 338.0231 | · Dimensions (visible surface): approx. 267 x 135 mm, built-in depth: approx. 107 mm



You will find power strips suitable for Slide, Conference and Top Frame on page 14

TOP FRAME is the new power and data supply solution for conference facilities. Thanks to the foldaway cover, power and data can be conveniently accessed from any seat around the conference table. The balanced geometry of TOP FRAME fits elegantly into the tabletop, so tables or desks can even be fitted with high-quality veneers.

TOP FRAME is also elegantly simple to open: just press lightly with a finger and it opens and closes again – silently.

With its surround frame, TOP FRAME is also suitable for retrofitting. The power strips can be interchanged in a flash and can be equipped with Bachmann's flexible custom modules.

TOP FRAME is available in various versions: in EV1 anodised aluminium or powder-coated in RAL 9006. Other surface finishes are available on request. A veneer of up to 0.6 mm can also be glued to the flap without the dimensions of the cut-out having to be changed.

The power strip clips into the installation frame without the need for tools. There is a short version with 4 modules and a long version with 8 modules to suit both TOP FRAME solutions.

- The advantages at a glance**
- Access to power supply and data from any seat
 - Opens silently
 - Integrated into the top of your desk or table
 - Fits flush with the tabletop
 - Version with surround frame suitable for retrofitting
 - Suitable for veneer finishing
 - Configuration can be freely selected
 - Complete power strip can be quickly interchanged



TOP FRAME opens silently and can also be conveniently operated from the seat opposite.



TOP FRAME

Perfect elegance

TOP FRAME BUILT-IN FRAME FOR MOUNTING BELOW TABLE OR DESK

· Including fixing accessories

Art. no. | Version



TOP FRAME **EV1 anodised**

Frameless, short – for 4-way power socket

- | | |
|---------|--|
| 925.000 | <ul style="list-style-type: none"> · Anodised EV1 aluminium flap, black powder-coated housing · Dimensions (L x W x H): approx. 300 x 87.5 x 98 mm |
|---------|--|



TOP FRAME **EV1 anodised**

Frameless, long – for 8-way power socket

- | | |
|---------|--|
| 925.001 | <ul style="list-style-type: none"> · Anodised EV1 aluminium flap, black powder-coated housing · Dimensions (L x W x H): approx. 482.5 x 87.5 x 98 mm |
|---------|--|



TOP FRAME **RAL 9006**

Frameless, short – for 4-way power socket

- | | |
|---------|--|
| 925.002 | <ul style="list-style-type: none"> · Aluminium flap RAL 9006, black powder-coated housing · Dimensions (L x W x H): approx. 300 x 87.5 x 98 mm |
|---------|--|



TOP FRAME **RAL 9006**

Frameless, long – for 8-way power socket

- | | |
|---------|--|
| 925.003 | <ul style="list-style-type: none"> · Aluminium flap RAL 9006, black powder-coated housing · Dimensions (L x W x H): approx. 300 x 87.5 x 98 mm |
|---------|--|

TOP FRAME BUILT-IN FRAME FOR MOUNTING ON THE TABLETOP

· Including fixing accessories

Art. no. | Version

TOP FRAME **RAL 9006**

Asymmetrical surround frame, short – for 4-way power strip

- 925.500
- Aluminium flap RAL 9006, black powder-coated housing
 - Dimensions (L x W x H): approx. 341 x 162 x 98 mm



TOP FRAME **RAL 9006**

Asymmetrical surround frame, long – for 8-way power socket

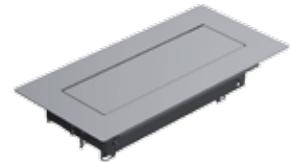
- 925.501
- Aluminium flap RAL 9006, black powder-coated housing
 - Dimensions (L x W x H): approx. 523 x 162 x 98 mm



TOP FRAME **RAL 9006**

Symmetrical surround frame, short – for 4-way power strip

- 925.800
- Aluminium flap RAL 9006, black powder-coated housing
 - Dimensions (L x W x H): approx. 400 x 177 x 98 mm



TOP FRAME **RAL 9006**

Symmetrical surround frame, long – for 8-way power socket

- 925.801
- Aluminium flap RAL 9006, black powder-coated housing
 - Dimensions (L x W x H): approx. 583 x 177 x 98 mm



You will find power strips suitable for Slide, Conference and Top Frame on the next two pages

Power strips

See glossary for country-specific information

Supply lines and Custom Modules are available separately

Art. no. | Version



CUSTOM		4-way: 3x custom modules + power socket outlet	Length: approx. 260 mm
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
	909.002	· 1 black socket outlet with earthing contact, set at 35°	
	909.025	· 1 child-proof French / UTE socket outlet, black, set at 35°	
	909.028*	· 1 Swiss / CH socket outlet, black, set at 0°	
	909.065*	· 1 Italian / earth contact combination, black, set at 35°	



CUSTOM		4-way: 2x custom modules + power socket outlets	Length: approx. 260 mm
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
	909.003	· 2 black socket outlets with earthing contact, set at 35°	
	909.010	· 2 child-proof French / UTE socket outlets, black, set at 35°	
	909.017	· 2 Swiss / CH socket outlets, black, set at 0°	
	909.029*	· 2 Italian / earth contact combination, black, set at 35°	



CUSTOM		4-way: 1x custom module + power socket outlets	Length: approx. 260 mm
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
	909.004	· 3 black socket outlets with earthing contact, set at 35°	
	909.011	· 3 child-proof French / UTE socket outlets, black, set at 35°	
	909.018	· 4 Swiss / CH socket outlets, black, set at 0°	
	909.058*	· 3 Italian / earth contact combination, black, set at 35°	
	909.021	· 2 UK 5A individually fused, child-proof 90°	



CUSTOM		4-way: 4x custom modules	Length: approx. 260 mm
Anodised aluminium profile; without power connection			
	909.000	· without socket outlets	

Power strips

See glossary for country-specific information

Supply lines and Custom Modules are available separately

Art. no. | Version

8-way: 6x custom modules + power socket outlet Length: approx. 444 mm **CUSTOM**

Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
909.005	· 2 black socket outlet with earthing contact, set at 35°		
909.012	· 2 child-proof French / UTE socket outlet, black, set at 35°		
909.033*	· 2 Swiss / CH socket outlet, black, set at 0°		

8-way: 5x custom modules + power socket outlet Length: approx. 444 mm **CUSTOM**

Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
909.006	· 3 black socket outlet with earthing contact, set at 35°		
909.013	· 3 child-proof French / UTE socket outlet, black, set at 35°		
909.023*	· 2 UK 5A individually fused, child-proof 90°		

8-way: 4x custom modules + power socket outlet Length: approx. 444 mm **CUSTOM**

Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
909.007	· 4 black socket outlet with earthing contact, set at 35°		
909.014	· 4 child-proof French / UTE socket outlet, black, set at 35°		
909.019	· 5 Swiss / CH socket outlets, black, set at 0°		
909.050*	· 4 Italian / earth contact combination, black, set at 35°		

8-way: 3x custom modules + power socket outlet Length: approx. 444 mm **CUSTOM**

Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
909.008	· 5 black socket outlet with earthing contact, set at 35°		
909.015	· 5 child-proof French / UTE socket outlet, black, set at 35°		
909.020	· 6 Swiss / CH socket outlets, black, set at 0°		
909.022*	· 4 UK 5A individually fused, child-proof 90°		

8-way: 2x custom modules + power socket outlet Length: approx. 444 mm **CUSTOM**

Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket			
909.009	· 6 black socket outlet with earthing contact, set at 35°		
909.016	· 6 child-proof French / UTE socket outlet, black, set at 35°		

8-way: 8x custom modules Length: approx. 444 mm **CUSTOM**

Anodised aluminium profile; without power connection			
909.001	· without socket outlets		

CONFERENCE guide rail set

Art. no. | Version

CONFERENCE guide rail set Black

For power strips (pages 18 – 19)	
940.099	· Guide rail, plastic, black · Incl. 2 countersunk head screws 2.9 x 13 mm with torx to DIN 7982



CONI brings flexibility to the desktop, for example in conference and training rooms. CONI facilitates unrestricted individual access to power, media and data supplies from the comfort of a desk or table. The products' minimum built-in depth ensures that there is no restriction on leg movement underneath the desk or table, even in the event of installation close to the edge. Furthermore, a wide and varied range of standard surface finishes ensure the necessary design freedom.

When not in use, CONI is integrated into the surface of the desk or table. Should you need power, data or media, simply open the cover, plug into a socket and close the cover again. The integrated brush insert prevents cables jamming. The harmonious appearance of an "even" table is retained.

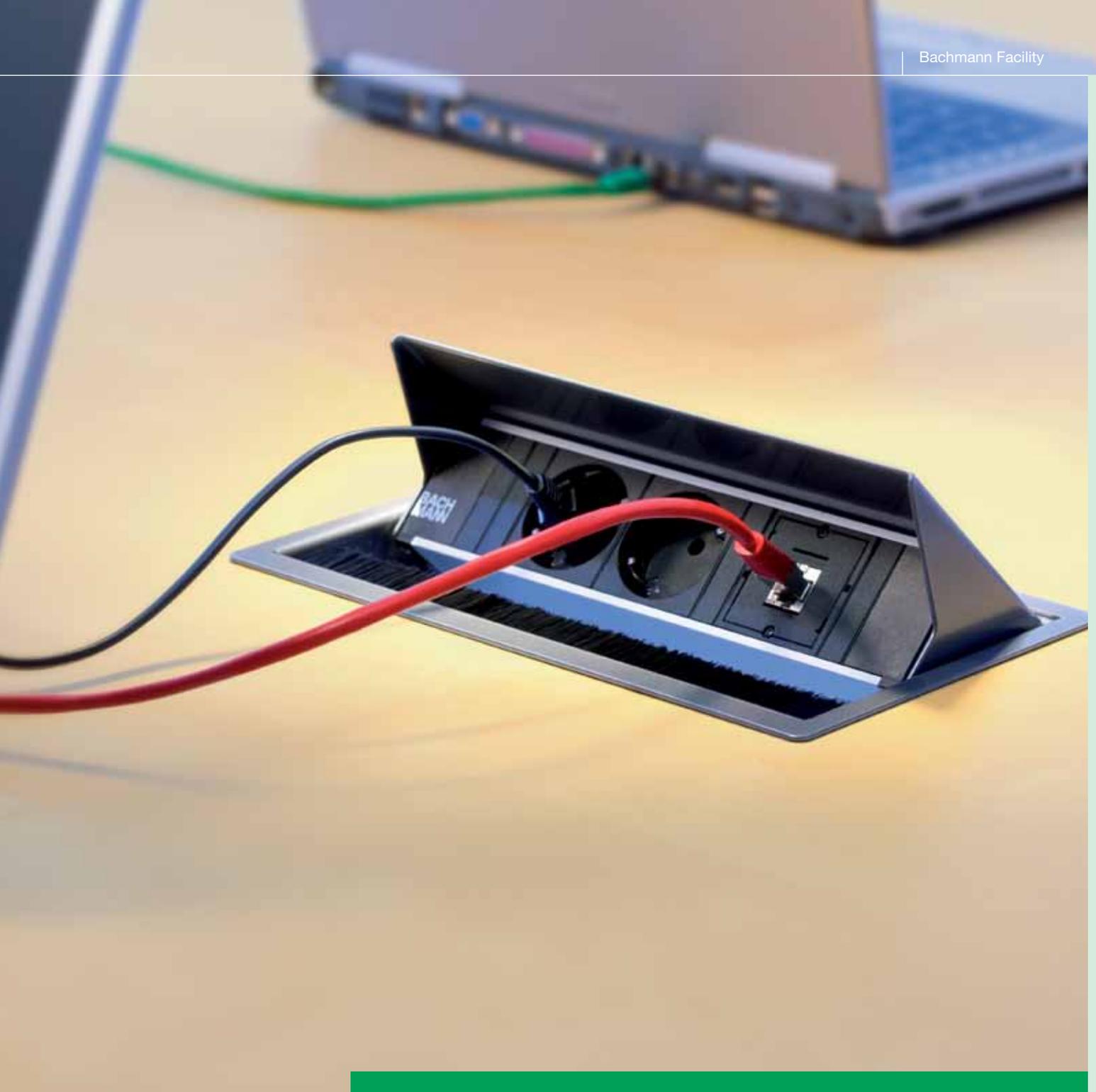
CONI data connections can be configured in accordance with customer specifications (see custom modules from page 61 onwards). Power strips can also be interchanged quickly and without the need for tools at any time. Integrated functionality and flexibility not just for today but also for the advancements of tomorrow.

The advantages at a glance

- Integrated into the top of your desk or table
- Minimum built-in depth, robust frame design
- Integrated brush insert for closing once cables have been connected
- Configuration can be freely selected (see custom modules from page 61 onwards)
- Complete power strip can be quickly interchanged
- Suitable for retrofitting



CONI provides unrestricted access to power, media and data supplies. Thanks to the integrated brush insert, the cover can be closed once devices have been connected without jamming the cables.



CONI

Integrated functionality

CONI

Built in frame

CONI built-in frame, short and long version

The built-in depth is 56 mm, suitable for desk or table top thickness as of 10 mm. R5 corner radius facilitates flush mounting in desks or tables.

The brush strips can easily be replaced with colour strips; no tools are required. Simply remove the built-in frame from the top of the desk or table and unscrew the 3 re-usable plastic rivets.



CONI built-in frame short
Outer dimensions: 248 x 151 mm
Built-in dimensions: 237 x 139 mm

CONI built-in frame long
Outer dimensions: 387 x 151 mm
Built-in dimensions: 375 x 139 mm



Art. no.	Version	
CONI short		Silver-grey
338.0203	· Silver-grey similar to RAL9006	



CONI long		Silver-grey
338.0205	· Silver-grey similar to RAL9006	

CONI short		Anthracite
338.0204	· Anthracite	

CONI long		Anthracite
338.0206	· Anthracite	



CONI short		Chrome-plated
338.0214	· Chrome-plated	

CONI long		Chrome-plated
338.0227	· Chrome-plated	



CONI short		Satin white
911.000	· Satin white RAL9010	

CONI long		Satin white
911.001	· Satin white RAL9010	



CONI short		Black
911.002	· Black RAL9005	

CONI long		Black
911.003	· Black RAL9005	



CONI short		Stainless steel
911.004	· Ground stainless steel	

CONI long		Stainless steel
911.005	· Ground stainless steel	

Mounting

CONI bracket

- For mounting CONI socket outlets without using a built-in frame, can be installed underneath the top of a desk or table in a cable tray, for example. Standard spax screws (which can be purchased from all good retailers) are required for mounting.
- Takes account of the rear-side outgoing feeder and bending radii of power and data connections.

Art. no. | Version

CONI mounting high

918.002	<ul style="list-style-type: none"> · Black · 2 items in plastic bag · Distance between socket outlet profile and floor: 30 mm distance between floor and top edge · Power strip: 74 mm
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CONI holder

- For optional mounting on CONI mounting frame (short and long version)
- Allows excess lengths of cable to be stowed when plugged in
- Easy to fit by hooking into mounting frame which is already fitted using the plastic rivets provided.
- Small extra built-in depth of approx. 20 mm in addition to built-in depth of mounting frame

Art. no. | Version

CONI holder

911.910	· Version for Coni mounting frame, short
911.913	· Version for Coni mounting frame, long



CONI brushes

Art. no. | Version

CONI brush strip short

911.900	· Red
911.901	· Blue
911.902	· White
911.903	· Yellow
911.904	· Black

CONI brush strip long

911.905	· Red
911.906	· Blue
911.907	· White
911.908	· Yellow
911.909	· Black



CONI

Power strips

See glossary for country-specific information

Supply lines and Custom Modules are available separately

	Art. no.	Version
	CUSTOM 3-way: 2x custom modules + power socket outlet Length: approx. 217 mm	
	Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug	
		912.002 · 1 black socket outlet with earthing contact, set at 35°
		912.009 · 1 child-proof French / UTE socket outlet, black, set at 35°
		912.016 · 1 Swiss / CH socket outlet, black, set at 0°
	912.0055* · 1 Italian / earth contact combination, black, set at 35°	
	CUSTOM 3-way: 1x custom module + power socket outlets Length: approx. 217 mm	
	Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug	
		912.003 · 2 black socket outlets with earthing contact, set at 35°
		912.010 · 2 child-proof French / UTE socket outlets, black, set at 35°
		912.015 · 3 Swiss / CH socket outlets, black, set at 0°
		912,037* · 1 black socket outlet with earthing contact, set at 35°, · 1 Swiss / CH socket outlet, black, set at 0°
	912,045* · 2 UK 5A individually fused, child-proof 90°	
	CUSTOM 3-way: 1x custom module + power socket outlets, black and red Length: approx. 217 mm	
	Anodised aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST18i3 plug (black)	
	912,023*	· 1 black socket outlet with earthing contact, set at 35° · 1 socket outlet with earthing contact, red, set at 35°
	3-way: 2x CAT5e + power outlet sockets Length: approx. 217 mm	
	Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug	
	333.1008	· 2 black socket outlets with earthing contact, set at 35° · 2 CAT5e RJ45, front: socket / rear: socket
	3-way: Power socket outlets Length: approx. 217 mm	
	Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug	
	333.1007	· 3 black socket outlets with earthing contact, set at 35°
	CUSTOM 3-way: 3x custom modules Length: approx. 217 mm	
	Anodised aluminium profile; without power connection	
	912.000	without socket outlets

Power strips

See glossary for country-specific information

Supply lines and Custom Modules are available separately

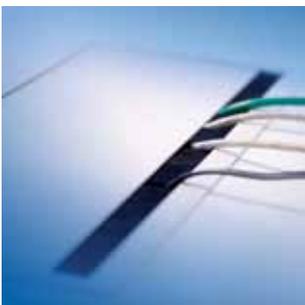
Art. no.	Version		
6-way: 5x custom modules + power socket outlet		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug			
912.004	· 1 black socket outlet with earthing contact, set at 35°		
6-way: 4x custom modules + power socket outlet		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug			
912.005	· 2 black socket outlet with earthing contact, set at 35°		
912.011	· 2 child-proof French / UTE socket outlet, black, set at 35°		
912.017	· 3 Swiss / CH socket outlets, black, set at 0°		
6-way: 3x custom modules + power socket outlet		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug			
912.006	· 3 black socket outlets with earthing contact, set at 35°		
912.012	· 3 child-proof French / UTE socket outlets, black, set at 35°		
912.018	· 4 Swiss / CH socket outlets, black, set at 0°		
912.022*	· 3 UK 5A individually fused, child-proof 90°		
6-way: 2x custom modules + power socket outlet		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug			
912.007	· 4 black socket outlets with earthing contact, set at 35°		
912.013	· 4 child-proof French / UTE socket outlet, black, set at 35°		
912.019	· 5 Swiss / CH socket outlets, black, set at 0°		
912.035*	· 1 black socket outlet with earthing contact, set at 35° · 3 Swiss / CH socket outlet, black, set at 0°	 	
6-way: 1x custom module + power socket outlet		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; power input: 0.1m cable and GST18i3 plug			
912.008	· 5 black socket outlets with earthing contact, set at 35°		
912.014	· 5 child-proof French / UTE socket outlet, black, set at 35°		
912.021*	· 4 UK 5A individually fused, child-proof 90°		
6-way: 1x custom module + power socket outlet, black and red		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST18i3 plug (black)			
912.024	· 1 black socket outlet with earthing contact, set at 35° · 2 socket outlets with earthing contact, red, set at 35°		
6-way: 2x custom module + power socket outlet, black and red		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST18i3 plug (black)			
912.025	· 2 black socket outlets with earthing contact, set at 35° · 2 socket outlets with earthing contact, red, set at 35°		
6-way: 6x custom module		Length: approx. 356 mm	CUSTOM
Anodised aluminium profile; without power connection			
912.001	without socket outlets		

* No storage type



CONI COVER

Easy access



CONI COVER provides a refined means of accessing separate power supply units or standard cable installation systems underneath the tops of desks and tables. It is an ideal solution, for example, for desks and tables with built-in cable ducts. CONI COVER can of course also be retrofitted to existing equipment.

To access the connections underneath the top of the desk or table, simply open the CONI COVER cover. Thanks to the integrated brush insert, the cover can even be closed again once the devices have been connected. The harmonic appearance of an "even" table is retained.

CONI COVER, the refined cover for practical solutions – access couldn't be easier!

The advantages at a glance

- Compatible for universal use with all types of duct and furniture
- Ideal for retrofitting
- Integrated brush insert for closing even once cables have been connected

Built in frame

CONI COVER built-in frames are available in short and long versions. R5 corner radius facilitates flush mounting in desks or tables. The built-in depth of 24 mm is suitable for a minimum desk or table top thickness of 16 mm. Fixing to the tabletop is with 4 screws. These are screwed on from the inside through the corresponding holes on the long sides of the built-in frame. Fitting instructions and cut-out dimensions are supplied with the unit.

CONI COVER built-in frame short

Outer dimensions: 248 x 149 mm

Built-in dimensions: 229 x 136 mm

CONI COVER built-in frame long

Outer dimensions: 387 x 149 mm

Built-in dimensions: 368 x 136 mm

Art. no. | Version

CONI COVER short | **Silver-grey**

338.0081 | · Sheet steel silver-grey RAL9006 (similar)

CONI COVER long | **Silver-grey**

338.0080 | · Sheet steel silver-grey RAL9006 (similar)

CONI COVER short | **Satin white**

911.500 | · Satin white RAL9010

CONI COVER long | **Satin white**

911.501 | · Satin white RAL9010

CONI COVER short | **Black**

911.502 | · Black RAL9005

CONI COVER long | **Black**

911.503 | · Black RAL9005



CONI COVER and STEP. The expansion-compatible combination.

Since the STEP power strips are modular by design, you have at your fingertips everything you need for a very specific tailor-made power and data supply. CONI COVER and its integrated brush insert provide a means of accessing power and data supplies which is both rapid and refined. For STEP see from page 46.



Easy access to all power supply units located underneath the top of the desk or table. These might include modular STEP power strips, for example.

LIFT is the totally practical combination of sophisticated design and high-precision mechanics. The unit is recessed neatly in the top of the desk or table when not in use. Simply touch to raise out of the desk or table ready for docking on all four sides. Once you have finished using the LIFT unit, simply push it back into its initial recessed position by hand.

LIFT can be supplied in a variety of power and data connection configurations. The most compact unit needs a drill hole just 140 mm in diameter for installation. In both the closed and open states, the unit's built-in depth is only 195 mm.

By setting cutting-edge technology in motion, LIFT is making power and data supply a truly enjoyable experience.

The advantages at a glance

- Simply touch to raise.
- Design that can't fail to impress
- Access points on four sides
- Incredibly compact dimensions
- Low built-in depth
- 4 plug-in units per height unit



Simply touch to raise and lower LIFT. The unit has connection points on four sides and can be supplied in a variety of power and data connection configurations.



LIFT

High-tech in motion

LIFT

Socket tower



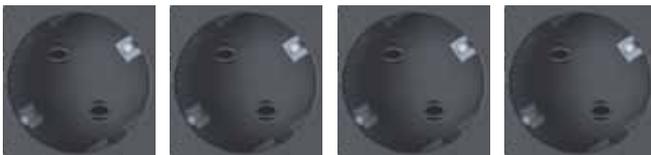
Enclosure colour black

Art. no. | Version

LIFT: Power socket outlets

Enclosure colour black; power input: 0.5m cable and GST18i3 plug

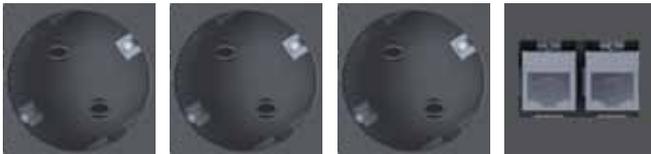
	904.000	· 4 black socket outlets with earthing contact, set at 35°
	904.004	· 4 child-proof French / UTE socket outlets, black, set at 35°
	904.024*	· 4 Swiss / CH socket outlets, black, set at 0°
	904.020*	· 4 UK 5A individually fused, child-proof, set at 45°



LIFT: 2xCAT6 + power outlet sockets

Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug

	904.001	· 3 black socket outlets with earthing contact, set at 35°
	904.005	· 3 child-proof French / UTE socket outlets, black, set at 35°
	904.025*	· 3 Swiss / CH socket outlets, black, set at 0°
	904.021*	· 3 UK 5A individually fused, child-proof, set at 45°

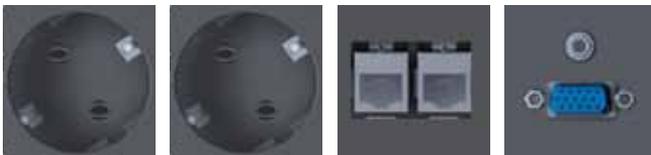


LIFT: 2xCAT6, 1xVGA + mini stereo jack + power outlet sockets

Enclosure colour black; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; VGA 15-pin and mini stereo jack with 3.0 m cable and plug;

	904.002	· 2 black socket outlets with earthing contact, set at 35°
	904.006	· 2 child-proof French / UTE socket outlet, black, set at 35°
	904.026*	· 2 Swiss / CH socket outlets, black, set at 0°
	904.022*	· 2 UK 5A individually fused, child-proof, set at 45°

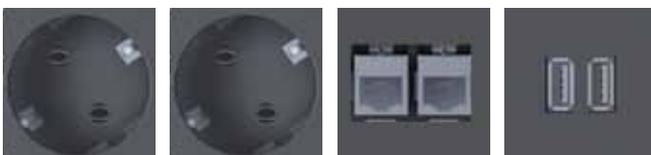


LIFT: 2xCAT6, 2x USB + power outlet sockets

Enclosure colour black; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; USB A socket with 3.0 m cable and plug;

	904.003	· 2 black socket outlets with earthing contact, set at 35°
	904.007	· 2 child-proof French / UTE socket outlet, black, set at 35°
	904.027*	· 2 Swiss / CH socket outlets, black, set at 0°
	904.023*	· 2 UK 5A individually fused, child-proof, set at 45°



Socket tower

Enclosure colour silver



Art. no. | Version

LIFT: Power socket outlets

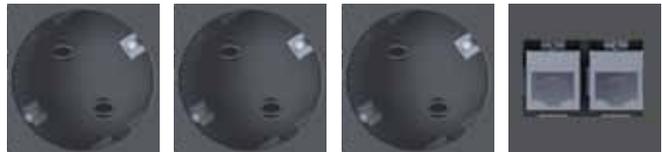
Enclosure colour silver; power input: 0.5m cable and GST18i3 plug

904.008 | · 4 black socket outlets with earthing contact, set at 35°

**LIFT: 2xCAT6 + power outlet sockets**

Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug

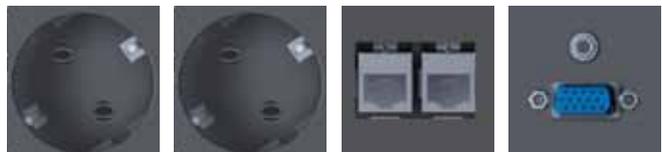
904.009 | · 3 black socket outlets with earthing contact, set at 35°

**LIFT: 2xCAT6, 1xVGA + mini stereo jack + power outlet sockets**

Enclosure colour black; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; VGA 15-pin and mini stereo jack with 3.0 m cable and plug;

904.010 | · 2 black socket outlets with earthing contact, set at 35°

**LIFT: 2xCAT6, 2x USB + power outlet sockets**

Enclosure colour black; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; USB A socket with 3.0 m cable and plug;

904.011 | · 2 black socket outlets with earthing contact, set at 35°

**Hole saw**

Ø 140 mm

For LIFT installation

904.900 | · Hole saw for clamping, with centre drill
· 140 mm diameter

Similar illustration

POWER FRAME is the compact solution for integrated and easily accessible power and data connections for workstations. They can either be installed as new or supplied as equipment for retrofitting.

Combining compact dimensions with high-quality timeless design, POWER FRAME is opening up virtually unlimited application options even going far beyond the realm of office workstations. The range can be used for example in sales showrooms and display windows, at exhibitions and on demonstration stands – in short, wherever secure and rapid connections are the order of the day.

Furthermore, the selected power strip simply plugs into the built-in frame from below without the need for any tools – do things get any better than this? POWER FRAME, for a more compact and more efficient solution.

The advantages at a glance

- Compact dimensions
- Suitable for retrofitting
- Timeless design
- Versatile in application
- Rapid fitting of complete power strips



POWER FRAME is the solution for easily accessible power and data connections at workstations and in similar locations. The power strip simply clicks into the built-in frame from below.



POWER FRAME

Compact and efficient

POWER FRAME – the practical unit for rapid installation.



Ease of integration

The POWER FRAME built-in frame with the easy-to-integrate power strip has been designed as a simple and easily accessible unit for supplying electricity to workstations.

The built-in frame can be installed in desk or table tops with a minimum thickness of 10 mm. 2 standard wood screws 3 mm in diameter are used as mounting accessories.

The built-in depth of the frame itself is approx. 34 mm. The addition of the power strip and cable sockets (power and data) take the total built-in depth requirement to approx. 70 mm. The power and data connection sockets are located on the rear of the power strip's profile.



Power strip simply clicks into place

The power strip clicks into the built-in frame (no tools are required). Since the power strip can be interchanged at any time, the user is guaranteed long-term flexibility and can be sure that the products purchased are fit for the future.



Assembly using screws

This figure shows how the frame is screwed on to the tabletop.

Built-in frame / power strips

Built in frame

Built-in depth: approx. 35.5 mm
 For desk or table top thickness: min. 10 mm
 Outer dimensions: 241.5 x 73 mm
 Built-in dimensions: 224.5 x 60 mm
 R5 corner radius: facilitates flush mounting in or on the top of desks or tables.

Art. no.	Version	
POWER FRAME		Silver-grey
317.000	· Silver-grey similar to RAL9006	
POWER FRAME		Stainless steel
317.001	· Stainless steel	
POWER FRAME		Black
915.000	· Black RAL9005	
POWER FRAME		White
915.001	· White RAL9010	



Art. no.	Version	
3-way: 2x custom modules + power socket outlet		Length: approx. 220 mm CUSTOM
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug		
916.001	· 1 black socket outlet with earthing contact, set at 35°	
916.003	· 1 child-proof French / UTE socket outlet, black, set at 35°	
916.005*	· 1 Swiss / CH socket outlet, black, set at 0°	
3-way: 1x custom module + power socket outlets		Length: approx. 220 mm CUSTOM
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug		
916.000	· 2 black socket outlets with earthing contact, set at 35°	
916.002	· 2 child-proof French / UTE socket outlets, black, set at 35°	
916.004*	· 3 Swiss / CH socket outlets, black, set at 0°	
3-way: 2x CAT5e + power outlet sockets		Length: approx. 220 mm
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug		
317.101	· 2 black socket outlets with earthing contact, set at 35° · 2 CAT5e RJ45, front: socket / rear: socket	
3-way: Power socket outlets		Length: approx. 220 mm
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug		
317.100	· 3 black socket outlets with earthing contact, set at 35°	
317.102	· 3 child-proof French / UTE socket outlet, black, set at 35°	
3-way: 3x custom modules		Length: approx. 220 mm CUSTOM
Anodised aluminium profile; without power connection		
916.010	without socket outlets	



* No storage type

DESK is the ideal solution for data, media and power management wherever flexibility is required in terms of workstation deployment. It is most at home in meeting rooms, home offices or desk sharing environments, to name but a few.

DESK's modular design means that it can be supplied ex works precisely configured with the communication and power supply connections required for the workstation and application at and in which the products are to be used. For example, either the flexible Wieland connector system or fixed connection cables can be selected for the power connection. The data connections are fitted with adapters as standard, but can also be supplied with a fixed connection line.

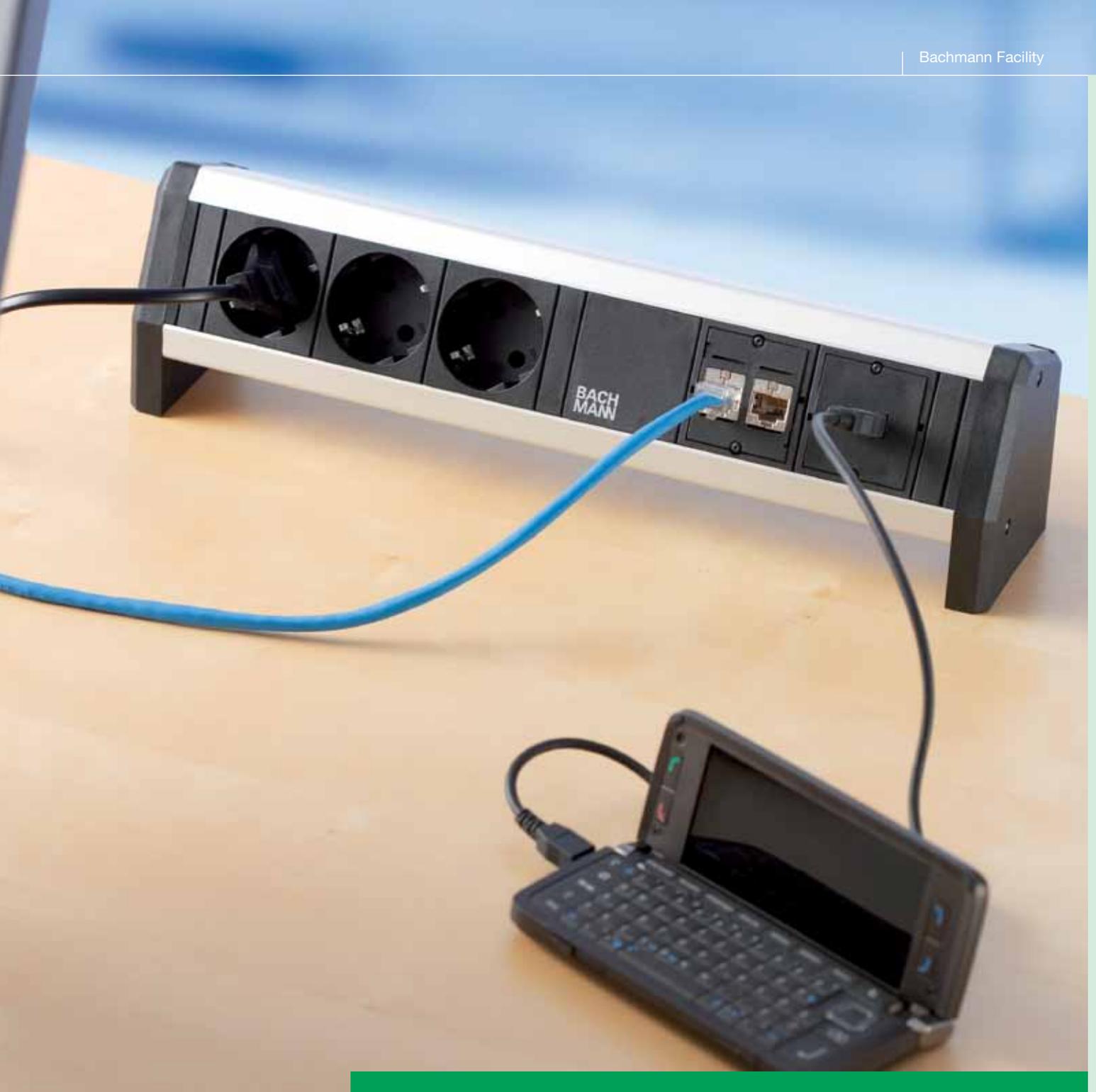
With DESK, versatility is also the order of the day when it comes to positioning and location. It is attached to the desk or table top using mounting brackets or screws or can be free-standing. Quite simply, it can be tailored to provide the perfect complement to any application and any style.

The advantages at a glance

- Flexibility of use regardless of location
- With Wieland connector system or fixed connection cables
- Mounted on desk or table or free-standing
- Custom versions for equipment that is fit for the future



DESK's modular design means that it can be supplied ex works precisely configured with the required communication and power supply connections. DESK can be mounted on the top of a desk or table or it can be a free-standing unit.



DESK

Combining versatility with style.

DESK – everything you could possibly need at your fingertips.



Mounting without mess

DESK can be mounted on the edge of a desk or table quickly and easily using a set of mounting brackets. You will need a size 4 Allen key for mounting (this is used to tighten the inside screw on the mounting bracket). Mounting does not damage the top of the desk or table. An extensive range of mounting brackets and units appears on page 37.

Plug-in connection as standard

The standard power connection features a Wieland plug-in connector built into the rear panel and provides a reliable means of power infeed; it is also flexible with regard to cable length. The cables can be swapped for longer or shorter power supply cables, for example. We use Wieland's GST18 connector, which is popular all over the world, as standard. The plug-in connection has a catch mechanism which complies with the relevant standards and can be released if required. The contacts on the plug-in connection are safe from touch. A power output socket provides a means of forwarding power to the next module.

DESK plus STEP in combination

Combining DESK with a STEP power strip provides the ideal overall solution for an individual office workstation. DESK provides easy access to power and data connections for various devices (laptops, mobile telephones, USB, etc.) whilst the STEP power strip supplies power to the fixed connection devices underneath the top of the desk or table (PCs, monitors, printers, etc.). The STEP power strip is screwed in place underneath the top of the desk or table or placed in a duct underneath the desk or table. The integrated Wieland connector system enables multiple power strips to be connected in series in compliance with standards.



Power strips

DESK power strips

See glossary for country-specific information

Art. no.	Version	Supply lines and mounting brackets are available separately
Power socket outlets		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.0048	· 3 black socket outlets with earthing contact, set at 35°, length 270 mm	
Power socket outlets		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.0049	· 4 black socket outlets with earthing contact, set at 35°, length 313 mm	
902.0050	· 3 black socket outlets with earthing contact, set at 35° · 1 switch 2-pole, illuminated, length 313 mm	



DESK power strips, empty

Supply lines, Custom Modules and mounting brackets are available separately

Art. no.	Version	
1x custom module + power socket outlets		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.000	· 3 black socket outlets with earthing contact, set at 35°, length 322.5 mm	
902.017	· 3 black socket outlet with earthing contact, set at 35° · 1 switch 2-pole, illuminated, length 365 mm	
902.004	· 3 child-proof French / UTE socket outlet, black, set at 35°, length 322.5 mm	
902.008	· 3 Swiss / CH socket outlet, black, set at 0°, length 258 mm	
2x custom module + power socket outlets		
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug		
902.001	· 3 black socket outlets with earthing contact, set at 35°, length 365 mm	
902.011	· 2 black socket outlets with earthing contact, set at 35°, length 322.5 mm	
902.018	· 3 black socket outlets with earthing contact, set at 35° · 1 switch 2-pole, illuminated, length 407.5 mm	
902.005	· 3 child-proof French / UTE socket outlets, black, set at 35°, length 365 mm	
902.009	· 3 Swiss / CH socket outlets, black, set at 0°, length 300.5 mm	
902.039*	· 3 UK 5A individually fused, child-proof, set at 90°, length 309 mm	
3x custom module + power socket outlets		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.002	· 3 black socket outlets with earthing contact, set at 35°, length 407.5 mm	
902.019	· 3 black socket outlets with earthing contact, set at 35° · 1 switch 2-pole, illuminated, length 450 mm	
902.006	· 3 child-proof French / UTE socket outlets, black, set at 35°, length 407.5 mm	
902.010	· 3 Swiss / CH socket outlet, black, set at 0°, length 257.5 mm	
4x custom module + power socket outlets		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.003	· 3 black socket outlets with earthing contact, set at 35°, length 450 mm	
902.007	· 3 black socket outlets with earthing contact, set at 35° · 1 switch 2-pole, illuminated, length 492.5 mm	
2x custom module + power socket outlets		
Anodised aluminium profile; power input: 2 x GST18 (black and red)		
902.012	· 1 black socket outlet with earthing contact, set at 35° · 2 socket outlet with earthing contact, red, set at 35°, length 385 mm	
1x custom module + power socket outlets + switch, illuminated		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.017	· 3 socket outlets with earthing contact, set at 35°, 1x switch, illuminated; length 365 mm	
2x custom module + power socket outlets + switch, illuminated		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.018	· 3 socket outlets with earthing contact, set at 35°, 1x switch, illuminated; length 407.5 mm	
3x custom module + power socket outlets + switch, illuminated		
Anodised aluminium profile; power input: GST18 / power output: GST18		
902.019	· 3 socket outlets with earthing contact, set at 35°, 1x switch, illuminated; length 450 mm	



See page 115 for suitable Wieland cables

* No storage type

Automatic switchoff

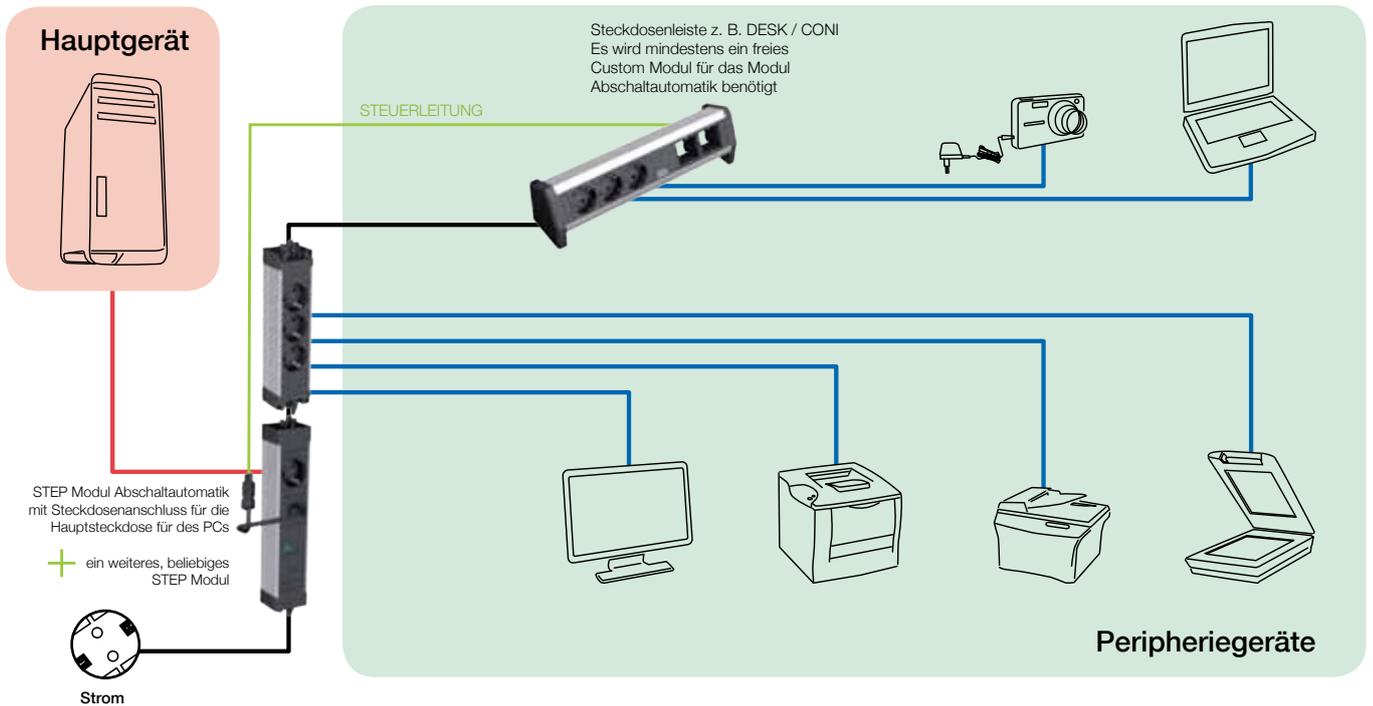
DESK automatic switchoff **~ 70,- €** Saving per year with multiple peripherals, per workstation

Save energy in the office with Bachmann products



The Bachmann automatic switchoff unit allows efficient savings in power consumption without major outlay on wiring during the hours of non-use of modern-day office equipment. The complete switching-off of equipment is no longer left to chance; now power is saved as soon as the workstation PC is shut down.

The effectiveness of this system exceeds the savings possible with master-and-slave power strips, since no standby current is drawn by the master device and total power consumption during non-use hours is exactly zero. The automatic switchoff device thus saves energy.



- The advantages at a glance**
- The automatic switchoff will save you up to €70 per workstation per year.
 - An efficient approach to energy pays off. Particularly in relation to your CO₂ footprint.
 - No electricity – no fire risk.

Building blocks of automatic switchoff



Art. no.	Version	Length: approx. 263 mm
906.005	<ul style="list-style-type: none"> • Anodised aluminium profile • 1x automatic switchoff with socket outlet • 1x button connection with 0.5 m cable and plug-in connector to link to module 917.060 • Power input: GST18i3 plug, power output: GST18i3 socket 	
917.060	<ul style="list-style-type: none"> • 1x button, black, with 1.0 m cable and 2-pin plug connector • Activating the button restores power to the devices connected to the automatic switchoff device. • Can be used in any socket unit with custom modules 	

DESK accessories

Art. no. | Version

DESK slimline mounting bracket for desk and table top thicknesses up to 50 mm

- 918.001
- Stainless steel, material thickness 3 mm
 - Contents: 2 stainless steel mounting brackets + 2 M5 x 45 mm Allen keys

DESK standard mounting bracket for desk and table top thicknesses up to 50 mm

- 930.120
- Anodised aluminium, material thickness approx. 9 mm
 - Contents:
 - 2x mounting clamp aluminium profile anodised
 - 2x M5 x 60 mm Allen key

DESK long mounting bracket for desk and table top thicknesses up to 80 mm

- 930.180
- Mounting bracket long 50 – 80 mm
 - Contents:
 - 2x mounting clamp black paint finish RAL9011
 - 2x M5 x 45 mm Allen key
 - 2x M5 x 60 mm Allen key

SPAX screws for DESK end caps for minimum desk and table top thicknesses of 15 mm

- 930.183
- 2x SPAX screws 4 x 90 mm incl. brass threaded sleeve

DESK mounting plate

- 930.182
- Black plastic
 - Mounting plates for attachment to DESK end caps
 - Contents:
 - 2x mounting plate
 - 2x screw
 - 2x TESA POWER STRIP



STEP embodies the principle of modularity with absolute consistency. Accordingly, the system is ideal for flexible power and data supply at workstations, in partition systems, false floors and other connection applications.

The modularity of the STEP power strips makes for virtually endless possibilities: from simple sets for supplying electricity to power strips with integrated data connections, RCDs/MCBs, overvoltage protection, connections for media technology and much more.

STEP for power supplies is fitted with the Wieland connection system as standard and can therefore be supplied with a variety of cable lengths. Other plug-in connection systems can be supplied on request.

STEP delivers individual tailor-made solutions meeting all the requirements of modern power and data supply. In short: take your first step on the road to a secure future.

The advantages at a glance

- Consistent modularity
- Versatile applications
- Standard connection system
- Can be removed at any time
- Functional efficiency



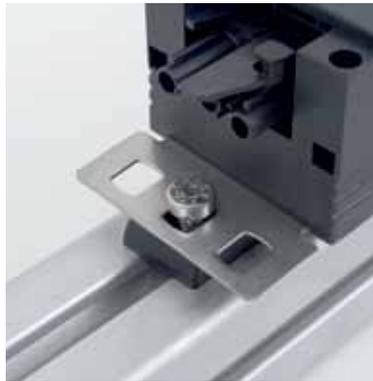
STEP is ideal for flexible power and data supply at workstations, in partition systems, false floors and other connection applications.



STEP

take your first step on the road to a secure future.

STEP – the expansion-compatible all-round system.



Tailor-made for the best connections

The STEP power strip is available with an aluminium or plastic profile. Several power strips can be interconnected to form a modular system. STEP has been designed primarily as a simple electricity supply unit for office workstations. Permanently installed devices such as PCs, monitors, printers, etc. can be connected to STEP.

STEP power strips have a power input and a power output, each of which is built into the end caps on the front end. The built-in Wieland GST18 plug-in connectors have proven their ability to perform particularly well in offices and feature the corresponding coding and connector catch mechanism compliant with the applicable standard.

Various fixing options



STEP power strips can be used in a wide variety of applications. For example, they can be mounted underneath the tops of desks and tables, in cable ducts and partitions. Different mounting accessories are available for the various applications (see page 51 onwards).



STEP combination options

Individual modules can be interconnected or combined at will with a connecting line. Accordingly, STEP can function as a unique power distribution system.

Other plug-in connection systems (e.g. Wago Winsta, Woertz, Ensto) can be supplied on request.

Power strips

See glossary for country-specific information

Supply lines and Custom Modules are available separately

Art. no. | Version

STEP BASE: Power socket outlets Length: approx. 220 mm

Plastic profile; power input: GST18 / power output: GST18	
336.600	· 3 black socket outlets with earthing contact, set at 35°
336.601	· 3 socket outlets with earthing contact, red, set at 35°
336.603	· 3 child-proof French / UTE socket outlet, black, set at 35°



STEP BASE: Power socket outlets Length: approx. 262.5 mm

Plastic profile; power input: GST18 / power output: GST18	
336.604	· 4 black socket outlets with earthing contact, set at 35°
336.606	· 4 child-proof French / UTE socket outlet, black, set at 35°



STEP ALU: Power socket outlets Length: approx. 220 mm (note special lengths)

Aluminium profile; power input: GST18 / power output: GST18	
336.039	· 3 black socket outlets with earthing contact, set at 35°
336.067	· 3 socket outlets with earthing contact, red, set at 35°
336.046	· 4 child-proof French / UTE socket outlets, black, set at 35°, length 262.5 mm
336.072	· 3 child-proof French / UTE socket outlets, red IT, set at 35°
336.088	· 4 child-proof French / UTE socket outlets, red IT, set at 35°, length 262.5 mm
906.1086 (in storage)	· 3 Swiss / CH socket outlets, black, set at 90°
906.1059 (in storage)	· 3 UK 3.15A individually fused, child-proof, 45°, length 314.5 mm
336.076	· 3 USA socket outlet, black, set at 0°, length 195 mm



STEP ALU: 1x custom module + power socket outlets Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18	
906.000	· 2 black socket outlets with earthing contact, set at 35°
906.002	· 2 child-proof French / UTE socket outlet, black, set at 35°
906.071	· 2 Swiss / CH socket outlets, black, set at 90°
336.079	· 2 UK 3.15A individually fused, child-proof, 45° (length 284.5 mm)



STEP ALU: 2x custom module + power socket outlets Length: approx. 262.5 mm

Aluminium profile; power input: GST18 / power output: GST18	
906.001	· 2 black socket outlets with earthing contact, set at 35°
906.009 (in storage)	· 2 child-proof French / UTE socket outlet, black, set at 35°
906.080 (in storage)	· 2 Swiss / CH socket outlet, black, set at 90°



STEP ALU: 1x switch + power socket outlets Length: approx. 262.5 mm

Aluminium profile; Power input: GST18 / power output: GST18	
906.003	· 3 x socket outlets with earthing contact, black, set at 35° · Switch, switches sockets only (not power outlet)
906.031	· 3 x socket outlets with earthing contact, black, set at 35° · Switch, switches sockets and power output



Power strips

All STEP safety modules are compatible with STEP ALU and STEP BASE

Supply lines are available separately

Art. no. | Version



STEP ALU overvoltage protection, GST18 Length: approx. 147 mm

Aluminium profile; power input: GST18 / power output: GST18
 336.003 | · Overvoltage protection 6.5 kA with function and fail indicator

STEP ALU overvoltage protection + mains and frequency filters, GST18 Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18
 336.004 | · Overvoltage protection 6.5kA with function and fail indicator and mains filter 30 MHz

STEP ALU MCB, GST18 Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18
 336.015 | · Miniature circuit-breaker 16 A, 2-pole
 · Characteristic B

STEP ALU RCD, GST18 Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18
 336.014 | · Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole

STEP ALU RCD, GST18 Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18
 906.067 | · Residual current device, 16A, tripping current 10mA, response time 30 ms, 2-pole
 · Power input: GST18i3 plug; power output: GST18i3 socket;

STEP ALU RCD/MCB, GST18 Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18
 336.065 | · Combined RCD/MCB comprising:
 - Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole
 - Miniature circuit-breaker 16 A rated current, 400V, 2-pole
 · Characteristic B; 6 kA

STEP ALU Master & Slave, GST18 Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18
 336.006 | · Master & Slave circuit with threshold value setting 10 W and higher
 · Effective power: 0.29W / apparent power: 1.05W

STEP ALU automatic switchoff Length: approx. 263 mm

Aluminium profile; power input: GST18 / power output: GST18
 906.005 | · 1x automatic switchoff with socket outlet
 · 1x button connection with 0.5 m cable and plug-in connector to link to module 917.060

Mounting accessories

375.502 | · Contents:
 - 4 screws 2.9 x 30 mm
 - 2 cover strips for the end caps as optical finish (to be placed on the end caps where two power strips are linked together)
 - 1 connection cover
 - 1 end cap for power output socket

Art. no. | Version

Stainless steel mounting bracket

- 940.096
- For plugging into the rear of a STEP profile
 - Ideal when using power strips with data connections
 - 2 items

Stainless steel mounting bracket with elongated hole

- 940.024
- For plugging into the rear of a STEP profile
 - With elongated hole (keyhole) for screwing into place, ideal when using power strips with data connections
 - 1 item left, 1 item right

Straight stainless steel mounting bracket

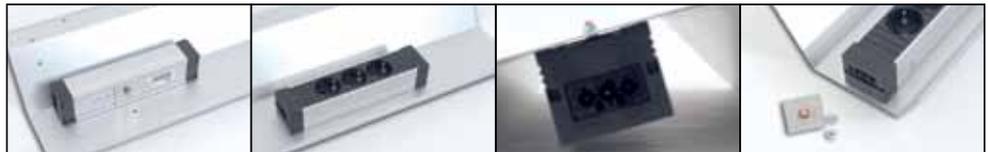
- 940.097
- For plugging into the rear of a STEP profile
 - For screwing in place e.g. under a desk or table
 - 2 items, packed in plastic bag

STEP blanking strips

- 375.529
- For positioning on the end caps of the STEP power strip
 - Optical finish
 - Black plastic
 - 2 items, packed in plastic bag

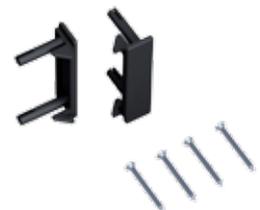
Sheet steel mounting plate

- 940.108
- For sliding into the rear of a STEP profile
 - The power strip is fixed by screwing the nuts onto the threaded screw
 - Contents:
 - 1 mounting plate incl. M5 screw, washer and nut



STEP plastic mounting clip

- 918.025
- For mounting STEP BASE and STEP ALU power strips in suitable cut-outs in sheet steel (thickness 2.0 mm)
 - Contents:
 - 2 plastic mounting clips
 - 4 screws 2.9 x 30 mm
 - Drawings for the required cut-outs can be requested if required.



STEP device supply cable with earth connection, see Accessories chapter

- Pre-assembled power supply lines with integrated earth connection
- Power strip earthed independently of the installation
- Ideal in combination with STEP power strips (page 41 onwards)



Bachmann custom modules are the central components of video, audio and network connections. Their construction offers you simple and flexible installation in facility systems, rack systems and electrical installations. The versatility of custom modules make Bachmann facility systems even more flexible. The easy-to-swap modules let you create units to meet the individual data, video and audio connection requirements of your customers quickly and simply.

Now Bachmann also offers this flexibility for 10" and 19SDSq panel installations. The standard custom modules facilitate the optimal configuration for every media and network connection requirement. Here also, socket/socket or screw-terminal connections provide great simplicity of installation.

Bachmann custom modules also offer you an outstanding addition to electrical installations. The small number of parts make the custom modules compatible with the current switch ranges of reputable manufacturers. Simple fitting and removal mean that all installations can be quickly adapted to changed requirements or brought up to the current state of the art.

The advantages at a glance

- Flexibly interchangeable modules
- For data, video and audio connections
- Can be used in facility systems, rack installations and electrical installations
- Integration with the switch ranges of leading manufacturers
- Easy to connect via socket/socket or screw terminals



Facility System



Media rack



Electrical installations



CUSTOM MODULES

As versatile as your applications.



The empty built-in frame^① of Bachmann Facility systems accommodates the custom modules^②, which are fixed in place with two Torx screws^③. The custom modules can be easily exchanged by loosening the screws.

Custom modules in facility systems



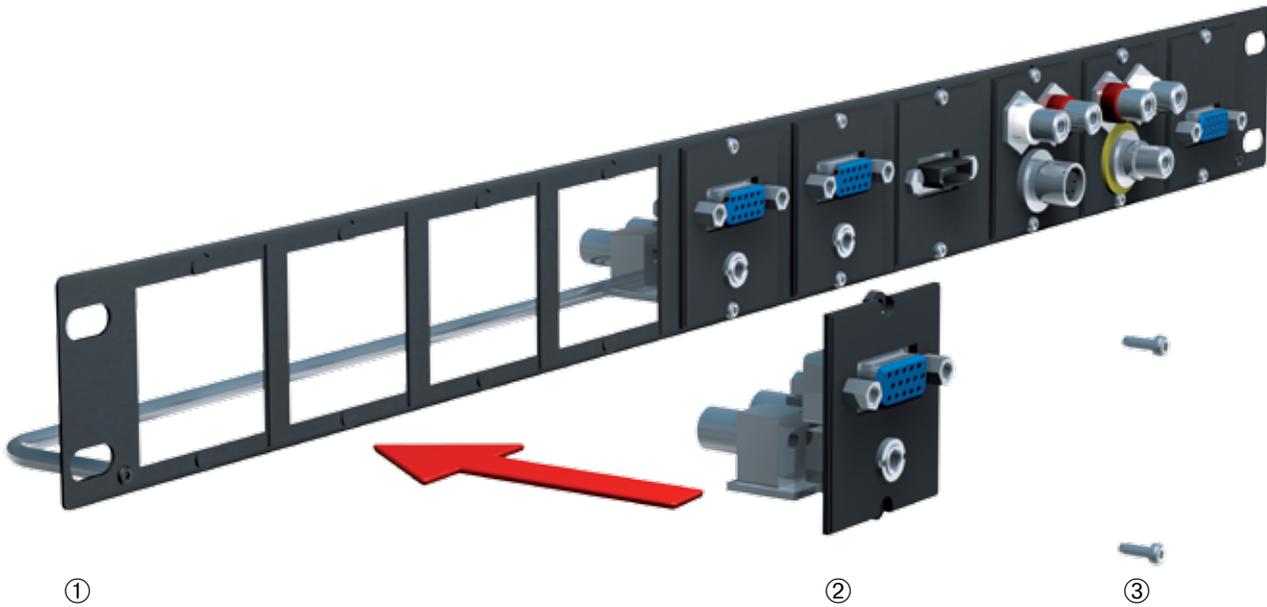
Individual configuration

Modern technology and strong ideas are at the heart of each and every Bachmann facility system. With expansion-compatible multiple-socket outlets and facility custom modules for individual configuration, these systems provide the ideal basis for setting up flexible connections. Practical units provide secure networking in the office, while elegantly designed, concealed supply systems offer trouble-free communications for conferences. In addition to standard, ready-made outlet units, Bachmann facility products include empty modules for individual configuration. Screws are supplied together with custom modules.



The greatest flexibility – prepared for the future

Any change in the configuration offers you the opportunity to upgrade your equipment to the latest state of the art at any time. Built-in insulation protects you from contact with live parts when exchanging modules. There is no requirement to recheck the electrical connections of the unit after changing modules, and the warranty is not affected. You can find facility system products in the main Bachmann catalogue and in the separate Facility Systems catalogue.

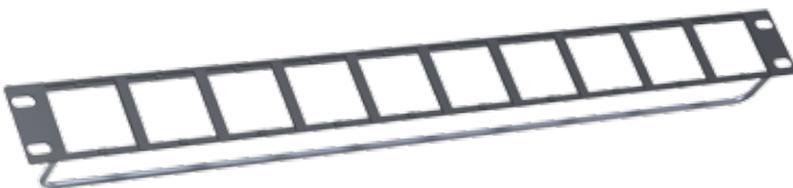


Our 19" and 10" racks^① accept custom modules^② which are simply inserted and screwed in. System integration is made easy with the open design and socket/socket or screw-terminal custom modules.

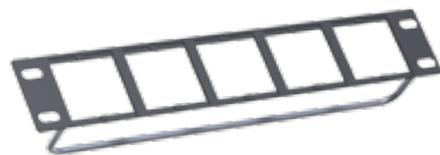
Custom modules in rack installations

Full integration of media and network technologies

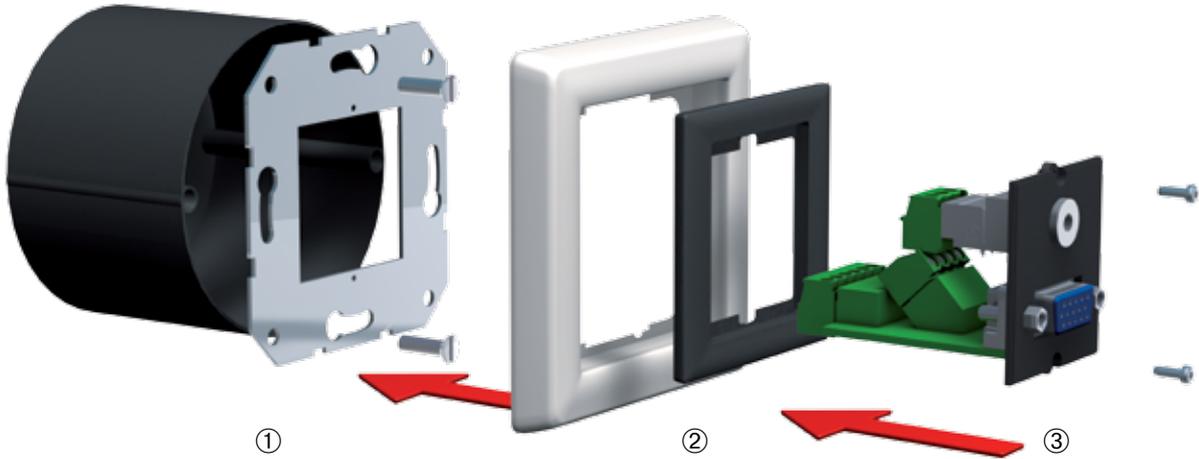
The 19SDSq and 10SDSq panels offer simple and flexible integration of media and network technologies into your rack system. The custom modules, easily screwed into place (Torx M2 screws[®] included with the panels) enable you to respond to changes in system requirements at any time. Socket/socket and screw-terminal technology offers a compact and clearly arranged installation. The panels are particularly economical on space, requiring only one height unit (44.5 mm).



903.000 Bachmann 19SDSq panel, 1 U, with strain-relief bar, accepts 10 custom modules (screws for mounting the modules included)



903.001 Bachmann 10SDSq panel, 1 U, with strain-relief bar, accepts 5 custom modules (screws for mounting the modules included)

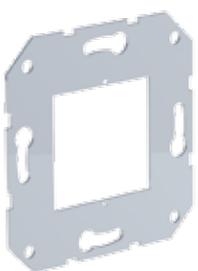


Using a mounting plate^① and adapter frame^② (see page 8), custom modules^③ can be installed in a switch box.

Custom modules in electrical installations

Unlimited installation options

Entirely new possibilities have opened up for electrical installations, yet require few additional components. Installable in either a switch box or sill-type trunking, the extensive range of custom modules allows the easy integration of audio, video and data networks. By using the 50x50 mm and 55x55 mm adapter frames available as standard, the custom modules form an optimal complement to the current switch ranges of reputable manufacturers. The connections to the rear can be made either as socket/socket or via screw terminals. No complicated soldering or cabling is required. A compatibility list of custom modules to the switch ranges of various manufacturers can be found on page 50.



917.064 Mounting plate
(Suitable Torx M2 screws are included in the scope of supply)



Adapter frames, 50x50 mm and 55x55 mm in black and white



Example of mounting box for trunking
You can obtain various mounting or device boxes from trunking manufacturers.



The mounting box is inserted into the trunking. On this base, the mounting plate^① and adapter frame^② (50x50 mm or 55x55 mm) and Bachmann custom module^③ are bolted.

Bachmann custom modules[®] can even be fitted into conventional floor boxes. The custom module bracket[®] for floor-box systems allows the module to be fitted directly. There is thus no need for a mounting plate^① or adapter frame^②. The Bachmann custom module bracket[®] is suitable for floor boxes from various manufacturers. Please check the installation depth required by the custom modules.



Fitting options, switch manufacturers

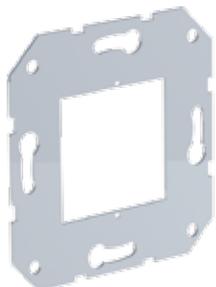
Manufacturer*	Switch range*	Bachmann Adapter frame** colour black	Bachmann Adapter frame** colour white	+ adapter manufacturer number
Berker	S.1	917.066	917.169	–
	B0.1	917.066	917.169	–
	B.3	917.066	917.169	–
	B.7 glass	917.066	917.169	–
	K.1	917.065	917.168	11087124 11087106 11087109 11087102
	K.5	917.065	917.168	11087104
	Arsys	917.065	917.168	11080101 11089104 11089111 11080169 11080102
	Module 2	917.065	917.168	114309 114302
Busch-Jaeger	carat	917.065	917.168	1746/10-81 1746/10-82 1746/10-84
	pure stainless steel	917.065	917.168	1746/10-866
	pulse	917.065	917.168	1746/10-71 1746/10-72 1746/10-74 1746/10-79 1746/10-777 1746/10-783
	solo	917.065	917.168	1746/10-82 1746/10-84 1746/10-85 1746/10-86 1746/10-87 1746/10-88 1746/10-803 1746/10-815
	Busch-axcent	917.065	917.168	1746/10-84
	future	917.065	917.168	1746/10-82 1746/10-84 1746/10-85 1746/10-89
	Future linear	917.065	917.168	1746/10-81 1746/10-82 1746/10-83 1746/10-84 1746/10-89
EGB	Elegant Standard	917.065	917.168	143090045
ELSO	JOY	917.065	917.168	363080 363084
	RIVA	917.065	917.168	203080 203084 2030831 2030811 2030819
	RIVA	917.066	917.169	203160 203164 2031611 2031619
	SCALA	917.065	917.168	203080 203084 2030811 2030819
	SCALA	917.066	917.169	203160 203164 2031611 2031619
	FASHION	917.065	917.168	203080 203084 203081 2030812 203082 2030831 203086 203089 2030844
	FASHION	917.066	917.169	203160 203164 203160D
	NOVIA	917.066	917.169	284800 284804
	NOVIA	917.065	917.168	283160 283164 2831631 2831612 283166 283169 2831611
	CLASSIC	917.065	917.168	303110 303111
Gira	Standard 55	917.066	917.169	–
	E2	917.066	917.169	–
	Event	917.066	917.169	–
	Esprit	917.066	917.169	–
	E22	917.066	917.169	0289202
	Stainless steel series 20/21	917.066	917.169	028920
	TX_44	917.066	917.169	028966 028967 028965
	Push switch	917.066	917.169	0289111 0289112
	S-Color	917.065	917.168	028240 028242 028243 028246 028247
Jäger	Opus	917.065	917.168	560.050.02
Jung	AS 500	917.066	917.169	–
	AS Universal	917.066	917.169	–
	A 500	917.066	917.169	–
	A plus	917.066	917.169	–
	A creation	917.066	917.169	–
Jung	LS-design	917.066	917.169	AL2961Z5-L ES2961Z5-L
	LS 990	917.066	917.169	LS961Z5WW LS961Z5SW LS961Z5AL
	LS plus	917.066	917.169	AL2961Z5-L ES2961Z5-L
	FD-design	917.066	917.169	AL2961Z5-L ES2961Z5-L
	CD 500	917.065	917.168	590ZCD 590ZWW
LS 990	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW	

Fitting options, switch manufacturers

Manu- facturer*	Switch range*	Bachmann Adapter frame** colour black	Bachmann Adapter frame** colour white	+ adapter manufacturer number
	LS 990	917.065	917.168	LS961Z5 LS961Z5WW LS961Z5SW
	Aluminium	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	Aluminium	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
	Stainless steel	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	Stainless steel	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
	Anthracite	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	Anthracite	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
	High gloss chrome	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	High gloss chrome	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
Merten	1-M	917.066	917.169	-
	ATELIER-M	917.066	917.169	-
	M-SMART	917.066	917.169	-
	M-PLAN	917.066	917.169	-
	M-PLAN GLASS	917.066	917.169	-
	M-PLAN metal	917.066	917.169	-
	M-PLAN II	917.066	917.169	-
	M-ARC	917.066	917.169	-
	M-STAR	917.066	917.169	-
	ARTEC	917.065	917.168	516094 516099
	AQUADESIGN	917.065	917.168	518344 518319 518314 518360
PEHA	Standard	917.066	917.169	219511 219611
	Standard	917.065	917.168	219411 219211 219711 219311 218711
	Dialog	917.065	917.168	828611 819511 768611 847311 838011 778611 316611
	Aura	917.065	917.168	117211 129511 155811
	Nova	917.065	917.168	027211 042211 057211
	Nova	917.066	917.169	100511 100711 100611
POPP	FOREVER	917.065	917.168	729828 729811
	PALLAS	917.065	917.168	729842 729866 729859
	ARCADA	917.065	917.168	-
Presto-Vedder	Regina classic	917.065	917.168	730RW 730RUW
	Alessa	917.065	917.168	230RUW
	Alessa plus	917.065	917.168	230RUW
	Fiorena	917.065	917.168	3030RUW 3030RW 3030RSI 3030RSGR
Siemens	DELTA line	917.065	917.168	5TG2557 5TG2587 5TG1160 5TG1150
	DELTA vita	917.065	917.168	5TG2557 5TG1160 5TG1150
	DELTA miro	917.065	917.168	5TG2557 5TG2587 5TG1160 5TG1150
	DELTA style	917.065	917.168	5TG1326 5TG1326-1 5TG1366
	DELTA style	917.066	917.169	5TG1327 5TG1327-1 5TG1367
	DELTA profile	917.065	917.168	5TG1806 5TG1866 5TG1766 5TG1836 5TG1706-1 5TG1746-1
	DELTA profile	917.066	917.169	5TG1893 5TG1885 5TG1762 5TG1835 5TG1705-1 5TG1745-1

*Name and product designation of respective manufacturer
 **Also order the respective Bachmann adapter frame for fitting in the switch range.

Switch range



Art. no.	Version	
Custom module mounting plate for switch range		Stainless steel
917.064	<ul style="list-style-type: none"> · Stainless steel mounting plate suitable for standard device sockets for concealed mounting, hollow spaces and device built-in couplings for trunking · Incl. 2 Torx M2 screws · An extra mounting box is needed for trunking (see manufacturer's range) 	



Adapter frame for switch range		Plastic
917.065	<ul style="list-style-type: none"> · 50 x 50 mm · Black · For fitting in standard switch range (50 x 50 mm internal dimensions) together with stainless steel mounting plate 917.064 · Please note the compatibility list on page 50 onwards 	



Adapter frame for switch range		Plastic
917.168	<ul style="list-style-type: none"> · 50 x 50 mm · White RAL 9010 · For fitting in standard switch range (50 x 50 mm internal dimensions) together with stainless steel mounting plate 917.064 · Please note the compatibility list on page 50 onwards. 	



Adapter frame for switch range		Plastic
917.066	<ul style="list-style-type: none"> · 55 x 55 mm · Black · For fitting in standard switch range (55 x 55 mm internal dimensions) together with stainless steel mounting plate 917.064 · Please note the compatibility list on page 50 onwards. 	



Adapter frame for switch range		Plastic
917.169	<ul style="list-style-type: none"> · 55 x 55 mm · White RAL 9010 · For fitting in standard switch range (55 x 55 mm internal dimensions) together with stainless steel mounting plate 917.064 · Please note the compatibility list on page 50 onwards. 	

Floor box

Floor boxes

Art. no. | Version

Floor box mounting 2x Sheet steel

2x custom module

- 917.068
- For fitting in OBO Bettermann device case/floor-box systems
 - For mounting 2 custom modules (transverse mounting)
 - Incl. Torx M2 screws



Floor box mounting 3x Sheet steel

3x custom modules

- 917.067
- For fitting in OBO Bettermann device case/floor-box systems
 - For mounting 3 custom modules (transverse mounting)
 - Incl. Torx M2 screws



Floor box mounting 2x Black plastic

2x custom module

- 917.139
- Mounting for Electraplan floor boxes
 - For mounting 2 custom modules (transverse mounting)
 - Incl. Torx M2 screws for custom modules



Floor box mounting 3x Black plastic

3x custom modules

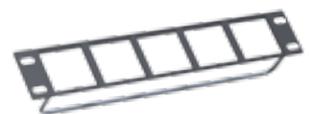
- 917.140
- Mounting for Electraplan floor boxes
 - For mounting 3 custom modules (transverse mounting)
 - Incl. Torx M2 screws for custom modules



Media racks/IT panels

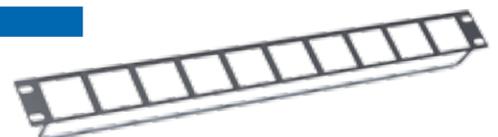
10" custom module panel 1 U Aluminium black anodised

- 903.001
- For fitting up to 5 custom modules
 - Incl. fixing accessories and Torx M2 screws



19" custom module panel 1 U Aluminium black anodised

- 903.000
- For fitting up to 10 custom modules
 - Incl. fixing accessories and Torx M2 screws



Data connections

Modules for data connections

· All modules are supplied with 2 Torx T6 screws.

Art. no.	Version
Module 2 x Keystone	
917.000	<ul style="list-style-type: none"> · Module black accepts 2 data sockets with Keystone fitting · Suitable for subsequent data socket versions
917.158	<ul style="list-style-type: none"> · Module white accepts 2 data sockets with Keystone fitting · Suitable for subsequent data socket versions
Module 1 x Keystone	
917.001	<ul style="list-style-type: none"> · Module black accepts 1 data socket with Keystone fitting · Suitable for subsequent data socket versions
917.159	<ul style="list-style-type: none"> · Module white accepts 1 data socket with Keystone fitting · Suitable for subsequent data socket versions
2x Keystone module with metal holder	
917.061	<ul style="list-style-type: none"> · Module, black, accepts 2 data sockets with Keystone fitting · Keystone fitting with metal holder on rear of cover for high mechanical stresses · Suitable for subsequent data socket versions
1x Keystone module with metal holder	
917.062	<ul style="list-style-type: none"> · Module, black, accepts 1 data socket with Keystone fitting · Keystone fitting with metal holder on rear of cover for high mechanical stresses · Suitable for subsequent data socket versions

BTR**	DAETWYLER**	KERPEN**
· E-DAT module CAT6a 8(8)	· unilan MS 1/8 CAT6 RJ45	· VarioKeystone
· E-DAT module coupling 8(8) CAT6	· unilan RJ45 feedthrough coupling CAT6	socket module
	· unilan MU 1/8 CAT6 RJ45	RJ45

Module 2x BTR E-DAT module CAT6	
917.038	<ul style="list-style-type: none"> · Module with cut-out and mounting plate for 2x BTR E-DAT module CAT6 (not included) · Also suitable for Daetwyler Unilan module MS 1-8
Module 1x BTR E-DAT module CAT6	
917.006	<ul style="list-style-type: none"> · Module with cut-out and mounting plate for 1x BTR E-DAT module CAT6 (not included) · Also suitable for Daetwyler Unilan module MS 1-8

Module 1x Systimax CAT6	
917.003	<ul style="list-style-type: none"> · Module with cut-out and mounting plate for 1x Systimax CAT6 MGS500 and MGS400 series (not included)

■ Facility systems ■ IT rack panel ■ Electrical installations

Data connections

Modules for data connections

· All modules are supplied with 2 Torx T6 screws.

Art. no. | Version

Module 1x RDM CAT6

917.005
 · Module with cut-out and mounting plate for 1x Reichle de Masari (RDM) CAT6 (not included)



Module 1x BKS

917.153
 · Module with cut-out for data connections BKS (RJ, RJ250, RJJTP, RJpro and MMC3000pro) with help of mounting clip 403-7540xx (not included in scope of supply).
 · Also suitable for Kerpen ELine 1200 C7 socket with help of ELine EC7 adapter clip LKD9ZE300210000), not included in scope of supply.



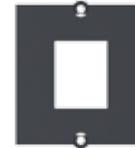
Nexans module 2x

917.052
 · Module, black, with cut-out for 2 Nexans LAN-mark-6 CAT6 (clips in with Keystone Nexans clip)
 · Data socket and Keystone clip available separately



Nexans module 1x

917.051
 · Module, black, with cut-out for 1 Nexans LAN-mark-6 CAT6 (clips in with Keystone Nexans clip)
 · Data socket and Keystone clip available separately



Module 1x Panduit CAT6

917.007
 · Module with cut-out and mounting plate (black) for 1x Panduit CAT6 (not included)



Module 1x Corning CAT6

917.002
 · Module with cut-out and mounting plate (black) for 1x Tera CAT6 S250 (not included)
 · Suitable for Corning modules: S500 module / CAXASM-00104-C001, S500 fx / CAXASM-00104-C002, S10 ten / CAXTSM-00112-C001, S10 ten fx / CAXTSM-00112-C004, S250 module / CAXESM-00100-C001, S250 fx / CAXESM-00100-C004, S100 eL / CAXGSM-00100-C001, S100 e / CAXDSM-00100-C001



Module 2x CAT7 Tera

917.039
 · Module with cut-out and mounting plate (black) for 2x Tera CAT7 (not included)
 · DAETWYLER unilan PS 1/8 CAT7, CORNING S1200 module S1200 shielded CAT7 +



Module 1x CAT7 Tera

917.008
 · Module with cut-out and mounting plate (black) for 1x Tera CAT7 (not included)
 · DAETWYLER unilan PS 1/8 CAT7, CORNING S1200 module S1200 shielded CAT7 +



 Facility systems  IT rack panel  Electrical installations

*Name and product designation of respective manufacturer

Data connections

Data connections for custom modules 917.000, 917.001, 917.061 and 917.062 Suitable data cables can be found in the accessories

Socket/socket

Art. no. | Version



CAT6 coupling socket/socket

- 940.044
- Type: BTR E-DAT
 - Front: RJ45 (Keystone fixing), rear: RJ45 (E-DAT mounting)
 - Shielded



CAT6 coupling socket/socket

- 940.112
- Front: RJ45 (Keystone fixing), rear: RJ45 (Keystone fixing)
 - Unshielded



CAT5e adapter socket/socket

- 940.057
- Front: RJ45 (Keystone fixing), rear: RJ45 (Keystone fixing)
 - Shielded



ISDN RJ12 socket/socket

- 940.085
- Front: RJ12 (Keystone fixing), rear: RJ12 (Keystone fixing)
 - Unshielded



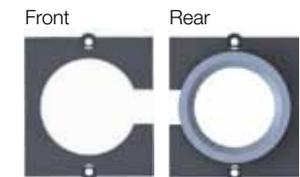
Keystone socket cover

- 917.057
- Socket cover, clips into an empty Keystone socket
 - Can be used as a placeholder to allow later insertion of further jacks
 - Suitable for 917.000 / 917.001 / 917.061 / 917.062



Module 1x cable bushing for data

- 917.032
- Module with drill hole and 2-part cable bushing for data cables up to Ø 11 mm



Module 1x cable bushing for VGA

- 917.033
- 1x 2-part cable bushing, ideal for routing VGA cables, without cables.
 - Suits cables up to 24 mm diameter



Data connections

Socket/supply cable

Art. no. | Version

CAT6a 10GB Patch cable plug/socket 3.0m

- 918.033
- Front: Socket RJ45 CAT6a TKM 10GB
 - Cable, black, with RJ45 plug
 - Shielded



CAT6a 10GB Patch cable plug/socket 5.0m

- 918.034
- Front: Socket RJ45 CAT6a TKM 10GB
 - Cable, black, with RJ45 plug
 - Shielded



CAT6a 10GB socket TKM

- 918.035
- CAT6a connector socket TKM 10GB
 - Without cable (designed for connection of cable without tools)
 - Shielded



Shutter RJ 45

- 930.143
- Cover for Keystone custom module
 - Does not require tools
 - Suitable for custom modules 917.000/917.001/917.051/917.052
 - With paper strips for inscriptions
 - Universally suitable for 1 and 2 data connections
 - Ideal as dust cover for data socket contacts when not in use



LWL-connectors

LWL - LC Duplex Keystone

- 918.071
- LWL-LC Duplex coupling
 - Keystone mounting system



LWL - ST Duplex Keystone

- 918.073
- LWL-ST coupling
 - Keystone mounting system



TOSLINK Keystone

- 918.045
- TOSLINK coupling audio
 - Keystone mounting system



LWL - SC Keystone

- 918.072
- LWL-SC coupling
 - Keystone mounting system



LWL-MT-RJ Keystone

- 918.074
- LWL-MT-RJ coupling
 - Keystone mounting system



■ Facility systems ■ IT rack panel ■ Electrical installations

Compatibility of data connections

MANUFACTURER	917.000	917.001	917.061	917.062	917.098	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917.005
Bachmann versions															
CAT6 coupling shielded 940.044	x	x			x	x									
CAT6 coupling unshielded 940.112	x	x	x	x											
CAT5e coupling 940.057	x	x	x	x											
ISDN RJ12 socket unshielded	x	x	x	x											
CAT6a 10GB socket TKM, shielded, for self-connection 918.035	x	x	x	x											
CAT6a 10GB socket TKM, shielded, with 3.0m cable and RJ45 plug / 918.033	x	x	x	x											
CAT6a 10GB socket TKM, shielded, with 5.0m cable and RJ45 plug / 918.034	x	x	x	x											
Socket cover / blank cover Keystone black / 917.057	x	x	x	x											
RJ45 shutter / 930.143	x	x													
LWL - LC duplex Keystone / 918.071	x	x	x	x											
LWL-SC Keystone / 918.072	x	x	x	x											
LWL-ST Keystone / 918.073	x	x	x	x											
LWL-MT-RJ Keystone / 918.074	x	x	x	x											
TOSLINK Keystone / 918.045	x	x	x	x											
Tyco Electronics / AMP NETCONNECT *															
SL series 110Connect jacks CAT6	X	x	x	x											
SL series 110Connect jacks CAT5e	X	x	x	x											
SL series 110Connect jacks CAT3	X	x	x	x											
SL series toolless jacks CAT5e	x	x	x	x											
SL series toolless jacks CAT3	x	x	x	x											
Modular telephone coupler RJ45 / RJ11 coupler	x	x	x	x											
AMP-TWIST-6S SL jack CAT6	x	x	x	x											
Standard 110Connect jacks CAT5e		x		x											
Standard 110Connect jacks CAT3 RJ45 / RJ11		x		x											
AMP-TWIST 6AS SL RJ45 jack	x	x	x	x											
ADC KRONE *															
KM8 RJ45 modular Keystone shielded		x		x											
KM8 RJ45 modular Keystone unshielded		x		x											
BELDEN *															
Giga Flex Keystone	x	x	x	x											
Giga Flex MDVO	x	x	x	x											
BKS * (can be inserted with help of mounting clip 403-7540xx (not included in scope of supply))															
RJ, RJ250, RJUTP, RJpro and MMC3000pro												x			

Compatibility of data connections

MANUFACTURER	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917.005
BRAND-REX *															
10GPLUS jack, shielded	x	x	x	x											
Augmented category 6 shielded tool-free jack / AC6JAKS000	x	x	x	x											
CAT5e GIGAPlus jack 110 IDC 568		x		x											
CAT6 Keystone plus		x		x											
CAT6 Keystone Snap In	x	x	x	x											
CAT6 Plus		x		x											
Cat6Plus shielded module / C6CJAKS000CR	x	x	x	x											
Category 6 shielded tool-free jack 7 C6CJAKS000	x	x	x	x											
BTR *															
C6A module 180° / 130B11-E					x	x									
E-DAT module CAT6a 8(8)					x	x									
E-DAT module coupling 8(8) CAT6 1309A0-I	x	x	x	x	x	x									
E-DAT module coupling 8(8) CAT6 1309A0-I					x	x									
UTP module CAT5e / 130A08-I / 130A08-I-B1	x	x	x	x											
UAE module CAT5e unshielded 130908-	x	x	x	x											
UAE module CAT6 130909-I / 130909-I-B1					x	x									
UTP module 8 (8) CAT6 / 130A10-I / 130A10-29-I / 130A10-29-I-B1	x	x	x	x											
CIMABOX *															
CAT5e and CAT6 Keystone CJ545U / CJ545F	x	x	x	x											
Shielded and unshielded CJ645U / CJ645F	x	x	x	x											
COBINET *															
Patch cable coupling TopConnect RJ45			x	x											
RJ45 module TopKey ****			x	x											
CORNING *															
S10 TEN / CAXTSM-00112-C001								x							
S10 TEN fx / CAXTSM-00112-C004								x							
S100 e / CAXDSM-00100-C001								x							
S100 eL / CAXGSM-00100-C001								x							
S1200 module S1200 shielded CAT7 / CAXFSM-00100-C001												x	x		
S250 fx / CAXESM-00100-C004								x							
S250 module / CAXESM-00100-C001								x							
S500 fx / CAXASM-00104-C002								x							
S500fx module / CAXBSM-00104-C002	x	x	x	x											
S500 module / CAXBSM-00104-C001	x	x	x	x											
S500 module / CAXASM-00104-C001								x							

*Name and product designation of respective manufacturer

Compatibility of data connections

MANUFACTURER	917.000	917.001	917.061	917.062	917.098	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917.005
DAETWYLER *															
unilan RJ45 coupling CAT6 417 446	x	x	x	x											
unilan module KS 1 / 8 CAT6 RJ45 418 050	x	x	x	x											
unilan module KS 1 / 8 CAT5e RJ45 418 051	x	x	x	x											
unilan module KST 1 / 8 toolless CAT6 RJ45 418 053	x	x	x	x											
unilan module KU 1 / 8 CAT6 418,080	x	x	x	x											
unilan module KU 1 / 8 CAT6 418 081	x	x	x	x											
unilan module KU 1 / 8 CAT5e 418,082	x	x	x	x											
unilan module KU 1 / 8 CAT5e 418 083	x	x	x	x											
unilan® module PS-GG45 7A 1000 MHz 400 102 + 400 103		x		x											
unilan® module KS-T 6A 1/8 tool-less cat. 6A/EA, shielded 418 060	x	x	x	x											
unilan® module KS-TS 6 1/8 tool-less slimline cat.6/EA, shielded 418 054	x	x	x	x											
unilan® RJ45 Keystone coupler CAT6 / 418 057	x	x	x	x											
unilan® module KS-T5 1/8 tool-less cat. 5e, shielded / 418 055	x	x	x	x											
unilan® RJ45 module MS-K 1/8 cat.6a, shielded - modular solution 440 001	x	x	x	x											
unilan® module MS-K Plus 1/8 cat. 6A, shielded 440 004	x	x	x	x											
unilan MS 1 / 8 CAT6 RJ45					x	x									
unilan RJ45 feedthrough coupling CAT6					x	x									
unilan MU 1 / 8 CAT6 RJ45					x	x									
unilan PS 1 / 8 CAT7												x	x		
	x	x	x	x											
EFB ECOLAN *															
E-20050	x	x	x	x											
E-20051	x	x	x	x											
E-20060	x	x	x	x											
E-20061	x	x	x	x											
37486.1	x	x	x	x											
37488.1	x	x	x	x											
37508.2	x	x	x	x											
		x		x											
ERSYS *															
CAT5C-SIJ-FKey-002		x		x											
Ersys 356k-8c5e		x		x											
Ersys 628MC-8-C5E		x		x											
	x	x	x	x											
GIGAMEDIA *															
RJ45 CAT6 UTP / STP	x	x	x	x											
RJ45 CAT6 contacts 110 UTP / STP	x	x	x	x											
RJ45 CAT5e UTP / STP	x	x	x	x											
3M *															
Volition RJ45 K6 module without shielding cover		x		x											

Compatibility of data connections

MANUFACTURER	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917.005
KERPEN *															
Eline 250 MLS RJ45, shielded	x	x	x	x											
Eline 250 MLU RJ45, unshielded	x	x	x	x											
ELine 600® GG45 socket / 9ZE20001	x	x	x	x											
VarioKeystone socket module RJ45					x	x									
	x	x	x	x											
NEXANS * (can only be fitted with additional Keystone clip)															
LANmark-5 snap-in EVO									x	x					
LANmark-6 EVO RJ45 snap-in									x	x					
LANmark-6 10G snap-In									x	x					
LANmark-7 GG45 snap-in									x	x					
					x	x									
Panduit *															
Mini-Com® Mini-Jack™ category 3 UTP jack modules															x
Mini-Com® TX5e™ keyed shielded jack modules															x
Mini-Com® category 6 UTP coupler module															x
Reichle de Masari *															
RDM CAT6															x
RUTENBECK *															
UM-real.cat.6a A	x	x	x	x											
	x	x	x	x											
SETEC *															
CAT6 modular Keystone jack, shielded	x	x	x	x											
SeSix eXtra Keystone jack XKJ	x	x	x	x											
SeSix universal Keystone jack UKJ	x	x	x	x											
SeSix modular Keystone jack MKJ	x	x	x	x											
SYSTEMAX *															
MGS500 CAT6 series								x							
MGS400 series								x							
									x						
TELEGÄRTNER *															
AMJ module K CAT6+	x	x													
AMJ coupling K CAT6	x	x													
AMJ coupling K CAT5e	x	x													
	x	x	x	x											
TKM *															
RJ-MOD - cat. 6 / 4677682	x	x	x	x											
GG45 / 4677701 (can be fitted with Keystone clip)	x	x	x	x											

*Name and product designation of respective manufacturer

Front

Rear

Art. no.

Version



Custom module 1x VGA + mini stereo jack black

917.045



- Front: VGA socket and mini stereo jack
- Rear: VGA socket and mini stereo jack with 0.1m cable
- Requires approx. 70 mm installation depth



Custom module 1x VGA + mini stereo jack black

917.071



- Front: VGA socket and mini stereo jack
- Rear: screw terminal 10-pole (VGA) and 3-pole (stereo)
- Requires approx. 50 mm installation depth



Custom module 1x VGA + mini stereo jack white

917.160



- Front: VGA socket and mini stereo jack
- Rear: screw terminal 10-pole (VGA) and 3-pole (stereo)
- Requires approx. 50 mm installation depth



Custom module 1x VGA + mini stereo jack black

917.073



- Front: VGA socket and mini stereo jack
- Rear: 5x BNC socket with 0.3m cable (VGA) and 3-pole (stereo)
- Requires approx. 50 mm installation depth



Custom module 1x VGA + mini stereo jack black

917.150



- Front: VGA socket and mini stereo jack
- Rear: VGA + mini stereo jack socket each with 0.2m cable
- Requires approx. 50 mm installation depth



Custom module 1x VGA + mini stereo jack and button for MediaNet switch black

917.134



- Front: VGA socket and mini stereo jack + button, blue illuminated
- Rear: VGA socket and mini stereo jack with 0.1m cable + RJ12 socket for button
- Requires approx. 70 mm installation depth

Media technology

All modules are supplied with 2 Torx T6 screws. Suitable cables can be found in the accessories

Art. no.	Version	Front	Rear
917.074	<p>Custom module 1 x VGA + mini stereo jack and button for MediaNet switch black</p> <ul style="list-style-type: none"> · Front: VGA socket and mini stereo jack + button, blue illuminated · Rear: screw terminal 10-pole (VGA) and 3-pole (stereo) + micro clamp terminal (button) · Requires approx. 50 mm installation depth 		
917.077	<p>Custom module 1 x VGA + mini stereo jack and button for MediaNet switch black</p> <ul style="list-style-type: none"> · Front: VGA socket and mini stereo jack + button, blue illuminated · Rear: 5x BNC socket with 0.3m cable (VGA) and 3-pole (stereo) + micro clamp terminal (button) · Requires approx. 50 mm installation depth 		
917.011	<p>Custom module 1x VGA black</p> <ul style="list-style-type: none"> · Front: VGA socket · Rear: VGA socket · Requires approx. 70 mm installation depth 		
917.069	<p>Custom module 1x VGA black</p> <ul style="list-style-type: none"> · Front: VGA socket · Rear: screw terminal 10-pole (VGA) · Requires approx. 50 mm installation depth 		
917.070	<p>Custom module 1x VGA black</p> <ul style="list-style-type: none"> · Front: VGA socket · Rear: 5x BNC socket with 0.3m cable (VGA) · Requires approx. 35 mm installation depth 		
917.072	<p>Custom module 1x VGA black</p> <ul style="list-style-type: none"> · Front: VGA plug · Rear: screw terminal 10-pole (VGA) · Requires approx. 50 mm installation depth 		

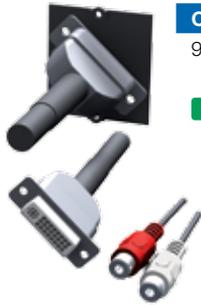
■ Facility systems
 ■ IT rack panel
 ■ Electrical installations

Front

Rear

Art. no.

Version



Custom module 1x DVI-I + mini stereo jack black

917.021



- Front: socket DVI-I and mini stereo jack
- Rear: socket DVI-I and mini stereo jack each with 0.1m cable
- Requires approx. 75 mm installation depth



Custom module 1x DVI-I + mini stereo jack black

917.078



- Front: socket DVI-I
- Rear: socket DVI-I with 0.1m cable
- Requires approx. 75 mm installation depth



Custom module 1x HDMI Keystone black

918.040



- Front: socket HDMI
- Rear: socket HDMI, without cable
- Mounting in Keystone frame 917.000 or 917.001
- Requires approx. 85 mm installation depth



Custom module 1x HDMI black

917.143



- Front: socket HDMI
- Rear: screw terminal 2 x 9-pole (HDMI)
- Requires approx. 40 mm installation depth



Custom module 1x HDMI white

917.183



- Front: socket HDMI
- Rear: screw clamp 249 poles (HDMI)
- Requires approx. 40 mm installation depth



Custom module 1x display port black

917.145



- Front: socket display port
- Rear: socket display port, without cable
- Requires approx. 70 mm installation depth

Video technology

Video and audio modules

You will find detailed information on intended use in the glossary

Art. no.	Version	Frontseite	Rückseite
Module 1x video + Cinch stereo BVM-1 black			
917.026	<ul style="list-style-type: none"> · Front: Cinch video (yellow) socket / socket · Rear: Cinch stereo (red + white) socket / socket without cable 		
 			
Custom module 1x Cinch video + stereo black			
917.085	<ul style="list-style-type: none"> · Front: Cinch video (yellow) + Cinch stereo (red + white) · Rear: screw terminal 10-pole (VGA) · Requires approx. 50 mm installation depth 		
  			
Custom module 1x Cinch video + stereo black			
917.161	<ul style="list-style-type: none"> · Front: Cinch video (yellow) + Cinch stereo (red + white) · Rear: screw terminal 10-pole (VGA) · Requires approx. 50 mm installation depth 		
  			
Module 1x VBNC + Cinch stereo black			
917.027	<ul style="list-style-type: none"> · Front: BNC video (yellow) socket / socket · Rear: Cinch stereo (red + white) socket / socket without cable 		
 			
Module 1x S-Video + Cinch stereo black			
917.028	<ul style="list-style-type: none"> · Front: S-Video (S-VHS) socket / socket, without cable · Rear: Cinch stereo (red + white) socket / socket without cable 		
 			
Custom module 1x S-Video + Cinch stereo black			
917.081	<ul style="list-style-type: none"> · Front: S-Video + Cinch stereo (red + white) · Rear: screw terminal 4-pole (S-Video) + 3-pole (Cinch stereo) · Requires approx. 30 mm installation depth 		
  			
Custom module 1x S-Video + Cinch stereo black			
917.162	<ul style="list-style-type: none"> · Front: S-Video + Cinch stereo (red + white) · Rear: screw terminal 4-pole (S-Video) + 3-pole (Cinch stereo) · Requires approx. 30 mm installation depth 		
  			

Front	Rear	Art. no.	Version	
		Module 1x S-Video + Cinch stereo 917.035	<ul style="list-style-type: none"> · Front: S-video (S-VHS) socket / socket · Rear: Cinch video (yellow) socket / socket, without cable 	black ■ ■
		Custom module 1x S-video + Cinch video 917.083	<ul style="list-style-type: none"> · Front: S-video + Cinch video (yellow) · Rear: screw terminal 4-pole (S-video) + 0.3m cable with 2x BNC (stereo) · Requires approx. 30 mm installation depth 	black ■ ■ ■
		Custom module 1x BNC R / G / B 917.088	<ul style="list-style-type: none"> · Front: BNC socket R / G / B (red / green / blue) · Rear: screw terminal 6-pole · Requires approx. 30 mm installation depth 	black ■ ■ ■
		Custom module 1x BNC R / G / B 917.090	<ul style="list-style-type: none"> · Front: BNC socket R / G / B (red / green / blue) · Rear: BNC socket R / G / B (red / green / blue) · Requires approx. 65 mm installation depth 	black ■ ■
		Custom module 1x SAT / TV / radio 917.030	<ul style="list-style-type: none"> · Front: F plug (SAT) and 2x COAX socket (TV + radio) · Rear: F plug (SAT) and 2x COAX socket (TV + radio) · Requires approx. 50 mm installation depth 	black ■ ■
		Custom module 1x TV / radio 917.117	<ul style="list-style-type: none"> · Front: 2x COAX socket (TV + radio) · Rear: 2x COAX socket (TV + radio) · Requires approx. 50 mm installation depth 	black ■ ■
		Custom module 1x Cinch stereo 917.022	<ul style="list-style-type: none"> · Front: Cinch stereo sockets (red + white) · Rear: Cinch stereo sockets (red + white) · Requires approx. 55 mm installation depth 	black ■ ■

Video and audio modules

You will find detailed information on intended use in the glossary

Art. no.	Version	Color	Front	Rear
917.089	<ul style="list-style-type: none"> · Front: Cinch stereo sockets (red + white) · Rear: screw terminal 3-pole (Cinch stereo) · Requires approx. 35 mm installation depth 	black		
917.163	<ul style="list-style-type: none"> · Front: Cinch stereo sockets (red + white) · Rear: screw terminal 3-pole (Cinch stereo) · Requires approx. 35 mm installation depth 	white		
917.023	<ul style="list-style-type: none"> · Front: mini stereo jack sockets 3.5 mm (red + white) · Rear: Cinch stereo sockets (red + white) · Requires approx. 65 mm installation depth 	black		
917.157	<ul style="list-style-type: none"> · Front: stereo mini jack socket 3.5mm · Rear: mini stereo jack socket with 0.1m cable · Mounting in Keystone frame 917.000 or 917.001 · Requires approx. 65 mm installation depth 	black		
917.091	<ul style="list-style-type: none"> · Front: stereo mini jack socket 3.5mm · Rear: screw terminal 3-pole (mini stereo jack) · Requires approx. 35 mm installation depth 	black		
917.164	<ul style="list-style-type: none"> · Front: stereo mini jack socket 3.5mm · Rear: screw terminal 3-pole (mini stereo jack) · Requires approx. 35 mm installation depth 	white		
917.036	<ul style="list-style-type: none"> · Front: stereo jack socket 6.3mm · Rear: stereo jack socket 6.3mm with 0.1m cable · Requires approx. 65 mm installation depth 	black		

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 ■ IT rack panel
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Front	Rear	Art. no.	Version
		917.024	<p>Custom module 1x XLR microphone 3-pole black</p> <ul style="list-style-type: none"> · Front: XLR microphone 3-pole socket · Rear: XLR 3-pole plug with 0.1m cable · Requires approx. 65 mm installation depth
		917.096	<p>Custom module 1x XLR socket 3-pole black</p> <ul style="list-style-type: none"> · Front: XLR 3-pole socket · Rear: screw terminal 3-pole (mini stereo jack) · Requires approx. 40 mm installation depth
		917.165	<p>Custom module 1x XLR socket 3-pole white</p> <ul style="list-style-type: none"> · Front: XLR 3-pole socket · Rear: screw terminal 3-pole (mini stereo jack) · Requires approx. 40 mm installation depth
		917.099	<p>Custom module 1x XLR socket 4-pole black</p> <ul style="list-style-type: none"> · Front: XLR 4-pole socket · Rear: screw terminal 4-pole (mini stereo jack) · Requires approx. 40 mm installation depth
		917.101	<p>Custom module 1x XLR socket 5-pole black</p> <ul style="list-style-type: none"> · Front: XLR 5-pole socket · Rear: screw terminal 5-pole (mini stereo jack) · Requires approx. 40 mm installation depth
		917.095	<p>Custom module 1x XLR plug 3-pole black</p> <ul style="list-style-type: none"> · Front: XLR 3-pole plug · Rear: screw terminal 3-pole (mini stereo jack) · Requires approx. 40 mm installation depth
		917.098	<p>Custom module 1x XLR plug 4-pole black</p> <ul style="list-style-type: none"> · Front: XLR 4-pole plug · Rear: screw terminal 4-pole (mini stereo jack) · Requires approx. 40 mm installation depth

Audio technology and data transfer

Audio modules

You will find detailed information on intended use in the glossary

Art. no.	Version	Front	Rear
Custom module 1x XLR plug 5-pole black			
917.100	<ul style="list-style-type: none"> · Front: XLR 5-pole plug · Rear: screw terminal 5-pole (mini stereo jack) · Requires approx. 40 mm installation depth 		
Custom module 1x XLR socket 3-pole + 1x stereo jack socket 6.3mm black			
917.094	<ul style="list-style-type: none"> · Front: XLR socket 3-pole + stereo jack socket 6.3mm · Rear: screw terminal 2 x 3-pole · Requires approx. 40 mm installation depth 		
Custom module 1x Speakon 2-pole + stereo jack 6.3mm black			
917.102	<ul style="list-style-type: none"> · Front: Speakon socket + stereo jack 6.3mm · Rear: screw terminal · Requires approx. 50 mm installation depth 		
Custom module 1x Speakon 4-pole black			
917.110	<ul style="list-style-type: none"> · Front: Speakon 4-pole socket · Rear: screw terminal · Requires approx. 40 mm installation depth 		
Custom module 1x stereo loudspeaker connection black			
917.114	<ul style="list-style-type: none"> · Front: stereo loudspeaker screw connection (red + black) · Rear: screw terminal · Requires approx. 30 mm installation depth 		

Data transfer

Data transfer

You will find detailed information on intended use in the glossary

Front

Rear

Art. no. | Version



Custom module 1x USB 3.0 A / A Keystone black

- 917.120
- Front: USB socket A
 - Rear: USB socket A
 - Mounting in Keystone frame 917.000 or 917.001 (see page 58)
 - Requires approx. 85 mm installation depth



Custom module 2x USB 2.0 A / A black

- 917.141
- Front: 2x USB socket A
 - Rear: screw terminal 2x 4-pole
 - Requires approx. 40 mm installation depth



Custom module 2x USB 2.0 A / A white

- 917.182
- Front: 2x USB socket A
 - Rear: screw terminal 2x 4-pole
 - Requires approx. 40 mm installation depth



Custom module 1x USB 2.0 A / B black

- 917.018
- Front: USB socket A
 - Rear: USB socket B
 - Requires approx. 85 mm installation depth



Custom module 1x USB 2.0 B / A black

- 917.019
- Front: USB socket B
 - Rear: USB socket A
 - Requires approx. 85 mm installation depth



Custom module 1x FireWire black

- 917.037
- Front: FireWire socket 6-pole
 - Rear: FireWire socket 6-pole
 - Requires approx. 85 mm installation depth



Custom module RS232 socket black

- 917.075
- Front: RS232 SubD 9-pole socket
 - Rear: screw terminal 9-pole
 - Requires approx. 40 mm installation depth



Custom module RS232 plug black

- 917.076
- Front: RS232 SubD 9-pole plug
 - Rear: screw terminal 9-pole
 - Requires approx. 40 mm installation depth



■ Facility systems
 ■ IT rack panel
 ■ Electrical installations

Data, power and control

Data transfer

You will find detailed information on intended use in the glossary

Art. no.	Version	Front	Rear
Custom module 1x RS232 socket black			
917.012	<ul style="list-style-type: none"> · Front: RS232 SubD 9-pole socket · Rear: RS232 SubD 9-pole socket · Requires approx. 70 mm installation depth 		
 			
Custom module 1x RS232 socket crossover black			
917.116	<ul style="list-style-type: none"> · Front: RS232 SubD 9-pole socket · Rear: RS232 SubD 9-pole socket crossover (crossed) · Requires approx. 70 mm installation depth 		
 			
Custom module PS2 mouse + keyboard black			
917.031	<ul style="list-style-type: none"> · Front: 2x MiniDIN socket 6-pole (mouse - mint green and keyboard - purple) · Rear: 2x MiniDIN socket 6-pole (mouse - mint green and keyboard - purple) · Requires approx. 50 mm installation depth 		
  			

Power transmission

Custom module Power Con blue (power input) black			
917.112	<ul style="list-style-type: none"> · Front: Power Con socket, blue · Rear: screw terminal, incl. 2 crimp bushings and cover cap · Requires approx. 40 mm installation depth 		
  			
Custom module Power Con grey (power output) black			
917.113	<ul style="list-style-type: none"> · Front: Power Con socket, grey · Rear: screw terminal, incl. 2 crimp bushings and cover cap · Requires approx. 40 mm installation depth 		
  			

Control

Control

You will find detailed information on intended use in the glossary

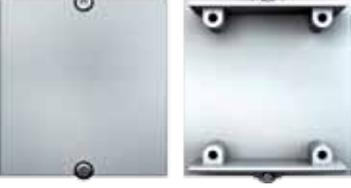
Front	Rear	Art. no.	Version
		917.093	<p>Custom module with 4-button keypad for EnOcean application black</p> <ul style="list-style-type: none"> · Front: 4 buttons, white, blue illuminated, with various pictograms for labelling can be programmed for EnOcean application; with integrated radio module battery-backed; · Requires approx. 35 mm installation depth
		917.046	<p>Custom module with stainless steel buttons black</p> <ul style="list-style-type: none"> · Front: stainless steel button; switching capacity: 50 mA/24 V/DC; Switching voltage: 24 V/DC; switching current: 50 mA · Rear: screw terminal 2-pole · Requires approx. 30 mm installation depth
		917.047	<p>Custom module with stainless steel button, illuminated blue black</p> <ul style="list-style-type: none"> · Front: stainless steel button, illuminated blue (ring lighting); switching capacity: 50 mA/24 V/DC; Switching voltage: 24 V/DC; switching current: 50 mA · Rear: solder pins 4-pole · Requires approx. 30 mm installation depth
		917.060	<p>Custom module with automatic switchoff button black</p> <ul style="list-style-type: none"> · Front: black button; · Rear: GST15i2 plug-in connector with 1.0m cable (suitable for power strips with automatic switchoff, e.g. STEP automatic switchoff 906.005) · Requires approx. 40 mm installation depth
		917.152	<p>Custom module with button black</p> <ul style="list-style-type: none"> · Front: Up / Down button · Rear: 1.0m 3G1.0mm² cable with end sleeves (leads labelled accordingly) · Requires approx. 60 mm installation depth
		917.135	<p>Custom module with switch (for switching external devices) black</p> <ul style="list-style-type: none"> · Front: 2-pole rocker switch green · Rear: 1.0m H05VV-F 4G1.50mm² cable with end sleeves (leads labelled accordingly) · Requires approx. 60 mm installation depth
		917.127	<p>Custom module with 4-button keypad for Media control unit black</p> <ul style="list-style-type: none"> · Front: 4 buttons, white, blue illuminated, with various pictograms for labelling · Rear: 2x RJ45 sockets for connecting to the media controller and forwarding to other similar modules · Requires approx. 30 mm installation depth · Note: cannot be used in electrical installations!
		917.056	<p>Custom module with 4-button keypad for KNX application black</p> <ul style="list-style-type: none"> · Front: 4 buttons, white, blue illuminated, with various pictograms for labelling can be programmed on KNX installations; with integrated BUS coupler; · Voltage supply: 30V DC system voltage via BUS push-in terminal; · Rear: BUS push-in terminal 2-pole · Requires approx. 35 mm installation depth

■ Facility systems
 ■ IT rack panel
 ■ Electrical installations

Accessories

Accessories

You will find detailed information on intended use in the glossary

Art. no.	Version		
Custom module blank cover black			
917.009	<ul style="list-style-type: none"> · Blank cover as placeholder or for individual configuration with own plug-in connector · Material: plastic, black, material thickness 1.8mm 		
Custom module blank cover black			
917.166	<ul style="list-style-type: none"> · Blank cover as placeholder or for individual configuration with own plug-in connector · Material: plastic, white, material thickness 1.8mm 		
Custom module blank cover with screw domes black			
917.010	<ul style="list-style-type: none"> · Blank cover as placeholder or for individual configuration with own plug-in connector · Screw domes on rear of module for fastening e.g. cards or sheet steel holders · Material: plastic, black, material thickness 1.8mm 		
Custom module blank cover with screw domes white			
917.167	<ul style="list-style-type: none"> · Blank cover as placeholder or for individual configuration with own plug-in connector · Screw domes on rear of module for fastening e.g. cards or sheet steel holders · Material: plastic, white, material thickness 1.8mm 		
Torx T6 screws for custom modules in Facility power strips			
917.041	<ul style="list-style-type: none"> · Designed for 10 screwing cycles; content: 10 items in black 		
Torx T6 screws for custom modules in electrical installations (mounting plate) and 10" + 19" panels			
917.111	<ul style="list-style-type: none"> · Designed for 10 screwing cycles; content: 10 items in black 		
Torx T6 screwdriver			
917.040	<ul style="list-style-type: none"> · Torx T6 screwdriver to fit the screws on the custom modules 		



Media technology

Bachmann media technology systems provide a flexible and elegant solution for individual media management in conference and training rooms. From simply switching between image and sound signals to a complete central control of all media, this solution can be tailored to the needs of every user.

With its modern components, including control elements from the global market leader AMX® plus all connecting systems, Bachmann media technology systems offer all that is required for any application. Thanks to its modular construction and intelligent cabling, the system can be quickly installed or adapted to specific requirements.

The flexibility of Bachmann complete solutions is complemented by their elegance. Regardless of how complex the Bachmann media technology system configuration is, it can be integrated seamlessly into the Bachmann Facility systems.



Media Express

Plug-and-play for simplicity and efficiency.

The Bachmann media technology Media Express system lets you switch between different video and sound signals and is already integrated into the connection panels of the Bachmann Facility product ranges. In addition to switching between image and sound signals, Media Express also extends the network connection to each user.

Media Switch

Flexible and reliable thanks to high-quality components.

The Media Switch (AMX® inside) allows simple routing of image and sound signals from multiple users to various output devices such as beamers, projectors or monitors. All these elements can be combined with existing Bachmann Facility products.

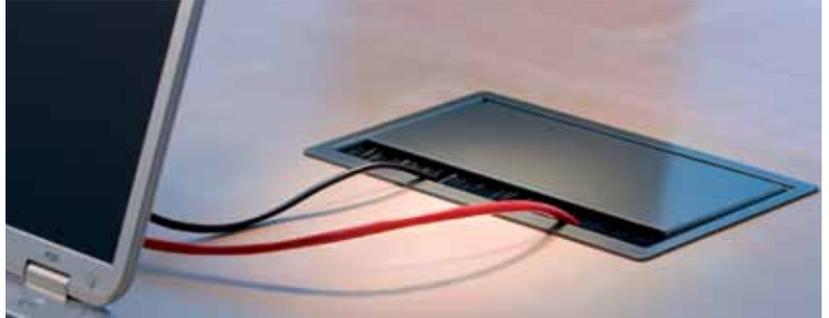
Media Control

Simple control of complex processes in media and facility applications.

The Media Control (AMX® inside) system uses control units to govern the various media from a central point. It is thus possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy for visitors to grasp quickly.

Media Express –

Plug-and-play for simplicity and efficiency.



Problem-free integration

Media Express is the solution for simple switching between image and sound signals. This system is already integrated into the connection panels of the Bachmann Facility product ranges. In addition to switching between signals, it gives a network connection to each user.

With Media Express the individual connection panels are linked in a 'daisy-chain' series. This chain requires only one cable set with 3 connections. The connections are inserted into the connection panels on a plug-and-play basis. No programming of the units is necessary and the sequence of the connection units can be freely selected. The system is self-initialising and can be used immediately.

Flexible switching

The signal-switching function enables image and sound signals to be sent from the connection panel to a beamer, projector or monitor screen. Authorisation to transmit the user's image and sound signal is activated by means of a dedicated button. An LED on the button indicates activation.

For image transmission the common 15-pin VGA sub-D system is provided on the front of the connection panel. This allows laptops to be connected easily using VGA connector cables. Of particularly practical benefit, no additional signal booster is necessary as this is integrated into the feeder box. This assures problem-free image transmission (so long as the maximum number of users and cable length are observed). The system can be built with a single infeed. Up to 20 connection panels can be linked via connector cables. No central switching box is required. Beamers, projectors or monitors can be connected directly to the feeder box.

Simplicity of linking

Connection to the network requires only one access point (via the feeder cable). Two RJ45 LAN ports with signal boosting on each connection panel allow laptops to be connected. Thus the network is linked from one user to the next via the connector cable. The built-in network switch is designed for 10/100 Mbit and is sufficient, depending on the specific installation, for up to 20 participants.

Feeder box

The system structure requires the use of a feeder box. This box provides the link between the connection panels and the output devices (beamer, audio, network etc). Only one feeder adaptor is required in the chain after every seventh connection panel.

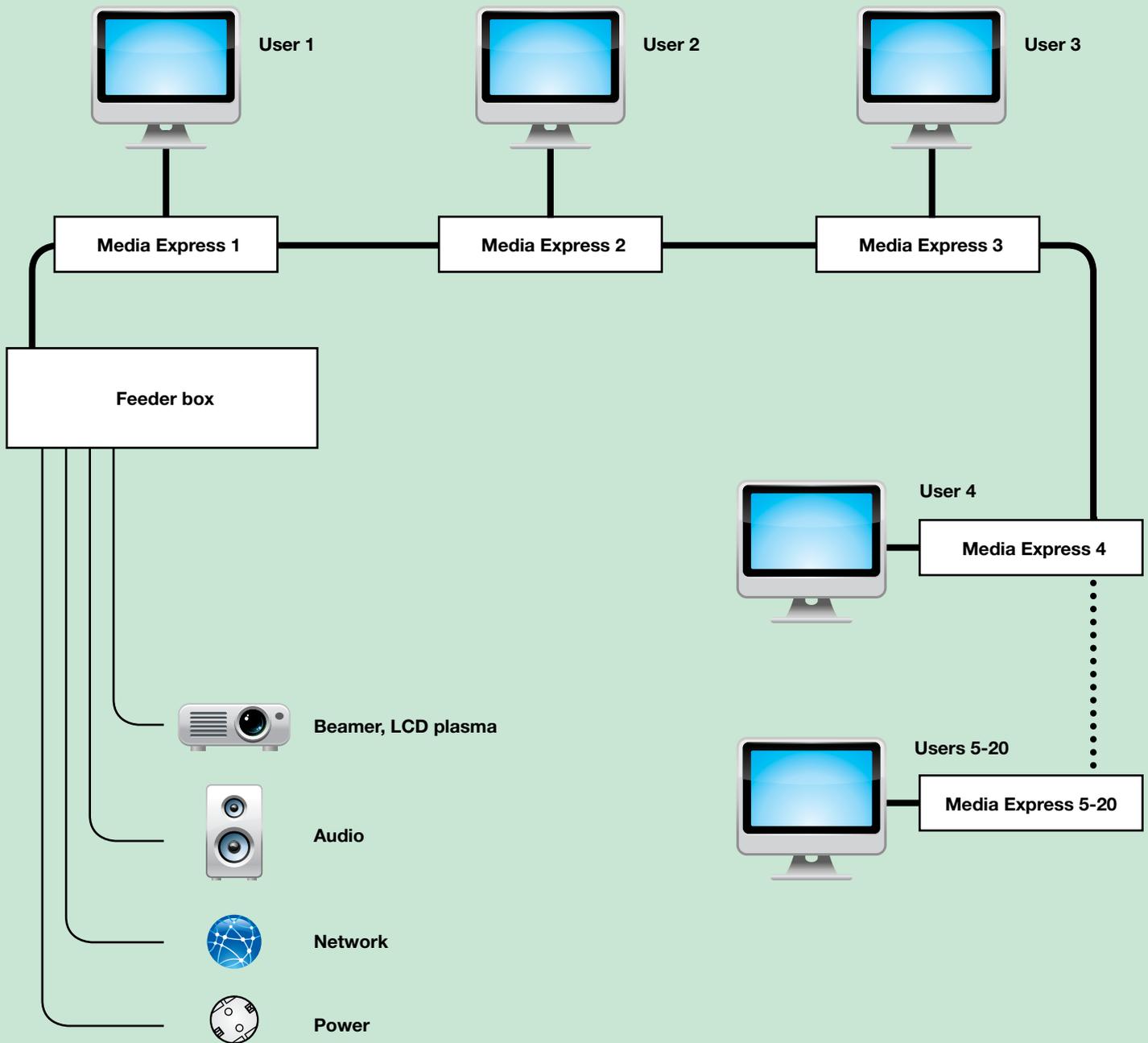
The advantages at a glance

- Simple plug-and-play principle
- Electronics ready integrated in connection panel
- Available for most Bachmann Facility systems
- Pre-cabled
- Image, sound and network forwarding
- Simple, decentralised signal switching
- Compact, space-saving unit

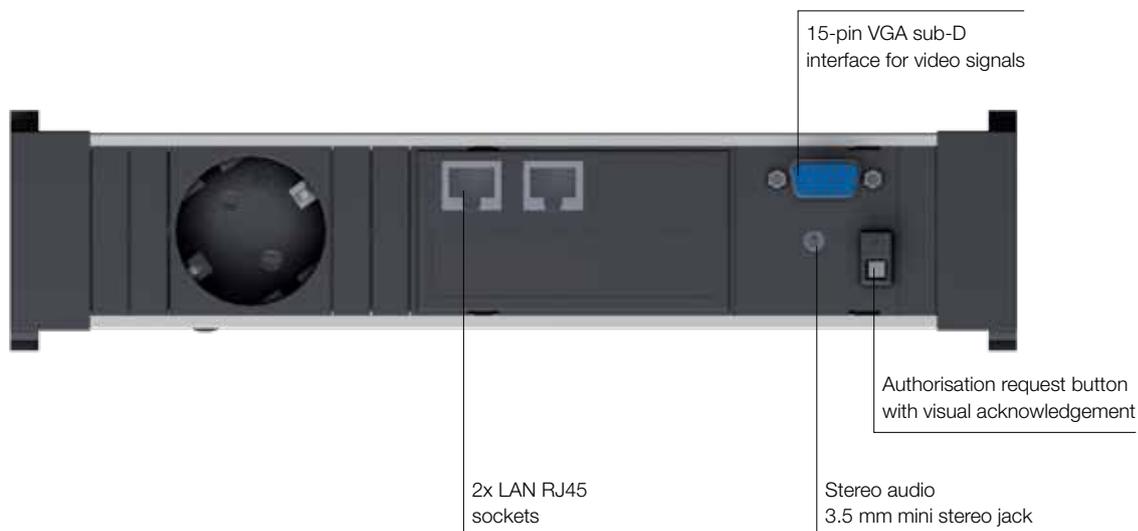
Configuration information and lists of applications are available at www.bachmann.com.

Should you have any questions concerning your project, contact us at media@bachmann.com for assistance.

Schematic diagram



Overview of Media Express connections



Media Express technical data:

Video/Audio:

- Automatic hardware detection
- Input signal:
 - 0.7 Vss/75 ohm RGB, 5V H&V-sync, 1.8 Vss audio, 24 bit/96 kHz
 - 15-pin VGA sub-D plug
- Output signal:
 - 0.7 Vss/75 ohm RGB, 5V H&V-sync, 3.5 Vss audio, 24 bit/96 kHz
 - 26-pin sub-D socket
- Video bandwidth: (+/- 3dB) 300 MHz
- Resolution max: 1600 x 1024
- Transmission distance: 20x MediaNet Express modules/cable length: max. 50 m total
- Audio: stereo L/R

Connections:

- 1x 15-pin VGA sub-D
- 1x 3.5 mm mini stereo jack socket
- 2x LAN RJ45 sockets
- Sockets as per connection unit selected

Network:

- 2x RJ45 ports, 10/100 Mbit
- CAT5 with LED (speed and active LED)

Power supply unit:

- 2.5A; 18V
- Max. current consumption per connection unit: 500mA

Power strips

Media Express

The Media Express unit can also be integrated into other Facility systems such as Power Frame, Desk, Step.
Please ask us for the configuration you require.

- Anodised aluminium profile, black socket outlets, rotated 35°
- Media Express
- Power input: GST18i3
- Power outlet: GST18i3

Art. no.	Version		
1x earthing contact, GST18i3, short (TOP FRAME, CONFERENCE)		Length: approx. 260 mm	
1x Media Express			
903.2000	<ul style="list-style-type: none"> · 1 socket outlet with earthing contact · 1 Media Express 		
3x earthing contact, GST18i3, short (TOP FRAME, CONFERENCE)		Length: approx. 444 mm	CUSTOM
1x Media Express, 2x custom modules			
903.2001	<ul style="list-style-type: none"> · 3 socket outlets with earthing contact · 1 Media Express · 2 custom modules, empty 		
2x earthing contact, GST18i3 (CONI)		Length: approx. 356 mm	CUSTOM
1x Media Express, 1x custom module			
903.3000	<ul style="list-style-type: none"> · 2 socket outlets with earthing contact · 1 Media Express · 1 custom module, empty 		
3x earthing contact, GST18i3 (CONI)		Length: approx. 356 mm	
1x Media Express			
903.3001	<ul style="list-style-type: none"> · 3 socket outlets with earthing contact · 1 Media Express 		

Feeder box, feeder cable and connecting cable

Media Express feeder box



Art. no. | Version

Media Express feeder box
Signal feeder unit for Media Express system

- | | |
|---------|---|
| 903.400 | <ul style="list-style-type: none"> · Distribution of signals: <ul style="list-style-type: none"> – Image (beamer, projector), 15-pin VGA sub-D to 26-pin sub-D – Sound (loudspeakers), stereo jack to 26-pin sub-D – Data (network), RJ45 to RJ45 – Signal authorisation on 26-pin sub-D – RS-232 interface for optional programming |
|---------|---|

Media Express feeder adaptor

- Provides additional power to electronics
- Required after every seventh connection panel
- Can be inserted into cabling as an adaptor

Art. no. | Version

Media Express feeder adaptor
Adaptor

- | | |
|---------|---|
| 903.401 | <ul style="list-style-type: none"> · 1x 26-pin sub-D plug / plug · 1x low-voltage power input · 1x PSU with connector cable and low-voltage socket |
|---------|---|

Media Express feeder cable

- Feeder cable length 2.0 m
- The cable set is held together in a textile-fibre sleeve



Art. no. | Version

Media Express feeder cable
Feeder cable to feeder box

- | | |
|---------|--|
| 903.500 | <ul style="list-style-type: none"> · 1x 15-pin VGA plug / 26-pin sub-D socket · 1x CAT6 patch cable plug / plug, shielded · 1x power cable, right-angle earth contact plug and GST18i3 socket |
|---------|--|

Media Express connector cable

- Connecting cable, length 2.0 m
- The cable set is held together in a textile-fibre sleeve



Art. no. | Version

Media Express connector cable
To link one connection unit to another

- | | |
|---------|---|
| 903.600 | <ul style="list-style-type: none"> · 1x 26-pin sub-D (90° plug / 45° socket) · 1x CAT6 patch cable plug / plug, shielded · 1x power cable, Wieland GST18i3 plug and GST18i3 socket |
|---------|---|

Typical Media Express order

Typical order for 4 presentation stations



Quantity	Art. no.	Description
4x		Media Express unit of your choice (p.7) (903.2000, 903.2001, 903.2000, 903.2001)

Media Express

Quantity	Art. no.	Description
1x	903.400	Signal feeder unit for Media Express system
1x	903.500	Feeder cable to feeder box
Please remember that 1x art. no. 903.401 is required after every seven connection panels.		

Feeder cable

Quantity	Art. no.	Description
3x	903.600	Connecting cable to link one connection unit to another

Connections



Projector



Audio



Network



Power

Configuration information and lists of applications are available at www.bachmann.com.
Should you have any questions concerning your project, contact us at media@bachmann.com for assistance.

Media Switch –

flexible and reliable thanks to high-quality components.



Easy to install

Today's meeting rooms are equipped such that the signal to an output device (projector etc) can be switched between various sources. Key requirements are also ease of installation, ease of use and flexibility. An exemplary solution to all these conditions is the Media Switch system.

Ease of integration

The control elements can be fitted into existing Bachmann Facility products on a plug-and-play basis. Like all Bachmann media technology systems, Media Switch is also simple to plan, easy to install and straightforward to use. Several users can dock their laptops simultaneously via the multiple connection panels.

The VGA sockets on the connection panels allow e. g. presentations to be sent to the beamer.

As soon as a user presses the button on his/her connection panel, the switch selects the image signal on that panel/laptop. The connection to the switch is set up via a pre-prepared set of cables. The button press issues a command to the switch to route the incoming image and sound signals to the beamer and loudspeakers.

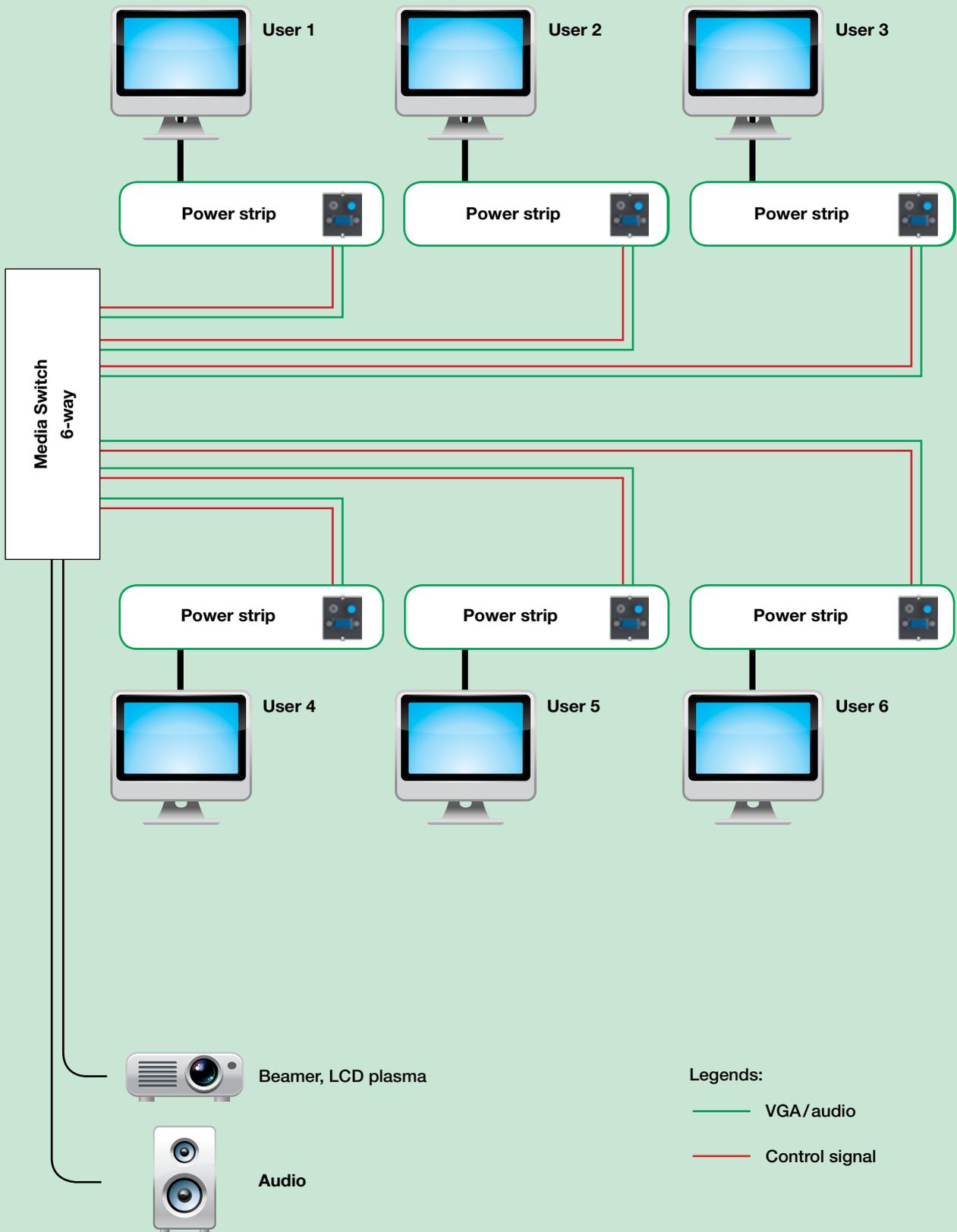
Signal booster

To ensure problem-free image signals, it is recommended that signal boosters are used with the Media Switch system. This enables image signals from devices with less powerful graphics cards to be transmitted with significantly better quality. The signal booster is fitted between each connection panel and the switch.

Switching is effected by pressing the button on a custom module with VGA and mini stereo jack on the connection panel. As soon as the button is pressed, the image and sound signals are routed to the switch. The button is illuminated blue until another user activates the button on his/her own connection panel to obtain signal authorisation.

The advantages at a glance

- Simple, low-cost signal switching
- Star configuration, ideal for small meeting rooms
- Plug-and-play inputs
- Decentralised switching: each user can request authorisation by pressing a button
- Additional switches can be cascaded one after the next to expand the system for larger numbers of users
- Connects to all Bachmann Facility systems via built-in VGA, mini stereo jack and switch button connections (see art. no. 917.143)
- Pre-prepared cabling for connection between connection panel/signal booster and switch



Switch

Switch

Suitable mountings from page 24

- Power supply: 9–12V DC 15W
- Supplied with power cable and operating instructions in German and English



For switch **903.100** there are two options for connecting to the custom module **917.134**:

1. without authorisation acknowledgement, i. e. button is not illuminated when authorisation is granted. For this the set is used with the **signal converter, art. 903.113** (see page 96).
2. with authorisation acknowledgement, i. e. button is illuminated blue when authorisation is granted. For this the set is used with the **signal converter art. 903.112** (see page 96).

Art. no. | Version

Switch L x W x H: 145 x 115 x 40 mm

2x VGA/audio input, 1x VGA/audio output

- 903.100
- RGB input/output: analogue HD-15 (VGA)
 - Impedance 75 ohms/Max. signal level 1V p-p
 - RGB bandwidth: 400 MHz -3dB
 - RGB return loss: 45dB@10MHz, 27dB@100MHz
 - Adjacent input crosstalk: 73dB@10MHz, 50dB@100MHz
 - Audio input/output: analogue 3.5 mm stereo / max level 2V p-p



For the switch **903.101** there are the options of connecting the custom module **917.134** by means of the signal converter **903.112** (see page 24) with visual acknowledgement as button illumination.

Art. no. | Version

Switch L x W x H: 225 x 125 x 45 mm

4x VGA/audio input, 1x VGA/audio output

- 903.101
- RGB input/output: analogue HD-15 (VGA)
 - Impedance 75 ohms/Max. signal level 1V p-p
 - RGB bandwidth: 350 MHz -3dB
 - RGB return loss: 45dB@10MHz, 32dB@100MHz
 - Audio input/output: analogue 3.5 mm stereo / max level 2V p-p

Switch



For the switch **903.102** there are the options of connecting the custom module **917.134** by means of the signal converter **903.112** (see page 24) with visual acknowledgement as button illumination.

Art. no. | Version

Switch		L x W x H: 482 x 170 x 45 mm
6x VGA/audio input, 1x VGA/audio output		
903.102	<ul style="list-style-type: none"> · RGB input/output: analogue HD-15 (VGA) <ul style="list-style-type: none"> – Impedance 75 ohms/Max. signal level 1V p-p – RGB bandwidth: 400 MHz -3 dB – RGB return loss: 45dB@10MHz, 2dB@100MHz · Audio input/output: analogue 3.5 mm stereo/max level 2V p-p · Mounting for 19" fitting included 	

Signal booster

Signal booster

Suitable mountings from page 24

- Interference can sometimes occur, particularly with video signals. This may be caused e. g. by lower-power graphics cards on the laptop or by long cable lengths
- To strengthen such video signals we recommend the use of a signal booster for each user
- This provides optimum boosting of the signal and prevents interference when used by different users
- Additional output (VGA 15HD) allows connection of an additional monitor
- Compact, easily-installed unit



Art. no. | Version

VGA signal booster		L x W x H: 150 x 70 x 35 mm
1x VGA input, 2x VGA output		
903.104	<ul style="list-style-type: none"> · RGB input/output: analogue HD-15 (VGA), <ul style="list-style-type: none"> – 1x video IN / 2x video OUT – Impedance 75 ohms/Max. signal level 1V p-p – Output gain 1.0 (unity) – RGB bandwidth: 400 MHz -3dB – Power supply: 9V DC 3W · Includes power cable and operating instructions in German and English 	

Typical order for Media Switch

Typical order for 4 presentation stations



Quantity	Art. no.	Description
4x		Power strips from Bachmann Facility systems with space for custom module
4x	917.134	Custom module VGA, mini stereo jack and button for Media Switch

Desk connection panel

Quantity	Art. no.	Description
4x	903.104	VGA signal booster
4x	918.009	VGA connecting cable from power strip to signal booster
optional:		
4x	918.023	Mounting

Signal booster

Quantity	Art. no.	Description
1x	903.101	Switch 4-way VGA + audio
1x	918.023	Mounting

Switch

Quantity	Art. no.	Description
4x	903.107-110	VGA + sound + authorisation cable set / own choice of length
1x	903.112	2-6-way signal converter with acknowledgement

Cabling



Projector

Audio

Configuration information and lists of applications are available at www.bachmann.com.
Should you have any questions concerning your project, contact us at media@bachmann.com for assistance.

Media Control –

Simple control of complex processes in Media and Facility applications.



Central control

To control a variety of media from a central point, control units are used. This makes it possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy even for visitors or new users to grasp quickly. The various procedures can be individually performed between the operator panel (in the connection panel) and the control unit.

Simple to programme

Programming is very simple and can soon be achieved with the software provided and the instruction manual (German/English). Subsequent alterations or additions can also be performed without problems.

The control functions allow control of various media:

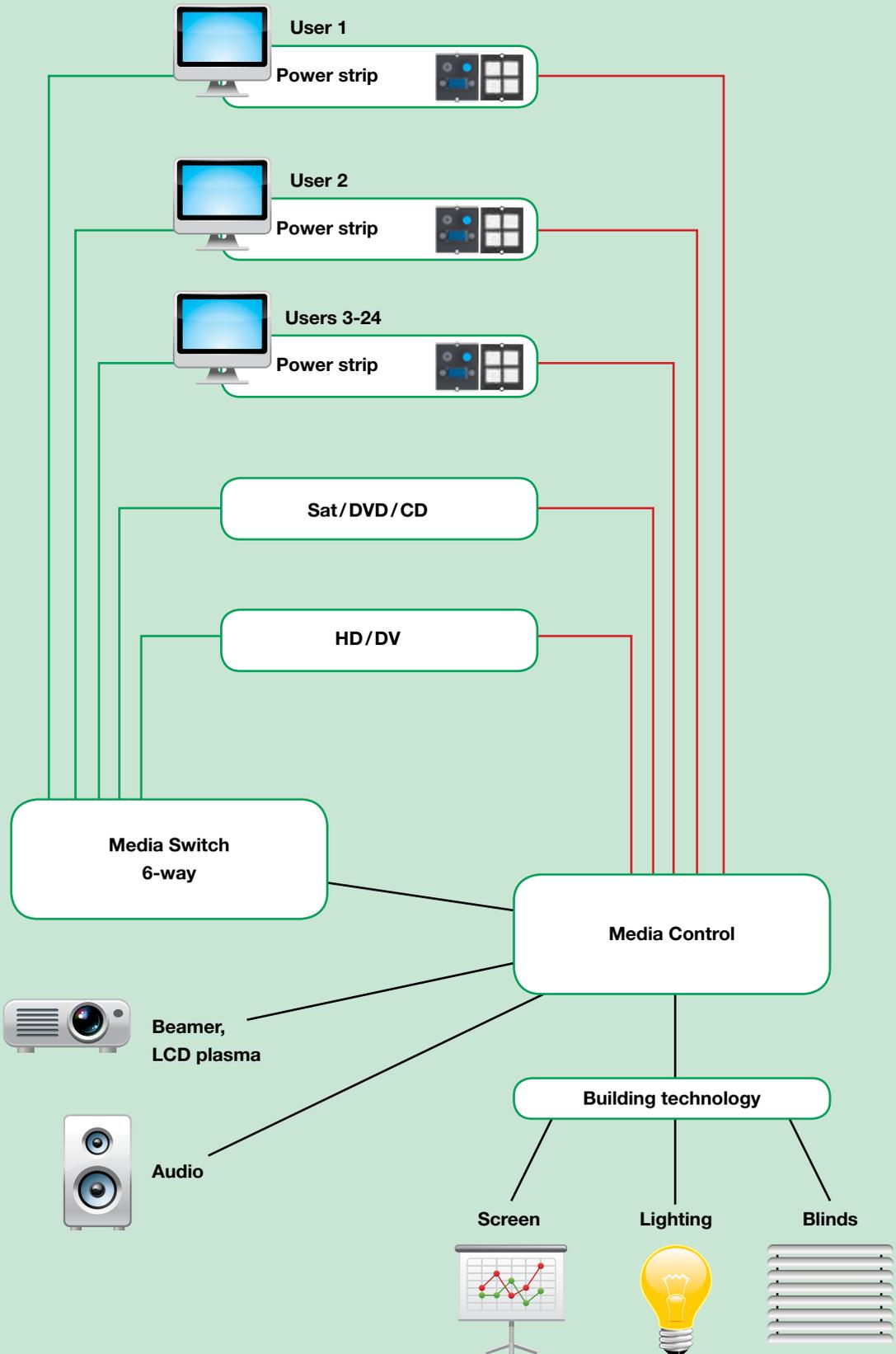
e. g. beamer, DVD, SAT, TV, projector screen, lighting, blinds etc.

The 2 built-in 230V~ 10A relays can be used for example to connect a screen directly to the control unit. This means that a power cable is sufficient for control.

The advantages at a glance

- Central control of multiple media
- Very easy to use
- Simple to install and easy-to-learn programming
- Plug-and-play operation adapted to Bachmann connection panels
- Up to 6 button modules can be connected in series or 2 strings with additional modules can be programmed for up to 24 button commands
- Multiple buttons can be programmed on the control unit with the same command (thus also allowing decentralised control)
- Simple connection of button modules via standard RJ45 patch cables (plug / plug)
- 2 built-in relays, 230V~ 10A with 1 earthing contact coupling for direct connection
- Ready-to-connect unit with accessories (programming cable, IR transmitter)
- Can be retrofitted to existing systems
- Pre-programmed demo version on CD
- Basic programming can be reinstalled if necessary (from CD or download).
- If desired, programming (sequences, devices etc) can be created and made available by Bachmann as an option

Schematic diagram



Legends:

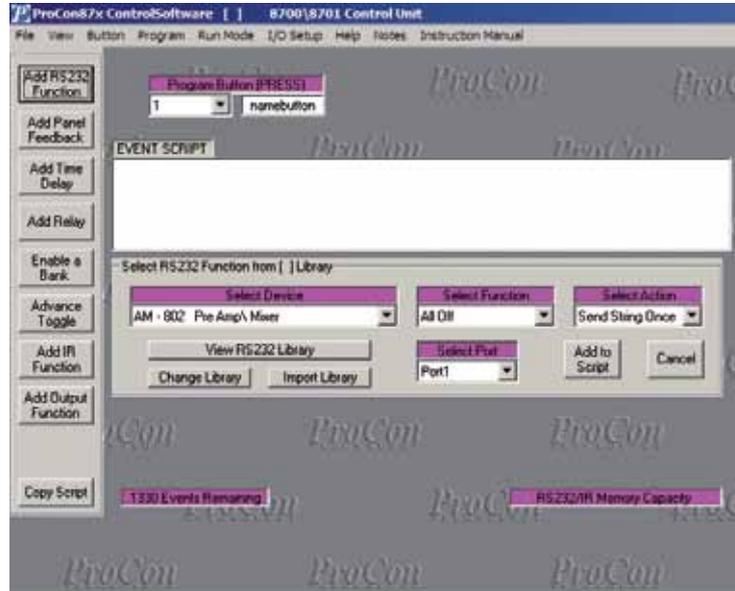
— VGA/audio

— Control signal

Media control

Media control

The software supplied makes even complex procedures simple to programme.



Start programmed procedures by pressing button



Pictograms for other button functions are provided

Cascadable up to 6 button arrays with 24 procedures

Keypad on page 96



Control unit

Media Control

Suitable mountings from page 96

- Memory: 8 Kb
- 2x 230V~ relays 10A, built-in
- 2x RS-232 interface
 - Baud rate 1200–57 600
 - Data bits 7/8
 - stop bits 1/2
 - Command string 1–22 bytes
- 2x infrared interface PPM or PWM
 - PWM frequency 30 – 62 KHz
- Power connection: 100–240V~
- PSU, programming cable, 2x infrared transmitters, programming software and operating instructions in German and English included



Art. no. | Version

Control unit L x W x H: 225 x 125 x 45 mm

Control system with programming function

- | | |
|---------|--|
| 903.105 | <ul style="list-style-type: none"> · Control system with programming function · I/O port: external switch detect input |
|---------|--|



TCP/IP control unit L x W x H: 225 x 125 x 45 mm

Control system with programming function and TCP/IP interface

- | | |
|---------|--|
| 903.106 | <ul style="list-style-type: none"> · Control system with programming function and TCP/IP interface · Devices from different manufacturers can communicate via the network · I/O port: · Input: external switch detect |
|---------|--|

Programming according to requirements

Available for control units 903.105 and 903.106

- | | |
|---------|---|
| 903.114 | <ul style="list-style-type: none"> · Programming by entry of: <ul style="list-style-type: none"> – connected devices (manufacturer, type) – required procedures (max. 24 commands) · The file is sent via e-mail |
|---------|---|

Presentations Switch

Switch Function

Combined source switch for 4 to 2 VGA, 6 to 2 S-video or CVBS and 10 to 2 stereo audio signals. In all cases the output signal is present on the two outputs simultaneously.

Ideal for applications with multiple types of signal source – RGBHV, S-video, CVBS and audio. The 6 video inputs can be driven with either S-video or CVBS signals. A combination of both signal types is possible.

The 10 audio inputs are designed for unbalanced stereo audio signals. One output offers an unbalanced and the other a balanced stereo signal for further processing. The audio input signal levels and the volume of the audio outputs are adjustable. Sound and video can both be silenced (mute/blank).

Control Function

The functions are controlled manually via the front operator panel or remotely via RS-232 from a button module on a connection panel. When operating the unit via RS-232 it is possible to switch audio and video inputs separately. A programmable RS-232 output port is also provided; this can be used to control displays or projectors.



Art. no. | Version

Presentation Switch Unit L x W x H: 150 x 70 x 35 mm

4x input/2x output VGA, 10x input/2x output audio, 6x input/2x output S-video

- | | |
|---------|---|
| 903.103 | <ul style="list-style-type: none"> · Inputs/signals: 4x RGBHV, 6x S-video/CVBS, 10x stereo audio · Outputs: 2 of each (dual) · Bandwidth: 350 MHz · Stereo audio: unbalanced to balanced · Front operator panel and operation via RS-232 · RS-232 control output for connected reproducing equipment · Power supply: 100 – 240V AC 15W · Includes power cable and operating instructions in German and English · Mounting for 19" fitting included |
|---------|---|

Typical order for Media Control

Typical order for 4 presentation stations



Quantity	Art. no.	Description
4x		Power strips from Bachmann Facility systems with space for custom module
4x	917.134	Custom module VGA, mini stereo jack and button for Media Switch
1-6x	917.127	Custom module button

Desk connection panel

Quantity	Art. no.	Description
4x	903.104	VGA signal booster
4x	918.009	VGA connecting cable from power strip to signal booster
optional:		
4x	918.023	Mounting

Signal booster

Quantity	Art. no.	Description
1x	903.101	Switch 4-way VGA + audio
1x	918.023	Mounting

Switch

Quantity	Art. no.	Description
1x	903.105	Control unit
1x	903.111	Control unit converter

Control unit

Quantity	Art. no.	Description
1-6x	918.006 - 008	Patch cable for connecting custom module button 917.127

Cable output



Projector



Audio



Screen



Lighting



Blinds

Configuration information and lists of applications are available at www.bachmann.com.

Should you have any questions concerning your project, contact us at media@bachmann.com for assistance.

KNX

Facility Control modules



Pushbutton modules in the Bachmann custom module format offer convenient control of light and blinds in open-plan and individual offices and meeting and conference rooms.

The control module is installed within the user's easy reach on the desk connection panel on office workstations or in meeting rooms. Then the lighting and blinds settings can be controlled with ease from the user's seat. The increased convenience lets the user respond to changing environmental situations – and thus save energy.

KNX pushbutton module 4-way



The 4-way KNX pushbutton module is designed as a custom module and can be integrated into Bachmann desk connection panels either by the manufacturer or retrospectively. Installation in rack and electrical installations is also possible with the custom module system.

Functions such as switching, dimming, storage of lighting scenes, blind control etc can be programmed by specialist personnel using the standard ETS software. For this, specialist knowledge and in-depth KNX training is required.

Each button can be custom configured and labelled accordingly (common pictograms are supplied). A blue lamp indicates the activity status.

This pushbutton module can be simply installed by KNX-trained personnel. The appropriate bus coupling is built into the module and can be simply connected to the bus cable by means of clips.

KNX/EIB 4-button custom module



Front:

- 4x buttons, square, self-labelling, blue backlit, programmable on EIB/KNX installations
- With integral bus coupler and bus terminal (can be labelled with physical address)
- Voltage supply: system voltage 30V DC via bus terminal
- Includes inserter with common pictograms
- Use: e. g. as buttons for controlling lighting, blinds etc.



Art. no. | Version

Micro clamp terminals

917.056

Rear:



- BUS plug-in terminals
- Requires approx. 35 mm installation depth

EnOcean pushbutton module 4-way

The EnOcean pushbutton offers wireless control of e. g. lighting, blinds, projector screen etc. Installation is simple: the pushbutton module can be used in Bachmann desk connection panels with custom modules or in wall or trunking installations. The required control signals are radio transmitted to the receiving device. Each button can be separately programmed. With EnOcean technology (868 MHz), interference is practically eliminated.

No cable installation is required for this module. Power is obtained from a built-in battery that will last for up to 1 million switching cycles.

If required the EnOcean pushbutton module can also be linked into the KNX building control system bus.

EnOcean 4-button custom module



Front:

- 4x buttons, square, self-labelling, backlit blue
- Programmable on EnOcean applications
- Voltage supply:
radio module battery-backed
- Includes inserter with common pictograms
- Use: e. g. as buttons for controlling lighting, blinds etc.



Art. no.	Version
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Micro clamp terminals

917.093

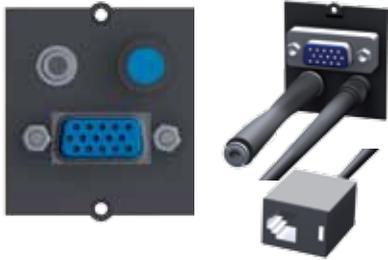
Rear:

- Includes battery
- Requires approx. 35 mm installation depth



Accessories

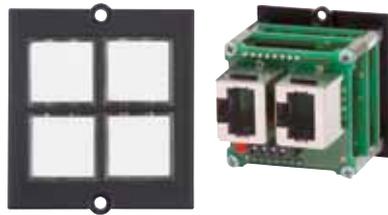
Custom modules



Art. no. | Version

Custom module VGA, mini stereo jack and button for Media Switch

- | | |
|---------|---|
| 917.134 | <ul style="list-style-type: none"> · Custom module for mounting in Bachmann connection panels · 1x 15-pin VGA socket/socket · 1x 3.5 mm mini stereo jack socket with 0.1 m cable and 3.5 mm mini stereo jack socket · 1x button, blue illuminated, with 0.1 m cable and RJ12 to control switch · Requires approx. 70 mm installation depth |
|---------|---|



Custom module with 4x buttons for Media control unit

Can be used in all Facility systems

- | | |
|---------|---|
| 917.127 | <ul style="list-style-type: none"> · Custom module, can also be retrofitted · 4 buttons, white, blue illuminated, with various pictograms for labelling · Rear: 2x RJ45 sockets for connection to media control unit and onward connection to additional modules of this type · Includes inserter with common pictograms · Requires approx. 80 mm installation depth |
|---------|---|



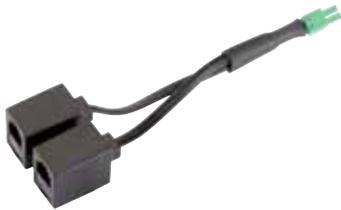
Patch cable plug / plug

To connect custom module 917.127 to signal converter

- | | | |
|---------|-------|--------------------------------|
| 918.006 | 1.0 m | · End 1: RJ45 plug Hirose TM12 |
| 918.007 | 3.0 m | · End 2: RJ45 plug Hirose TM12 |
| 918.008 | 5.0 m | · Shielded |

Media signal converter

It is possible to connect the 2x, 4x and 6x VGA/audio switches to the custom module 917.134 by means of the 2–6-way RS 232 signal converter (903.112) with visual acknowledgement as button illumination.



Art. no. | Version

2-way signal converter

To transfer the authorisation signals of each participant. Without visual acknowledgement on button.

- | | |
|---------|--|
| 903.113 | <ul style="list-style-type: none"> · Input: 2x RJ12 sockets · Outlet: 1x 2-pole terminal for connection to switch · Only useable with 903.100 switch |
|---------|--|



2–6-way signal converter

L x W x H: 225 x 125 x 45 mm

To transfer the authorisation signals of each participant. With visual acknowledgement on button.

- | | |
|---------|--|
| 903.112 | <ul style="list-style-type: none"> · Input: 6x RJ12 sockets · Outlet: 1x 9-pin RS-232 sub-D · With 1.0 m cable with push-in terminal to connect 2-pole terminal to switch · Includes PSU |
|---------|--|



Converter box

For connecting an additional series of button modules

- | | |
|---------|--|
| 903.111 | <ul style="list-style-type: none"> · Media converter for connection to control unit · End 1: RS-232 · End 2: RJ45 · Includes PSU |
|---------|--|



Mounting for converter / control unit

For fitting under the tabletop

- | | |
|---------|---|
| 918.023 | <ul style="list-style-type: none"> · Mounting to install unit under a tabletop |
|---------|---|

Accessories

Combi cable and extensions

Art. no.	Length	Version
15-pin VGA HD extension cable		
1x VGA		
918.009	1.0 m	<ul style="list-style-type: none"> High-quality VGA cable to connect: <ul style="list-style-type: none"> – connection panel to laptop – connection panel to signal booster – signal booster to monitor/TV (optional) End 1: 1x 15-pin VGA HD plug End 2: 1x 15-pin VGA HD plug
940.047	3.0 m	
940.048	5.0 m	
1x VGA, 1x mini stereo jack		
918.066	1.0 m	<ul style="list-style-type: none"> High-quality VGA cable to connect: <ul style="list-style-type: none"> – connection panel to laptop – connection panel to signal booster – signal booster to monitor/TV (optional) End 1: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm End 2: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm Plug with metal housing and shielding
918.067	3.0 m	
918.068	5.0 m	
918.069	10.0 m	
Media combi-cable		
1x VGA, 1x mini stereo jack, 1x control signal		
903.107	1.0 m	<ul style="list-style-type: none"> Professional high-quality VGA cable also with audio and control cable for switching the switch via the button in the custom module 917.134 End 1: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm; 1x RJ12 for button End 2: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm; 1x RJ12 for button Plug with metal housing and shielding
903.108	3.0 m	
903.109	5.0 m	
903.110	10.0 m	



Accessories

Art. no.	Version
STEP BASE 3x earthing contact, GST18i3	
Length: approx. 220 mm	
Power outlet for switch and control unit	
336.600	<ul style="list-style-type: none"> Plastic profile, black socket outlets 3 socket outlets with earthing contact, rotated 35° Power input: GST18i3 plug, power output: GST18i3 socket
19", 8x earthing contact, 1 U	
Length: approx. 438 mm	
1x potential-free contact incl. relay for external isolation of sockets	
903.002	<ul style="list-style-type: none"> Aluminium profile 1U 8x socket outlets with earthing contact, black 1x potential-free contact (mini stereo jack) for external isolation of sockets (possible link to control unit) 2.0 m H05VV-F 3G 1.50 mm² black with right-angled earthing contact plug Incl. mounting and screws



LanLight brings energy, network connectivity, media connection and even lighting together within a modular, multifunctional system, allowing with integral modularity the flexible use and design of office areas. The supply system creates a systematic orderliness for connection of workplaces, thus also increasing safety, and with its clear design and high quality materials it blends harmoniously and discreetly into the general office ambience.

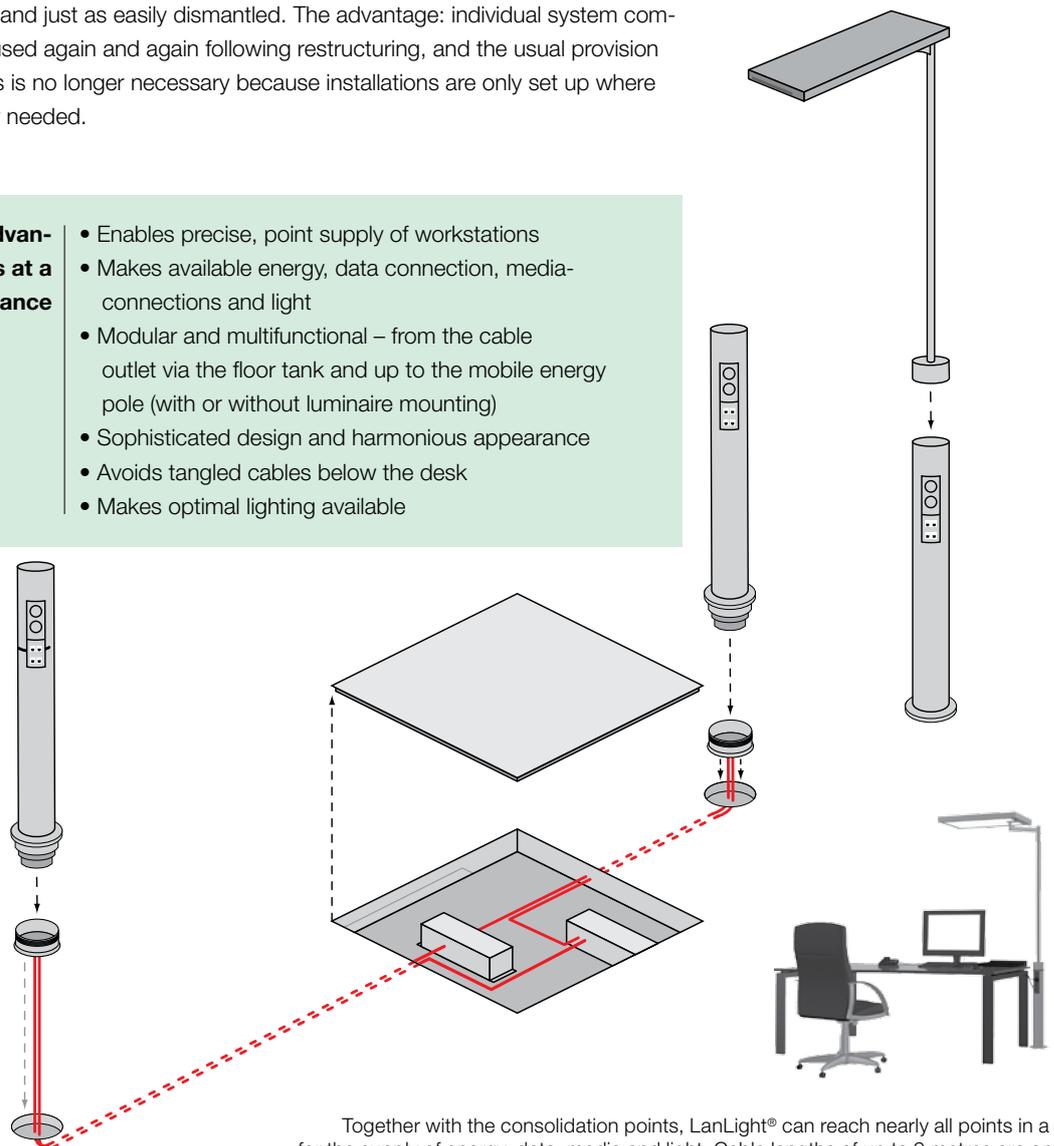
The LanLight basis module can accommodate various module inserts: floor tank inserts for all media are available, ranging from safety plugs to HDMI sockets that when desired can be delivered fully pre-assembled and with tested connection cables.

A special feature: for equipping the basis module with the mobile energy pole, LanLight has a new design for self-contacting that establishes all connections with a single plugging step.

LanLight is installed in a drill-hole size of just 152 mm in diameter. This uncomplicated method of mounting, the compact design and highly functional modularity mean that installations and energy consumers are only integrated where they will really be used. This in turn enables LanLight to be installed according to specific requirements and just as easily dismantled. The advantage: individual system components are used again and again following restructuring, and the usual provision of installations is no longer necessary because installations are only set up where they are really needed.

The advantages at a glance

- Enables precise, point supply of workstations
- Makes available energy, data connection, media-connections and light
- Modular and multifunctional – from the cable outlet via the floor tank and up to the mobile energy pole (with or without luminaire mounting)
- Sophisticated design and harmonious appearance
- Avoids tangled cables below the desk
- Makes optimal lighting available



Together with the consolidation points, LanLight® can reach nearly all points in a room for the supply of energy, data, media and light. Cable lengths of up to 9 metres are optimal.



LanLight®

LanLight®

Modular installation solution for the flexible supply of office workplaces

LanLight®
SMART SUPPLY SYSTEM

LanLight® offers ...

- a cable opening
- a floor box with various inserts for numerous applications
- plug-in mobile power towers with two current circuits and up to eight data connections with self contact interface (mobile tower)
- plug-in mobile power towers with two current circuits and up to eight data connections with fully bundled patch cables
- a plug-in lamp module, one side, with two-axis swivel-mounted light head
- a plug-in lamp module, two sides, with swivel-mounted light head



Basic unit
Modular built-in coupling

Floor outlet

no insert needed

Floor box versions



Connection plate
8P/4S



Earthing contact
connection plate 4P/2S



Media
connection plate 3C/3S

Base for patch versions



Patch tower bracket
Patch tower cone

Base for self contact



Connection plate
Self contact



Set of data cables

Level 1

Level 2



Set of lift covers



Patch tower
Tower 640 mm

Rotary lid

Mini patch tower
Tower 150 mm



Mobile tower
Tower 640 mm

Rotary lid

Set of lift covers
Self contact



Example:
Futurel® from SITECO®

Level 3

Lamps

Lamps are available on request at the LanLight® lamp partners

1st level: LanLight® basic unit



Art. no. | Version

Basic unit for all LanLight® components

Modular built-in coupling

924.1016	<ul style="list-style-type: none"> · For fitting in raised and false floors · Fastening in round cut-out with 152 (+1) mm diameter · For floor thicknesses of between 25 and 70 mm (for tower variants with floor thickness of at least 35 mm) · Fixed using three clamping claw fasteners · Total height: 97 mm, built-in depth: 93 mm, external diameter: 162 mm
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2nd level LanLight® inserts



Art. no. | Version

Connection plate 8P/4S with breakout cable and GST18i3 plug

Connection plate for fitting in LanLight® set of lift covers

924.4001	<ul style="list-style-type: none"> · For connecting up to 4 Wieland GST15i3 sockets (power) and 8 data jacks (Keystone) · Rear cable grip for power connections · Release assistance for Wieland GST15i3 plug · 4 x Wieland GST15i3 panel jack, fitted, incl. 0.2 m H05VV-F3G2.5 mm² supply cable connected to GST18i3 plug · For connecting up to 8 data jacks (Keystone) · Rear cable grip for power connections · Coded connections (data 1-8, current A-D) · Diameter: 114.8 mm
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Art. no. | Version

Connection plate 8P/4S for on-site power connection

Connection plate for fitting in LanLight® set of lift covers

924.4000	<ul style="list-style-type: none"> · For connecting up to 4 Wieland GST15i3 sockets (power) and 8 data jacks (Keystone) · Rear cable grip for power connections · Release assistance for Wieland GST15i3 plug · Coded connections (data 1-8, current A-D) · 4 x Wieland GST15i3 panel jack · Connects up to 8 data jacks (Keystone) · Diameter: 114.8 mm
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Art. no. | Version

Unit with earthing contact 4P/2S with breakout cable and GST18i3 plug

Connection plate for fitting in LanLight® set of lift covers

924.4009	<ul style="list-style-type: none"> · For connecting up to 4 data jacks (Keystone) · Rear cable grip for power connections integrated in housing · Coded connections (data 1-4, current A-B) · Incl. 2 x 0.2m H05VV-F3G2.5mm² supply cable connected to GST18i3 plug · Diameter: 114.8 mm
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Art. no. | Version

Unit with earthing contact for connection plate 4P/2S for on-site power connection

Connection plate for fitting in LanLight® set of lift covers

924.4002	<ul style="list-style-type: none"> · For connecting up to two phases to the socket outlets with earthing contact · For connecting up to 4 data jacks (Keystone) · Rear cable grip for power connections integrated in housing · Coded connections (data 1-4, current A-B) · Diameter: 114.8 mm
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Art. no. | Version

Connection plate 3 x custom module and 3 x power with breakout cable and GST18i3 plug**CUSTOM****Connection plate for fitting in the LanLight® cover guide**

924.4004	· For connecting up to 3 Bachmann custom modules
	· 3 x Wieland GST15i3 panel jack, fitted,
	incl. 0.2m H05VV-F3G2.5mm ² supply cable connected to GST18i3 plug
	· Rear cable grip for power connections
	· Release assistance for Wieland GST15i3 plug
	· Coded connections (custom modules 1-3, current A-C)
	· Diameter: 114.8 mm



Art. no. | Version

Media connection plate 3 x custom module and 3 x power for on-site power connection**CUSTOM****Connection plate for fitting in LanLight® set of lift covers**

924.4003	· For connecting up to 3 Wieland GST15i3 sockets (power)
	and 3 Bachmann custom modules
	· Rear cable grip for power connections
	· 3 x Wieland GST15i3 panel jack
	· Release assistance for Wieland GST15i3 plug
	· Coded connections (custom modules 1-3, current A-C)
	· Diameter: 114.8 mm



Art. no. | Version

10GBit self contact 4P/2S with breakout cable and GST18i3 plug**Connection plate for fitting in modular built-in coupling**

924.4006	· Base for holding power tower self contact 924.5000 or 924.5001
	· Prepared to hold 1-2 sets of data cables 924.700
	· Coded connections (data 1-8, current A-B)
	· Cone as tower holder
	· 2 x Wieland GST15i3 panel jack, fitted,
	incl. 0.2m H05VV-F3G2.5mm ² supply cable connected to GST18i3 plug
	· Diameter: 114.8 mm



Art. no. | Version

10GBit self contact for on-site power connection**Connection plate for fitting in modular built-in coupling**

924.4005	· Base for holding power tower self contact 924.5000 or 924.5001
	· Prepared to hold 1-2 sets of data cables 924.700
	· Coded connections (data 1-8, current A-B)
	· Cone as tower holder
	· 2 x Wieland GST15i3 panel jack
	· Diameter: 114.8 mm



Art. no. | Version

Set of data cables**For connection plate for self contact 924.4005 and 924.4006**

924.700	· 4 x Tyco Electronics CAT7 (Terra) jacks on Tyco Electronics CAT6 _a plug
	· Tower, 2 sides with 8 ports: 2 x set of data cables 924.700 required
	· Tower, 1 side with 4 ports: 1 x set of data cables 924.700 required
	· Cables each 6 m long
	· Assembled into bundle of cables



Art. no. | Version

Cone tower holder for patch tower**Cone as patch tower holder**

924.1041	· Insert for directly holding the LanLight® patch towers
	· For 924.5002, 924.5003 and 924.6000



Lift cover variants



Art. no. | Version

Set of lift covers with stainless steel inlay

Set of lift covers for fitting in modular built-in coupling

924.1018	· Two positions: in use (open) / unused (closed)
	· With latch for when open
	· With dust protection as cable bushing
	· With labeling card for connections
	· With stainless steel inlay
	· Inlay Ø: inside 49 mm, outside 142 mm
	· Lift cover Ø 146.4 mm, cover guide Ø 128.8 mm



Art. no. | Version

Set of lift covers 5 mm / 8 mm

Set of lift covers for fitting in modular built-in coupling

924.1038	· Two positions: in use (open) / unused (closed)
	· With latch for when open
	· With dust protection as cable bushing
	· With labeling card for connections
	· For gluing dry maintained surfaces
	5 mm or 8 mm thick (e.g. carpet, laminate)
	· Inlay Ø: inside 49 mm, outside 142 mm, cover depth 5 mm or 8 mm
	· Lift cover Ø 146.4 mm, cover guide Ø 128.8 mm



Art. no. | Version

Set of lift covers for self contact with stainless steel inlay

Set of lift covers for fitting in the self contact cone

924.1039	· Two positions: in use (open) / unused (closed)
	· With latch for when open
	· With labeling card for connections
	· With stainless steel inlay
	· Inlay Ø: inside 49 mm, outside 142 mm, depth 5 mm or 8 mm
	· Lift cover Ø 146.4 mm, cover guide Ø 128.8 mm



Art. no. | Version

Set of lift covers for self contact 5 mm / 8 mm

Set of lift covers for fitting in the self contact cone

924.1040	· Two positions: in use (open) / unused (closed)
	· With latch for when open
	· With labeling card for connections
	· For gluing dry maintained surfaces
	5 mm or 8 mm thick (e.g. carpet, laminate)
	· Inlay Ø: inside 49 mm, outside 142 mm, cover depth 5 mm or 8 mm
	· Lift cover Ø 146.4 mm, cover guide Ø 128.8 mm



Art. no. | Version

Rotary cover for inlay 12 mm

Rotary cover for screwing onto cone for tower holder

924.1046	· Cover for sealing modular built-in coupling with cone (924.4005, 924.4006, 924.1041)
	· With water protection
	· For inlay (e.g. stone/tile) around 12 mm thick
	· Incl. mounting key and sleeves
	· Inlay Ø: inside 139 mm

3rd level: LanLight® extension units

Art. no. | Version

Tower for 10Gbit self contact 4P/2S, one side**10Gbit tower for 1-2 workstations**

924.5000	<ul style="list-style-type: none"> · For simply plugging into and unplugging from LanLight® cone holder with self contact (924.4005 or 924.4006) · 2 socket outlets with earthing contact (1 phase) and 4 Tyco Cat6_a jacks · Coded connections (data 1-4, current A-B) · Fully pre-wired, incl. 4 x Tyco Terra Cat7 plug for self contact · Socket outlets: 2-pole with earth contact, 16A/3680W, AC250V, IP20, black · Tower can be extended by attaching a LanLight® system lamp · Height 640 mm, diameter 95 mm
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Art. no. | Version

Tower for 10Gbit self contact 8P/4S, two sides**10Gbit tower for 3-4 workstations**

924.5001	<ul style="list-style-type: none"> · For simply plugging into and unplugging from LanLight® cone holder with self contact (924.4005 or 924.4006) · 4 socket outlets with earthing contact (2 phases) and 8 Tyco Cat6_a jacks · Coded connections (data 1-8, current A-D) · Fully pre-wired, incl. 8 x Tyco Terra Cat7 plug for self contact · Socket outlets: 2-pole with earth contact, 16A/3680W, AC250V, IP20, black · Tower can be extended by attaching a LanLight® system lamp · Height 640 mm, diameter 95 mm
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Art. no. | Version

Patch tower 4P/2S, one side**Tower for 1-2 workstations**

924.5002	<ul style="list-style-type: none"> · For simply attaching to the LanLight® cone holder for patch tower (924.1041) · 2 socket outlets with earthing contact (1 phase) and 4 CAT6_a jacks (Keystone) · Coded connections (data 1-4, current A-B) · 2 x power supply cable 6 m H05VV-F3G2.5mm² connected to Wieland GST18i3 plug · 4 x data cables 6 m CAT6_a jack on CAT6_a plug · Socket outlets: 2-pole with earth contact, 16A/3680W, AC250V, IP20, black · Tower can be extended by attaching a LanLight® system lamp · Material of tower: press continuous casting aluminium, powder-coated RAL 9006 · Height 640 mm, diameter 95 mm
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Art. no. | Version

Patch tower 8P/4S, two sides**Tower for 3-4 workstations**

924.5003	<ul style="list-style-type: none"> · For simply attaching to the LanLight® cone holder for patch tower (924.1041) · 4 socket outlets with earthing contact (2 phases) and 8 CAT6_a jacks (Keystone) · Coded connections (data 1-8, current A-D) · 4 x power supply cable 6 m H05VV-F3G2.5mm² connected to Wieland GST18i3 plug · 8 x data cables 6 m CAT6_a jack on CAT6_a plug · Socket outlets: 2-pole with earth contact, 16A/3680W, AC250V, IP20, black · Tower can be extended by attaching a LanLight® system lamp · Height 640 mm, diameter 95 mm
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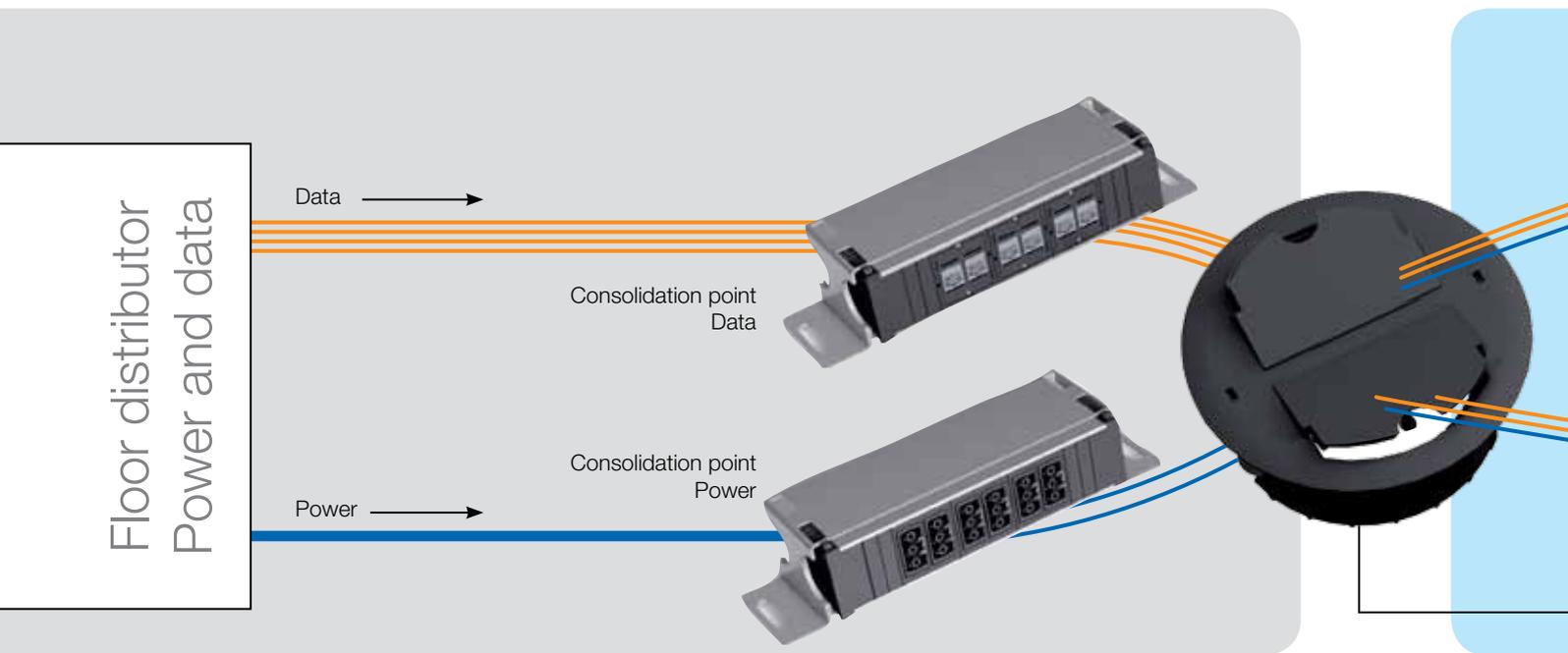
Art. no. | Version

Mini patch tower 2S**Mini tower**

924.6000	<ul style="list-style-type: none"> · Mini patch tower for simply attaching to LanLight® cone holder for patch tower (924.1041) · 2 socket outlets with earthing contact (2 phases) · Coded connections (power A-B) · 30 mm surge water protection · 2 x 0.2 m breakout cable H05VV-F3G2.5mm² and GST18i3 plug incl. GST T-piece · Socket outlets: 2-pole with earth contact, 16A/3680W, AC250V, IP20, black · Height 150 mm, diameter 95 mm
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(F: front, R: rear)



Consolidation point

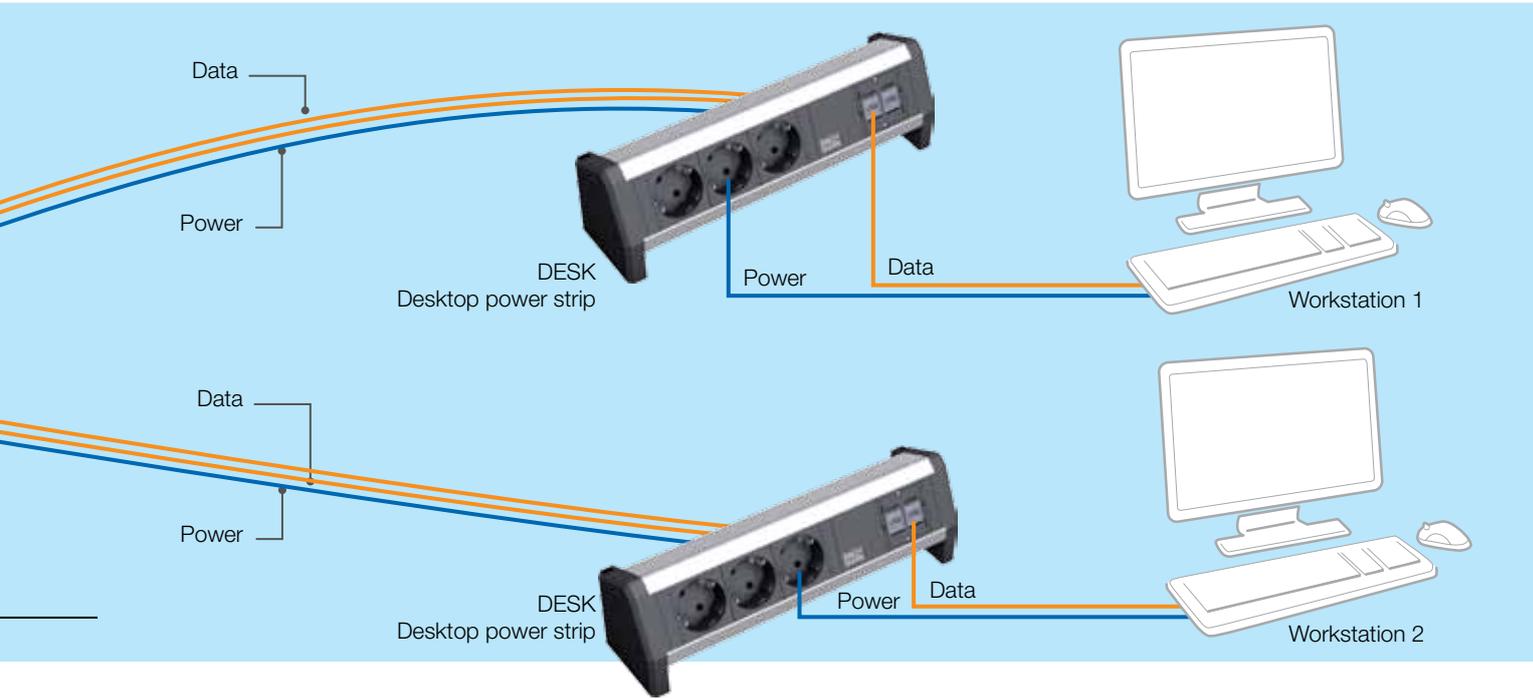
Installation solutions from a single supplier.

Bachmann's new system for under-floor distribution and installation, based on the MUTO (multi-user terminal outlet) concept, offers a coherent and simple installation solution that brings power and data to the desktop.

Consolidation points for power and data are conventionally linked to the floor distributor. Floor outlets and desktop power strips from the Bachmann Facility range complete the installation kit. After the consolidation point the floor outlet allows power and data to be conveyed with ease to the workstation. This dispenses with complicated, inflexible installations such as traditional arrangements with floor boxes.

Thanks to 'open-office cabling', CP and MUTO concepts the network installation is flexible, future-proof and at the same time cost-optimised. Combinations of power and data connections can be found in various Bachmann Facility systems. They thus offer a user-centred unit providing all necessary connections.

In the main Bachmann catalogue you can also find different desktop power strips for mounting on top of or within office workstation desks. All versions can be configured as required and supplied ready for use.



CP mounting

- Stable steel plate mounting for CPs
- Mountings with secure, tool-free clip-in and release mechanism
- Anchors firmly on the floor with integrated screw-on brackets
- Mounting with increased step protection of approx. 200 kg incl. CP unit
- Raised position of CP units for greater protection in case of slight ingress of water

Power CP front



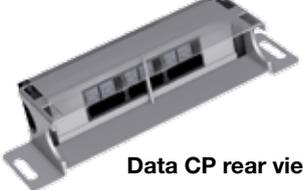
Power CP rear view



Power CP rewirable



Data CP front



Data CP rear view

Power CP

- Power CP is fully wired and electrically tested at the factory
- Power connections with connector systems by Wieland (Gesis GST); versions with Wago (Winsta) available on request
- Other connector systems can be used where required.
- Time-optimised on-site installation
- Future-proof thanks to flexible structure

Data CP

- CP Data flexible and modular with custom modules
- Various manufacturers' systems can be integrated
- Easy to install and future-proof thanks to modular structure
- Should a change be necessary, only the data connector unit is changed
- Mounting and unit remain unchanged
- Additional strain relief for data connection can be provided with cable ties

CONSOLIDATION POINT

Units for power and data, mounting

Consolidation point units for power

- Fully wire and electrically tested
- With Wieland GST18i3 plug



Art. no. | Version

Consolidation point units for power

Short

919.2000	· 6-way GST18i3 socket, black, 1-phase · Power input: GST18i3
919.2001	· 2x 3-way GST18i3 socket, 2-phase · Sockets in black and red · Power input: GST18i3

Consolidation point units for power

Long:

919.2002	· 12-way GST18i3 socket, black, 1-phase · Power input: GST18i3
919.2003	· 2x 6-way GST18i3 socket, 2-phase · Sockets in black and red · Power input: GST18i3
919.2004	· 3x 4-way GST18i3 socket, 3-phase · Sockets in black, red and grey · Power input: 3x GST18i3 socket
919.2005	· 3x 4-way GST18i3 socket, 3-phase · Sockets in red and black and grey · Power entry is via the end cap with rewirable terminal for allowing connection by user

Consolidation point units for data

- Without power, to integrate with Bachmann custom modules
- Anodised aluminium profile



Art. no. | Version

Consolidation point units for data

912.000	· 3x custom modules, empty · Short: 217 mm
912.001	· 6x custom modules, empty · Long: 356 mm

Consolidation point mounting

- Colour black (RAL 9005)
- Mounting in steel plate



Art. no. | Version

Consolidation point mounting L x W x H: 295 x 85 x 65 mm

919.1100	· Short (for units with 3 modules)
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Consolidation point mounting L x W x H: 435 x 85 x 65 mm

919.1101	· Long (for units with 6 modules)
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Exit point / floor outlet

Floor outlet for dry-maintained floors

Outlet for dry-maintained floors (raised and false floors) from 24 mm thickness for the cable outlet from the subfloor (consolidation point) to the power strip on the desk. The outlet is provided with a very simple universal fixing. With one rotation of each of the two eccentric Allen bolts in the outer ring the outlet is anchored firmly into the floor, yet can easily be removed again if required. 2 flaps, each of which can be opened to a position independent of the other, through which cabling is routed out from floor. The flaps can be snap-fastened in open positions, thus preventing cables becoming bent and possibly damaged. If required the flaps can be rotated through 130° with the inner ring. Textile-fibre sleeves or cable management systems from the Bachmann range can be docked to the outlet flaps. If the outlet is no longer used, the flaps can be lowered and used as a blank cover that can be stepped on.

- Exit point/floor outlet for power and data cables
- Fits in raised floors with thicknesses from 24 mm
- Hole diameter 112 mm
- Simple fixing mechanism with Allen bolts
- 2 flaps, rotatable though approx. 130°, for cable outlet
- Material: polyamide (halogen free)

Art. no.	Version	
Exit point/floor outlet		RAL 9005
919.1000	· Black RAL 9005	
Exit point/floor outlet		RAL 7035
919.1001	· Light grey RAL 7035	



Cables

Data cables → Transfer of data within various categories (see glossary) Used for network and IP telephone services

	Art. no.	Version	Version
	CAT5e patch cable plug/plug		
	918.003	1.0 m	· CAT5e cable shielded, grey
	940.052	3.0 m	· Compliant with ISO / IEC 11801 and EN 50173
	940.053	5.0 m	· End 1 and 2: RJ45 plug with kink protection sleeve and protective lug for interlock · suitable e.g. for the CAT5e socket / socket 940.057 (see page)
	CAT6 patch cable plug/plug		
	940.040	3.0 m	· CAT6 cable shielded, grey
	940.041	5.0 m	· Compliant with ISO / IEC 11801 and EN 50173
			· End 1 and 2: RJ45 plug with kink protection sleeve and protective lug for interlock · suitable e.g. for the CAT6 socket / socket 940.044 (see page)
	CAT6a patch cable plug/plug		
	918.006	1.0 m	· CAT7 cable shielded, black
	918.007	3.0 m	· Compliant with IEC 61156-6
	918.008	5.0 m	· End 1 and 2: RJ45 plug Hirose TM12 CAT6a with kink protection sleeve and release lug · suitable e.g. for the CAT6 socket / socket 940.044 (see page)
	CAT6a patch cable plug		
	918.033	3.0 m	· CAT7 cable shielded, black
	918.034	5.0 m	· Compliant with IEC 61156-6
			· End 1: RJ45 plug Hirose TM12 CAT6a with kink protection sleeve and release lug. End 2: CAT6a socket TKM 10GB Keystone. · can be fitted in Keystone frames 917.000 / 917.001 / 917.061 / 917.062
	RJ12 patch cable plug/plug		
	940.089	3.0 m	· RJ12 cable unshielded, black · Compliant with ISO / IEC 11801 and EN 50173 · End 1 and 2: RJ12 plug with kink protection sleeve · suitable e.g. for the RJ12 socket / socket 940.085 (see page)

VGA 15-pole HD with and without mini stereo jack cable (stereo 3.5mm) → Transfer of analogue image and audio signals

	Combi cable VGA 15-pole HD with mini stereo jack		
	918.066	1.0 m	· High-quality cable, highly flexible, black
	918.067	3.0 m	· End 1: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm
	918.068	5.0 m	· End 2: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm
	918.069	10.0 m	· Plug with metal housing and shielding, additional ferrite cores are not needed · can be used for custom modules with VGA + mini stereo jack socket / socket (e.g. 917.045 etc.)
	VGA 15-pole HD		
	918.009	1.0 m	· High-quality cable, flexible, black
	940.047	3.0 m	· End 1: 1x 15-pin VGA HD plug
	940.048	5.0 m	· End 2: 1x 15-pin VGA HD plug · can be used for custom modules with VGA socket / socket (e.g. 917.011)

Media combi cable VGA 15-pole HD with mini stereo jack (stereo 3.5mm) and RJ12 (signal control) for Media switch (see page 82)

	Combi cable VGA 15-pole HD with mini stereo jack and signal control		
	903.107	1.0 m	· High-quality cable, highly flexible, black
	903.108	3.0 m	· End 1: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm and RJ12 plug
	903.109	5.0 m	· End 1: 1x 15-pin VGA HD plug, 1x mini stereo jack plug, 3.5 mm and RJ12 plug
	903.110	10.0 m	· Plug with metal housing and shielding, additional ferrite cores are not needed · can be used for custom modules with VGA + mini stereo jack socket / socket and button (e.g. 917.134)

Cables

HDMI connecting cable → Digital transfer of image and audio signals

Art. no.	Version	Version
HDMI connection cable		
918.019	3.0 m	· HDMI cable, black
918.020	5.0 m	· End 1: 1x HDMI plug 19-pole · End 2: 1x HDMI plug 19-pole · can be used for custom modules with HDMI socket / socket (e.g. 918.040)



DVI-I connecting cable → Digital transfer of image signals (compatible with DVI-A and DVI-D plug-in connectors)

DVI-I connecting cable		
918.017	3.0 m	· DVI cable, black
918.018	5.0 m	· End 1: 1x DVI plug · End 2: 1x DVI plug · can be used for custom modules with DVI-I socket / socket (e.g. 917.021 / 917.078)



Cinch video + stereo connecting cable → Transfer of analogue image and audio signals

Cinch video + stereo connecting cable		
918.015	3.0 m	· Cinch set of connecting cables, black
918.016	5.0 m	· End 1: Cinch plug (red + white + yellow) · End 2: Cinch plug (red + white + yellow) · can be used for custom modules with Cinch socket / socket (e.g. 917.026)



S-video (Hosiden) connecting cable → Transfer of analogue image signals

S-video (Hosiden) connecting cable		
940.104	3.0 m	· S-video (Hosiden) connecting cable, black
940.105	5.0 m	· End 1: S-video plug · End 2: S-video plug · can be used for custom modules with S-video socket / socket (e.g. 917.028 / 917.035)



Mini stereo jack 3.5mm connecting cable → Transfer of audio signals

Mini stereo jack 3.5mm connecting cable for audio signals		
918.010	1.0 m	· Mini stereo jack 3.5mm (stereo) connecting cable, black
918.011	3.0 m	· End 1: Plug for mini stereo jack 3.5mm
918.012	5.0 m	· End 2: Plug for mini stereo jack 3.5mm · can be used for custom modules with mini stereo jack socket / socket (e.g. 917.045 / 917.157)



Cinch stereo connecting cable → Transfer of audio signals

Cinch stereo connecting cable for audio signals		
940.049	3.0 m	· Cinch (stereo) connecting cable, black
940.051	5.0 m	· End 1: Cinch stereo plug (red + white) · End 2: Cinch stereo plug (red + white) · can be used for custom modules with Cinch socket / socket (e.g. 917.027 / 917.028 / 917.022 / 917.023)



XLR connecting cable → Transfer of audio signals (e.g. microphone)

XLR 3-pole connecting cable for audio signals		
918.013	3.0 m	· XLR 3-pole connecting cable, black
918.014	5.0 m	· End 1: XLR 3-pole plug with interlock · End 2: XLR 3-pole socket with interlock · can be used for custom modules with XLR connection (e.g. 917.024)



Cables

USB connecting cable -> Transfer of data



Art. no.	Version	Version
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USB A/A connecting cable

918.021	1.0 m	· USB A/A connecting cable, black
940.045	3.0 m	· End 1: Plug A
918.022	5.0 m	· End 2: Plug A · can be used for custom modules with USB A socket / socket (e.g. 917.120 / 917.019)



USB A/B connecting cable

940.046	3.0 m	· USB A/B connecting cable, black · End 1: Plug A · End 2: Plug B · can be used for custom modules with USB B socket (e.g. 917.018)
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FireWire connecting cable -> Transfer of data



FireWire connecting cable

918.024	4.5 m	· FireWire connecting cable, black · End 1: FireWire 6-pin plug · End 2: FireWire 6-pin plug · can be used for custom modules with FireWire socket / socket (e.g. 917.037)
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Wieland

Power supply cables for Bachmann facility systems



Cables fitted with Wieland GST18 plug-in connectors are available to connect Facility products to the mains power supply. The advantages of these cables and their plug-in connectors, which can be used all over the world, are flexibility in terms of length, the ability to replace cables should length requirements change and availability for a variety of countries. The incoming power supply can even be extended to other power strips with ease and usually without the need for tools.

Art. no.	Length	Version	
Device supply cable, GST18 with earthing contact			Black
375.000	1.5 m	· Cable: H05VV-F 3G 1.5 mm ²	
375.075	2.0 m	· End 1: Right angle plug with earthing contact	
375.003	3.0 m	· End 2: Wieland GST18i3 socket	
375.005	4.0 m		
375.007	5.0 m		
375.039	10.0 m		
Halogen-free cable			
375.044	2.0 m	· Cable: S05VV-F 3G 1.5 mm ²	
375.045	3.0 m	· End 1: Right angle plug with earthing contact	
375.046	5.0 m	· End 2: Wieland GST18i3 socket	

Device supply cable with extra earth connection

- Pre-assembled power supply lines with integrated earth connection
- Power strip earthed independently of the installation
- Ideal in combination with STEP power strips (page 46 onwards)
- Table-mounted frames can be earthed independently of the power strip fitted in them

Device supply cable, GST18 with earthing contact			black	
With extra earth connection				
375.115	2.0 m	· Cable: H05VV-F 3G 1.5 mm ²		
375.116	3.0 m	· End 1: Right angle plug with earthing contact		
375.117	5.0 m	· End 2: Wieland GST18i3 socket with 0.3 m 1.5 mm ² green/yellow with M6 ring termination		
Device supply cable, ST18 - CH / Swiss plug			black	
375.016	2.0 m	· Cable: H05VV-F 3G 1.0 mm ²		
375.017	3.0 m	· End 1: CH / Swiss plug		
375.018	5.0 m	· End 2: Wieland GST18i3 socket		
Device supply cable, GST18 - UK 13A plug			black	
375.068	2.0 m	· Cable: H05VV-F 3G 1.5 mm ²		
375.069	3.0 m	· End 1: UK 13A plug		
375.070	4.0 m	· End 2: Wieland GST18i3 socket		
Device extension cable, GST18/GST18			black	
375.050	0.3 m	· Cable: H05VV-F 3G 1.5 mm ²		
375.053	1.0 m	· End 1: Wieland GST18i3 plug		
375.038	2.0 m	· End 2: Wieland GST18i3 socket		
375.055	3.0 m			
Halogen-free cable			black	
375.080	0.3 m	· Cable: S05Z1Z1-F3G 1.5 mm ²		
375.081	1.0 m	· End 1: Wieland GST18i3 plug		
375.082	2.0 m	· End 2: Wieland GST18i3 socket		
375.083	3.0 m			
Device extension cable, GST15/GST18			black	
375.127	1.5 m	· Cable: H05VV-F 3G 1.5 mm ²		
375.128	3.0 m	· End 1: Wieland GST15i3 plug		
375.129	5.0 m	· End 2: Wieland GST18i3 socket		

Wieland



Cables with ST18 connection system (old connection system, cannot be used under load)

Art. no.	Version	Version
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Device supply cable, ST18 with earthing contact Black



375.004	1.5 m	· Cable: H05VV-F 3G 1.5 mm ²
375.079	2.0 m	· End 1: Right angle plug with earthing contact
375.040	3.0 m	· End 2: Wieland ST18/3 socket
375.076	5.0 m	

Device extension cable, GST18/GST18 Black



375.071	0.5 m	· Cable: H05VV-F 3G 1.5 mm ²
375.072	1.0 m	· End 1: Wieland ST18/3 plug
375.073	1.5 m	· End 2: Wieland ST18/3 socket
375.064	3.0 m	

Connector / distributor

Adaptor Black



No interlock

375.500	GST/GST	· Making it easy to connect e.g. 2 STEP power strips with the same connection system or different connection systems · 1x input (plug) and 1x output (socket)
375.515	GST/ST	
375.516	ST/GST	

Multiplier, GST18



For power distribution

375.101	1x input, 2x output (1)	· Input: 3-pin plug · Outlet: 3-pin socket
375.102	1x input, 2x output (2)	
375.105	1x input, 2x output (3)	

Through-wired for 3-phase power, 5 and 3-pole



375.106	1x input, 1 + 6x output	· Input: 1 x plug, 5-pin · Outlet: 1x 5-pin socket; 6 x 3-pin socket per outer conductor
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Interlocks

Interlock for appliance plugs and couplings



Compliant with VDE 0628

375.518	Wieland 05.587.3156.1	· Snaps onto the corresponding plugs and couplings
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Locking latch (interlock)



Compliant with VDE 0628

375.501	Black Wieland 05.584.0153.0	· For snap-in built-in plug and coupling
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Accessories

End cap



375.503	Black Wieland 05.561.3653.1	· Plugs into the snap-in built-in plug and coupling
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Mounting accessories



Art. no.	Version	Version
Appliance plug screw terminal, GST18i3		
375.504	Black Wieland 92.932.3053.1	· Ready for mounting, with cable grip · For cross section 0.75 – 2.5 mm ² , solid and flexible conductors without end sleeves can be connected
375.517	White Wieland 92.932.3052.0	· For cable diameters from 6.5 – 10.5 mm (H05VV, NYM) · Sheath stripping length 31 mm; stripped length: 7 mm
Appliance plug spring-loaded terminal, GST18i3		
Lockable		
940.073	Bright red Wieland 92.934.0553.0	· Ready for mounting, with cable grip · For rigid cables from 1.5 – 2.5 mm ² , flexible cables 1.5 mm ² with end sleeves
940.074	Pebble grey Wieland 92.934.0153.0	· 2 connectors per pole, not mounted, for H05VV, NYM cables (Ø 7.8 – 10.3 mm) · Sheath stripping length 45 mm, stripped length 1.5 mm ² and 2.5 mm ² : 9 mm
Appliance coupling screw terminal, GST18i3		
375.505	Black Wieland 92.931.3053.1	· Ready for mounting, with cable grip · For cross section 0.75 – 2.5 mm ² , solid and flexible conductors without end sleeves can be connected
375.514	White Wieland 92.931.3053.0	· For cable diameters from 6.5 – 10.5 mm (H05VV, NYM) · Sheath stripping length 31 mm; stripped length: 7 mm
Appliance coupling spring-loaded terminal, GST18i3		
Lockable		
940.070	Bright red Wieland 92.933.0553.0	· Ready for mounting, with cable grip · For rigid cables from 1.5 – 2.5 mm ² , flexible cables 1.5 mm ² with end sleeves
940.071	Pebble grey Wieland 92.933.0153.0	· 2 connectors per pole, not mounted, for H05VV, NYM cables (Ø 7.8 – 10.3 mm) · Sheath stripping length 45 mm, stripped length 1.5 mm ² and 2.5 mm ² : 9 mm
Built-in snap-in spring-loaded plug, GST18i3		
With interlock		
375.506	Black Wieland 92.032.9658.1	· For material thickness 0.5 – 1.5 mm snaps into housing cut-out
375.519	White Wieland 92.032.9658.0	· Flexible cable 0.5 – 1.5 mm ² with end sleeve · Rigid cable 0.5 – 2.5 mm ²
375.520	Bright red Wieland 92.032.8558.0	· Stripped length 0.5 – 1.5 mm ² : 8 mm, stripped length 2.5 mm ² : 9 mm
375.521	Pebble grey Wieland 92.032.9758.0	
Built-in snap-in spring-loaded coupling, GST18i3		
With interlock		
375.507	Black Wieland 92.031.9658.1	· For material thickness 0.5 – 1.5 mm snaps into housing cut-out
375.522	White Wieland 92.031.9658.0	· Flexible cable 0.5 – 1.5 mm ² with end sleeve · Rigid cable 0.5 – 2.5 mm ²
375.523	Bright red Wieland 92.031.8558.0	· Stripped length 0.5 – 1.5 mm ² : 8 mm, stripped length 2.5 mm ² : 9 mm
375.524	Pebble grey Wieland 92.031.9758.0	





CABLE MANAGEMENT

Perfect installation solutions.

Bachmann banishes unwieldy cables from workstations. The KABELSCHLANGE® cable management system optimises cable routes in the workplace between the desk, floor box, wall duct and various devices.

Bachmann is able to provide the ideal cable management system for every requirement. Whether cables run along the floor or need to be routed from the floor to a desk, the different systems are compatible with one another. A well-thought-out and integrated cable management concept awaits you.

Our various systems are available as standard in black and silver colour finishes but we can supply custom colours on request.

Kabelschlange®

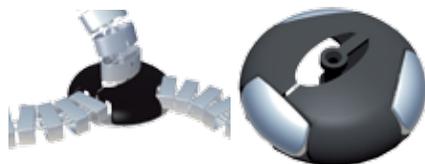
Flexible cable management system

- The links are safe to step on and break-proof; they can be displaced with respect to one another.
- 2 connector shoulders for the transmission of forces (including torques and lateral forces)
- Special geometry enables individual cables to be unfurled through the sides of the links without risking crushing

Art. no.	Colour	Version
KABELSCHLANGE® Classic		
930.030	Black	<ul style="list-style-type: none"> · For horizontal and vertical cable routes · 3-chamber system to separate light current, data and power lines. · 46 chain links, W x H: approx. 54 x 23 mm · Length (separated): approx. 100 cm · Length (pushed together): approx. 72 cm
930.031	Silver	
KABELSCHLANGE® Cube		
930.058	Black	<ul style="list-style-type: none"> · For horizontal and vertical cable routes · 2-chamber system to separate light current, data and power lines. · 34 chain links, W x H: approx. 55 x 25 mm · Length (separated): approx. 100 cm · Length (pushed together): approx. 69 cm
930.059	Silver	
KABELSCHLANGE® Pro		
930.032	Black	<ul style="list-style-type: none"> · For horizontal cable routes · Increased step resistance even in the vicinity of junctions · Short-time loads up to 120 kg can be tolerated on 5 chain links · 2-chamber system to separate data and power cables · Can also be connected directly to KABELSCHLANGE® Classic · 34 chain links, W x H: approx. 90 x 24 mm · Length (separated): approx. 100 cm · Length (pushed together): approx. 69 cm
930.033	Silver	
KABELSCHLANGE® Premium Set		
930.049	Black	<ul style="list-style-type: none"> · For vertical cable routes on high-grade office furniture · Designer top-of-the range Premium Set: <ul style="list-style-type: none"> 16 chain links, W x H: approx. 35 x 70 mm 1x metal base plate (in appropriate colour) 1x end piece for link with desk, screws · The chain links can be pushed together to form an enclosed self-locking elliptical cable duct. · 2-chamber system to separate data and power cables · Length incl. base plate and desk attachment approx. 78 cm · Length without accessories approx. 75 cm · Length (pushed together): approx. 59 cm per set
930.050	Silver	
KABELSCHLANGE® Easy-Clip		
For KABELSCHLANGE® Classic, Cube and Pro		
930.037	Black	<ul style="list-style-type: none"> · Clip for flexible connection to power tower without the need for tools (e.g. Power Tower) · Plug in the clip at the end of the KABELSCHLANGE® and connect the wire bracket to the terminals on the power tower.
930.038	Silver	
KABELSCHLANGE® Easy-Clip for floor box		
930.036	For KABELSCHLANGE® Classic	<ul style="list-style-type: none"> · Patented adaptor for connecting KABELSCHLANGE® cable management systems to all standard floor boxes · Clip with elongated holes and fastening holes, can be used for horizontal or vertical mounting on furniture or in sill-type trunking by disconnecting components that are not needed. · Clip for attachment to the underside of the last chain link · Clip bends on impact (e.g. when the floor is being cleaned) thereby preventing damage to the outlet or clip
930.054	For KABELSCHLANGE® Pro and Cube	



KABELSCHLANGE®



Art. no.	Colour	Version
KABELSCHLANGE® Easy-Fix 90S		
Dimensions (L x W x H) 48 x 20 x 20 mm		
For KABELSCHLANGE® Classic, Cube and Pro		

930.055	Black	<ul style="list-style-type: none"> · Bracket for vertical mounting e.g. on the (underside of the) tops of desks or tables · D = 1.5 mm; 2 drill holes Ø = 4 mm. Drill hole spacing 30 mm
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KABELSCHLANGE® Easy-Stop

930.042	Black	<ul style="list-style-type: none"> · Cable grip (for cable installation in compliance with standards) fixes cables securely and tightly to the fastening point · Suitable for horizontal and vertical mounting · Can be used as an individual component or combined with any Easy-Line® rail · With connector clips for direction-independent system connection
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KABELSCHLANGE® Easy-Line®

For KABELSCHLANGE® Classic and Pro curved and straight runs

930.039	Straight runs	<ul style="list-style-type: none"> · Ideal for mounting on walls or ceilings
930.040	90° curved run Radius 150 mm	<ul style="list-style-type: none"> · Can also be used for horizontal desk routes, as sill-type trunking or skirting
930.041	22.5° curved run	<ul style="list-style-type: none"> · 4 Easy-Line® straight line runs are sufficient for one metre KABELSCHLANGE® Classic · Please fit an Easy-Stop® cable grip at every free end!

KABELSCHLANGE® cable bracket set with cable grip

930.051	Black	<ul style="list-style-type: none"> · Cable bracket set for screwing into place underneath the top of a desk or table · The cable bracket enables cables to be routed onwards underneath the top of the desk or table · Contents: <ul style="list-style-type: none"> - Cable bracket inc. 2 fixing screws (also for thin desk and table tops) - Cable grip with adjusting screw
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KABELSCHLANGE® Easy-Switch®

For KABELSCHLANGE® Classic, Cube and Pro

930.034	Black	<ul style="list-style-type: none"> · The Easy-Switch® distributor turns the KABELSCHLANGE® into a networkable cable management system · The adaptor chain links mean that Easy-Switch® can be connected to the KABELSCHLANGE® without tools · Note: For use with KABELSCHLANGE® Pro order Classic chain links as well for the link with the distributor
930.035	Silver	

KABELSCHLANGE® Easy-Switch®

For KABELSCHLANGE® Classic, Cube, Pro and Premium

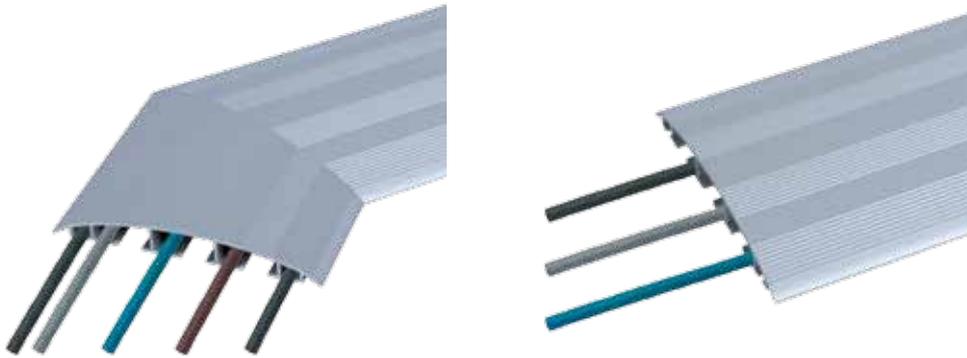
930.057	Black	<ul style="list-style-type: none"> · 4-way distributor with 3x 120° horizontal feeder sockets for KABELSCHLANGE® Classic, Cube and Pro · 1 vertical coupling point for KABELSCHLANGE® Premium · Incl. fixing screw and massive base plate (Easy-Floor-Premium) · Set contains 4 KS Cube coupling links for the connection of KABELSCHLANGE® Pro
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KABELSCHLANGE® Easy-Cap®

930.044	Black	<ul style="list-style-type: none"> · Blank cap for sealing unused connection points on Easy-Switch®
930.045	Silver	

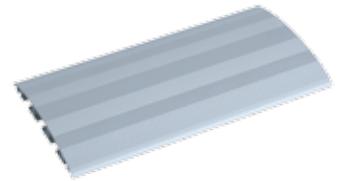
Bridge

BRIDGE – the cable duct

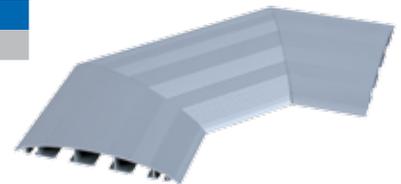


Art. no. | Version | Version

CABLE BRIDGE		Dimensions: (W x H) 146 x 9 mm
Straight cable duct		
930.060	1.0 m	<ul style="list-style-type: none"> · Anodised aluminium profile, rippled for anti-slip effect · 3-chamber system allowing power and data cables to be routed separately · Can be taped (using double-sided tape) or screwed into place on the floor (see fixing accessories)
930.061	2.0 m	



CABLE BRIDGE		
Bracket for cable duct		
930.062	45°	· Bracket made from anodised aluminium
930.063	90°	



CABLE BRIDGE		
Connecting link for cable duct		
930.064	Straight runs	<ul style="list-style-type: none"> · Link for connecting straight cable ducts · Screwed into place with integral Allen keys · 2 items



CABLE BRIDGE		
Fixing accessories for cable duct		
930.065	Straight runs	<ul style="list-style-type: none"> · For screwing on the ends of the cable ducts · 4 items

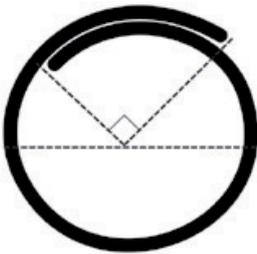


Wrap textile-fibre sleeves

Wrap textile-fibre sleeves

Bundle wrap textile-fibre sleeves and protect cables and wires at home and in the office. The stretchy braided sheath is made from monofilament fibres to ensure resistance to wear and fire and is therefore perfect for use in the professional world and industry too. Wrap textile-fibre sleeves are attractive and can also be retrofitted to cable sets with ease.

Automatic Wrap



The unique, sectional, semi-rigid woven solution makes the Automatic Wrap ideal for areas where installation needs to be straightforward. The opening on the side allows numerous applications to be accommodated and can easily be closed again without needing to use additional material such as adhesive tape. The PET braid is light and flexible. The edge, which juts out by 25 %, provides cover for the cable extensions and connections inside. Automatic Wrap can be routed around narrow edges without coming open or warping. Unlike rigid cable ducts, it does not impair the flexibility of the cable harness.



The advantages at a glance

- A straightforward and inexpensive installation which is easy to implement
- More flexible than coiled or wound solutions
- 25 % for secure cable bundling
- Resistant to chemicals and solvents
- Halogen-free
- Resistant to cuts and abrasion
- Inherently stable at an operating temperature of -75 °C to +125 °C



Art. no.	Length	Version
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Automatic Wrap		
Dimensions: Ø 2.54 cm = 25.40 mm		
930.900	1.0 m	· Black
930.901	2.0 m	· Black
930.902	3.0 m	· Black

Automatic Wrap		
Dimensions: Ø 5.08 cm = 2 inches		
930.903	1.0 m	· Black
930.904	2.0 m	· Black
930.905	3.0 m	· Black

Wrap textile-fibre sleeves

Manual Wrap in colour

Manual Wrap is an exclusive product providing the ideal solution for numerous applications. A strong Velcro fastener makes for straightforward application installation. The entire run can be accessed post-installation (should cables or connections need to be added or removed, for example). The malleable woven braid means that the Manual Wrap can be used to bundle and sheathe a variety of cable diameters. Manual Wrap can also be used for applications in non-standard shapes. It can easily be cut with a thermal cutting device (available as an optional extra).

The advantages at a glance

- Strong Velcro fastener for frequent access
- Can be stretched over plugs and sockets
- Halogen-free
- Resistant to chemicals and solvents
- Melting point ~230 °C



Art. no. | Version | Version

Manual Wrap

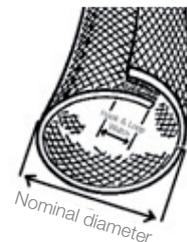
Dimensions: Ø 3.18 cm = 1 ¼ inch

930.906	1.0 m	· Black
930.907	2.0 m	· Black
930.908	3.0 m	· Black

Manual Wrap

Dimensions: Ø 5.08 cm = 2 inches

930.909	1.0 m	· Black
930.910	2.0 m	· Black
930.911	3.0 m	· Black



Glossary

10-inch panel (10")

A mounting frame with a standardised width of 10" = 254 mm, with holes for bolting to 10" racks. Used for events equipment, media and laboratory systems and in data centres. As a rule these panels have a height of 1 U (1 height unit/1 unit) specified as 1.75" or 44.5 mm.

19-inch (19") panel

A mounting frame with a standardised width of 19" = 482.6 mm, with holes for bolting to 19" racks. Frequently used for events equipment, media and laboratory systems and computer centres. As a rule these panels have a height of 1 U (1 height unit/1 unit) specified as 1.75" or 44.5 mm.

4-way keypad

Programmable buttons with lighting for controlling devices and media.

Audio jack or tip-ring-sleeve (TRS) connector

Internationally accepted electrical connector for AC or DC in the low-voltage (SELV - safety extra-low voltage) range. Jack plugs, sockets and couplings are used most typically for audio signals or for connecting a small electronic device to a power-supply unit. Jack plugs are often used for connecting headphones to audio equipment. Versions available: **3.5 mm (miniature jack)** for portable devices (MP3 players, Discmans etc), sound cards and small headphones. **6.35 mm (jack)** for stereo systems and electronic music equipment (mixing desks, effects units, synthesisers, keyboards, electric pianos, electric guitars and guitar amplifiers).

Bandwidth

The difference between two frequencies that form a specific, unbroken frequency range – a frequency band – between them.

Blank

Function in video output devices of switching to a black still frame.

BNC (Bayonet Neill Concelman) plugs

are coaxial connectors with a bayonet locking mechanism, used for high frequencies up to about 1 GHz, sometimes up to 4 GHz, with a defined wave impedance of 50 or 75 Ω (interchangeable). They are used chiefly in radio and video systems. The BNC design has however also been used for the transmission of weak DC, low-frequency AC and impulse signals in laboratory applications because the outer conductor provides shielding from electrical interference. The coaxial design thus offers protection against external electric fields. For this reason, inputs to measuring devices such as oscilloscopes, frequency counters and function generators generally use BNC-type cables.

BUTTON AUTOMATIC SWITCHOFF

For connecting, via plug-in connectors, to power strips with automatic switchoff in order to automatically switch off connected devices. Activating the button restores power to the devices connected to the automatic switchoff device. See information on page

CAT

In data connection technology the following main categories and classes for equipment performance are generally accepted:

Category	Class	MHz	GB
CAT5e	D	100	1
CAT6	E	250	1
CAT6a	E	500	10
CAT7	F	600	10
CAT7a	F	1,000	

The difference between category and class is: the individual components such as cable, data input (socket), plug etc. are graded into categories. The overall performance of the sum of these components, i.e. of the complete data network, is known as the class. The class of the complete network is thus determined by the weakest components. Example: if a CAT6 cable with CAT6 plug is connected to a CAT5e socket, the overall network attains only class D. Additionally, a distinction is made in data connection equipment between shielded and unshielded components. Worldwide, unshielded types are most commonly used; in Germany however nearly 100% of cabling is shielded. The currently applicable standard for this area of data connection technology is summarised in EN 50173.

Cinch (RCA)

For non-standardised electrical signal connectors, primarily on coaxial cables.

Use: Audio white = left analogue channel (sometimes also black); Audio red = right analogue channel; Orange = digital audio; Video yellow = composite video, analogue unmodulated TV picture signal in baseband (VBS or CVBS); Video green = Y (brightness); Video blue = Pb (colour difference); Video red = Pr (colour difference)

Coaxial ('coax') cable

Coaxial cable is a special type of cable with concentrically arranged conductors for carrying high-frequency signals, such as in TV systems for analogue CVBS signals or for digital studio signals (DSC).

Composite Video

See **Cinch (RCA)**

Control unit

See **Media control systems**

Crossover

A cross or crossover cable, in computer networking, is an eight-wire twisted-pair cable with an RJ45 connector at each end, but in which certain wires have been swapped over in one of the connectors. It is required e.g. where two computers are connected together directly. It is possible, instead of a crossover cable, to use an uncrossed cable in conjunction with a crossover adapter to obtain the required crossing of wire pairs. The simplest use of a crossover cable is to link two computers with network cards without the need for a hub or switch. The two computers thus connected form a fully-fledged network on the smallest scale. In gigabit Ethernet it is usually possible to do without crossover cables, since Auto-MDI-X is defined in the standard and supported by most devices. In a crossover cable, then, at one end the sent data wire is crossed with the received data wire, so that data exchange is also possible over a direct connection. If the send and receive wires were not changed over at one end, no connection between the machines would be obtained.

Display Port

Display Port for the transmission of image and audio signals (e.g. monitor, DVD player, plasma TV, etc.)

DVB – Digital Video Broadcasting

By 2010 all radio and TV channels in Germany are expected to be transmitted via digital video broadcasting (DVB). The transmission paths available are terrestrial frequencies (DVB-T), cable (DVB-C) and satellite (DVB-S). A mobile radio standard (DVB-H) is still at the testing stage. In all cases a special receiver is required to receive the signal. **DVB-T** allows up to 24 TV channels to be received via a conventional domestic TV antenna. The channels are broadcast without encryption and are thus free of charge. Commercial broadcasters, however, have so far only participated in DVB-T in urban areas. **DVB-C** offers more channels, theoretically up to 500. However, a paid-for cable connection is required to receive the signal. In the digital cable network commercial broadcasters mainly use an encrypted signal that can only be decoded by a smart card provided by the network operator.

DVI – Digital Video Interface

A digital interface for video signals. In this system the sound has a separate input. The high-definition (HD) formats however use the new HDMI input. There are three different types of digital video interface. **DVI-A** transmits analogue signals only; **DVI-I** is capable of transmitting both analogue and digital signals, while **DVI-D** transmits digital signals only. If the new TFT monitor has a DVI-D interface, the old graphics card with analogue VGA connection cannot be connected to it.

EIB

The European Installation Bus (EIB) is a standard to EN50090 that describes how sensors and actuators should be connected together in a domestic installation. It also defines the communications protocol. The EIB thus controls, for example, lighting and shutters or shade-providing devices, heating and locking and alarm systems. EIB has subsequently been further developed and been known since 2002 as the KNX standard.

Ethernet

A protocol that controls data transfer in local area networks (LANs). This standard was developed by the Californian Xerox corporation in 1976.

F connectors

(IEC 60169-24) are coaxial plugs with screw locking designed for high frequencies up to about 5 GHz with a defined wave impedance of 75 Ω. The most commonly used connector in satellite television systems.

FBAS

See **Cinch (RCA)**

FireWire

The FireWire interface is used for rapid data exchange between a computer and multimedia or other peripheral devices. Thanks to its high transfer rate, FireWire can also be used as an alternative to Ethernet (IP over FireWire).

Full HD TV

Full HD models offer TV and video images with 1920x1080 pixels – currently the highest pixel number in HDTV broadcasts or high-definition feeds. This picture quality represents five times the resolution of conventional TV pictures. Even when observed close up, the viewer cannot see any kind of pixel structure. Video projections profit in particular from full HD resolution. The term is mostly used to describe the ability of an HDTV-capable device to output the highest possible HD resolution.

Hardware detect

Automatic detection of incoming signals, e.g. if a laptop is connected while it is switched on, the output device automatically recognises this newly-connected device.

HDMI – High Definition Multimedia Interface

Interface for picture and sound information in HDTV and HD televisions. It allows the fully digital transmission of video data and digital sound with up to eight channels. The HDCP digital copy-protection system is built in.

HDTV – High Definition Television

HDTV has significantly higher resolution, shows the picture more sharply and with more detail, and is broadcast with an aspect ratio of 16:9 rather than the traditional 4:3. Resolution is up to 1920x1080 pixels. To receive HD pictures, a TV set is required that carries the "HD ready" seal.

Hi-Fi (high fidelity)

is a quality standard for audio reproducing equipment.

Hosiden

See **S-video**.

Impedance

Impedance, sometimes also called AC resistance, states the ratio of electrical voltage across a consumer (component, cable etc) to the current drawn. Impedance is important when matching high-frequency cables and also in the transmission of electromagnetic waves in free space. If for example the input impedance of a device does not match that of the incoming cable, reflections occur that reduce the energy transmitted and that can cause resonance effects and thus a non-linear frequency response.

ISDN – Integrated Services Digital Network

International standard for a digital telephone network. Allows multiple channels to be sent simultaneously. The basic connection offers the user two independently available channels for telephone or internet. Bandwidth is 64 (kb/s).

Keystone

Universal dimensions (19.3x14.7 mm) for cutouts for mountings.

KNX

KNX technology was formed from the confluence of three European bus standards, the European Installation Bus (EIB), the European Home Systems Protocol (EHS) and Batibus (used in heating/ventilation/climate control) to create a unified technological platform for all areas of home and building systems in the form of an international industry standard. KNX allows central control of practically all components of home and building systems technology, from lighting through heating to alarm systems, and offers advantages of convenience, security and economy for functional buildings as well as in residential settings. The KNX specification was presented by the then newly founded KNX Association in spring 2002. Based on the EIB standard, with which the new technology platform remains fully compatible, KNX emerged from expansions using new configuration mechanisms and transfer media that had originally been developed for Batibus and EHS. As early as 2003, KNX was ratified by CENELEC, the Brussels-based European committee for electrical standards, as European Standard EN 50090. Shortly afterwards it was ratified by the CEN standards institute under EN 13221-1 as the European standard for the automation of buildings.

LAN – Local Area Network

Computer network that links various computers and peripheral devices via cables or wireless over a restricted physical area.

LC

This connector is similar to the SC but smaller.

LOUDSPEAKER CONNECTION

Stereo (red+white) with screw fastening for the transfer of audio signals.

Glossary

Media control

Control of video, power, lighting and audio systems in a building. Sound, light and video are controlled by appropriate commands. Media control allows all devices to be used in a presentation to be linked and controlled in a time-based sequence.

Mini stereo jack

3.5 mm socket for transmitting audio (e.g. from a laptop or PC to the loudspeaker connection).

Mini USB

A compact plug or socket version of the USB standard. Developed for devices with little available space, such as mobile telephones and digital cameras.

MTRJ

This plug accepts two fibres; the junctions are embedded in a common plastic block that has the form of a RJ 45 connector. This construction also prevents any confusion of the outward and return conductor and is easy to insert and to remove. This connector is suitable for single-mode and multi-mode fibres.

MUTE

Switching of audio devices to silence.

OWG – Optical waveguides

Cables made up of, or including, optical fibre conductors with connectors, sometimes bundled, for carrying optical signals in the visible, ultraviolet or infrared ranges. Fibre-optic cables form a reasonably flexible medium for transmitting optical signals or even higher-powered optical radiation.

PAL – Phase Alternating Line

The conventional television standard in Europe for analogue TV signals with a resolution of 720x576 pixels.

Potential-free contact

Communicates a status between electrical devices. The contact is normally established via a relay or optocoupler. This ensures that the electric circuits of the respective devices remain galvanically isolated from one another. This solution is the simplest and safest method for e.g. transmitting digital data electrically.

PowerCON

3-pin power connector with coding and interlocking. Most frequently used for stage equipment. The interlock mechanism protects against the connector being accidentally pulled out of its socket.

PS/2 interface (PS/2 connector, PS/2 port, originally 'auxiliary port')

Commonly used 6-pin serial interface for input devices (e.g. mouse and keyboard) on personal computers.

PUSHBUTTON

Illuminated blue, for controlling devices (e.g. switches). Up / Down toggle switch for controlling external devices, e.g. projector screen, blinds etc.

RCA

See **Cinch (RCA)**

RGB signal

In a RGB signal the colours red, green and blue are each carried and/or stored in their own channel. RGB signals are used for video transmission e.g. on computers with the VGA interface or in video systems with SCART connections.

RJ (registered jack) connectors

These are standard connectors for telecommunications cables. The standards describe the physical form of male and female connectors as well their contact configurations and are designated by the letters RJ and a number (e.g. RJ-45), with or without the hyphen. Examples: RJ126P6C/RJ458P8C

RJ12

see **RJ (registered jack) connectors**

Router

A device that forwards data packets through various networks. The router serves to calculate the connections between, for example, two local networks (LANs) and automatically establishes the optimum path for the data packets.

RS-232

Serial interface standard with 25-pin or 9-pin connector for serial transmission of computer data. Also known as V.24. 1-to-1 pin configurations are used, as also are crossover cables.

SC

This connector is used in new LAN installations. The right-angled design can be used for multi-mode and single-mode glass fibres. Average insertion loss is about 0.2 dB, maximum approx. 0.4 dB. The advantage of SC over the ST connector is the push-pull design – i.e. the plug locks in automatically when inserted and is released when pulled out. This allows the use of duplex connectors (two connectors linked by a duplex clip) and duplex connections can be simultaneously inserted and removed.

Speakon

Loudspeaker connector offering high robustness, a contact current capacity of 20A and secure interlocking. Speakon connectors are available in two-pin, four-pin and eight-pin versions; the 2-pin and 4-pin types are mutually compatible. The eight-pin version has a larger physical size. The number of contacts available in a single connector makes it possible to connect multi-channel passive systems, satellite subwoofer systems or multi-channel monitor loudspeaker constellations via a single cable.

ST

This connector (also known as a BFOC connector) is common in LANs and is suitable for single-mode and multi-mode optical fibre cables. Average insertion loss is about 0.3 dB, maximum approx. 0.5 dB.

STAINLESS STEEL PUSHBUTTON

For self-connection for controlling devices and media

S-VHS – Super Video Home System

An improved, downward compatible VHS standard for home video-band recording that offers a better picture resolution and greater colour accuracy. Horizontal image resolution is some 2/3 better than in VHS. S-VHS is a standard, not a connector. The S-VHS standard signal may however be transmitted via the S-video (Hosiden) connector.

S-video/Super Video system

S-video, also known as the Y/C process, designates a special analogue video signal process in which the 'luminance' (brightness) information is carried and processed separately from the 'chrominance' (colour information). An example application of S-video is in VHS video recorders.

Switch

Network components for linking multiple computers or network segments into a local area network (LAN). Switches analyse network traffic and make logical decisions.

TOSLINK

A standardised optical waveguide connection system for optical signals in the range up to about 20 Mb/s. Used to transmit digital audio signals between audio devices.

TrueHD

Audio standard for high-resolution media such as Blu-ray and HD DVD. TrueHD allows 100% loss-free compression of audio data. The codec allows a data rate of up to 18 Mb/s.

USB – Universal Serial Bus

USB is used to connect a variety of devices together by cable. USB is a bit-serial bus on which the individual bits of a data packet are sent consecutively. Devices with USB can be connected to one another while in operation, since the newly connected devices are automatically detected. USB is used to connect, for example, printers, digital cameras, MP3 players and hard disks to a computer.

VB5

See **Cinch (RCA)**

VGA/audio switch

Switch between multiple input sources (e.g. multiple laptops) as required and forward the signal to output media devices (e.g. beamer, projector, monitor, loudspeaker).

VGA – Video Graphics Array

refers to a computer graphics standard (EISA, 1987) that defines specific combinations of image resolution and number of colours (colour bit depth) as well as repeat frequency. VGA allows a resolution of 640x480 pixels, while VGA cables allow a higher resolution.

VGA 15-pole socket for transmitting image signals (e.g. from a laptop or PC monitor to a projector or beamer, VGA switching etc.)

XLR

Industry standard for electrical plug connections. Used in professional public-address and recording studio systems. 3-pin XLR connectors are used for analogue microphone and loudspeaker signals and for digital AES/EBU signals. 5-pin connectors are used for DMX digital lighting control data.



Socket types used in different countries and made by Bachmann



M type with earthing contact, 35° earthing contact

Socket type: earthing contact 16 A / 250 V~ max. 3600 W

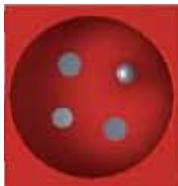
- Conforms to DIN VDE 0620-1 Design DIN 49 440
- Colours: black, red, white, grey
- rotated 35°
- Module width 42.5 mm
- For use in: Germany, Austria, Netherlands, Italy (partial), Spain, Portugal, Sweden, Norway, Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea, Indonesia, Iceland, Chile, Bulgaria



M-UTE 35° France

Socket type: UTE/France 16 A/250V~ max. 3600W

- Conforms to NF C 61-314
- Child-proof
- Colours: black, red, white, grey
- rotated 35°
- Module width 42.5 mm
- For use in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic



M-UTE IT red France

Socket type: UTE/France IT red 16A/250V~ max. 3600W

- Conforms to NF C 61-314
- Child-proof and with additional plug fuse
- Colour: red
- rotated 35°
- Module width 42.5 mm
- For use in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic



M-CH 0° Switzerland

Socket type: Switzerland CH 10 A / 250 V~ max. 2500 W

- Conforms to SEV 1011:98
- Colours: black, red
- rotated 0°
- Module width 35 mm
- For use in: Switzerland, Liechtenstein



M-USA 0° USA

Socket type: USA 15 A / 115 V~

- Conforms to UL
- Colour: black
- rotated 0°
- Module width 32 mm
- For use in: USA, Canada, Mexico, South America (some regions)



M-UK FUSE 45° UK

Socket type: UK individually fused 3.15A/240V~ or 5A/240V~

- Conforms to BS 5733:1995
- Individually fused, selectable 3.15 A or 5 A
- Child-proof
- Colour: black
- rotated 45°
- Module width 74.8 mm
- For use in: UK as per standard for office furniture



M-UK FUSE 90° UK

Socket type: UK 13 A / 240 V~

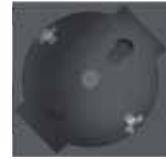
- Conforms to BS 1363
- Individually fused, selectable 3.15 A or 5 A
- Child-proof
- Colour: black
- rotated 90°
- Module width 54 mm
- For use in: UK, Ireland, Singapore, Malaysia, Cyprus, Malta, Hong Kong, Dubai

Socket types used in different countries and made by Bachmann

M-IT 35°
Italy

Socket combination with earthing contact / Italy 10A/230V or 16A/230V~

- Child-proof
- Colour: black
- rotated 35°
- Module width 45 mm
- For use in: Italy, South Tyrol, South America (some regions)
- Available from mid-2008


M-AUS 90°
Australia

Socket combination for Australia 10A/250V

- Conforms to AS/NZS 3112
- Colour: black
- rotated 90°
- Module width 45 mm
- For use in: Australia, New Zealand, Argentina
- Available from mid-2008


M-DK 35°
Denmark

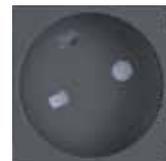
Socket type: Denmark household 10 A / 250 V~

- Conforms to DS/IEC 60884-1:2004
- Colour: black
- rotated 35°
- Module width 42.5 mm
- For use in: Denmark


M-DK EDV 35°
Denmark

Socket type: Denmark IT 10 A / 250 V~

- Conforms to DS/IEC 60884-1:2004
- Colour: black
- rotated 35°
- Module width 42.5 mm
- For use in: Denmark


M-IEC 10 A
Socket type: cold connector outlet 10 A / 250 V~

- Conforms to IEC 320
- Colour: black
- rotated 90°
- Module width 42.5 mm
- Can be used: internationally


M-IEC 16 A
Socket type: cold connector outlet 16 A / 250 V~

- Conforms to IEC 320
- Colour: black
- rotated 90°
- Module width 42.5 mm
- Can be used: internationally


M-GST18i3
Socket type: GST18i3 16 A / 250 V~

- Conforms to DIN VDE 0628
- Colours: black, red, white, flint grey
- rotated 90°
- Module width 42.5 mm
- Can be used: internationally



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317.102	31	375.102	114	903.100	84
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336.004	42	375.106	114	903.102	85
336.006	42	375.115	113	903.103	92
336.014	42	375.116	113	903.104	86
336.015	42	375.117	113	903.105	91
336.039	41	375.127	113	903.106	91
336.046	41	375.128	113	903.107	110
336.065	42	375.129	113	903.107	97
336.067	41	375.500	114	903.108	110
336.072	41	375.501	114	903.108	97
336.076	41	375.502	43	903.109	110
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336.600	41	375.506	115	903.111	96
336.601	41	375.507	115	903.112	96
336.603	41	375.514	115	903.113	96
336.604	41	375.515	114	903.114	91
336.606	41	375.516	114	903.400	80
375.000	113	375.517	115	903.401	80
375.003	113	375.518	114	903.500	80
375.004	114	375.519	115	903.600	80
375.005	113	375.520	115	904.000	26
375.007	113	375.521	115	904.001	26
375.016	113	375.522	115	904.002	26
375.017	113	375.523	115	904.003	26
375.018	113	375.524	115	904.004	26
375.038	113	375.529	43	904.005	26
375.039	113	902.000	35	904.006	26
375.040	114	902.001	35	904.007	26
375.044	113	902.002	35	904.008	27
375.045	113	902.003	35	904.009	27
375.046	113	902.004	35	904.010	27
375.050	113	902.005	35	904.011	27
375.053	113	902.006	35	904.020	26
375.055	113	902.007	35	904.021	26
375.064	114	902.008	35	904.022	26
375.068	113	902.009	35	904.023	26
375.069	113	902.010	35	904.024	26
375.070	113	902.011	35	904.025	26
375.071	114	902.012	35	904.026	26
375.072	114	902.017	35	904.027	26
375.073	114	902.017	35	904.900	27
375.075	113	902.018	35	906.000	41
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906.067	42	911.908	19	917.008	55
906.071	41	911.909	19	917.009	73
906.080	41	911.910	19	917.010	73
909.000	14	911.913	19	917.011	63
909.001	15	912.000	108	917.012	71
909.002	14	912.000	20	917.018	70
909.003	14	912.001	108	917.019	70
909.004	14	912.001	21	917.021	64
909.005	15	912.002	20	917.022	66
909.006	15	912.003	20	917.023	67
909.007	15	912.004	21	917.024	68
909.008	15	912.005	21	917.026	65
909.009	15	912.006	21	917.027	65
909.010	14	912.007	21	917.028	65
909.011	14	912.008	21	917.030	66
909.012	15	912.009	20	917.031	71
909.013	15	912.010	20	917.032	56
909.014	15	912.011	21	917.033	56
909.015	15	912.012	21	917.035	66
909.016	15	912.013	21	917.036	67
909.017	14	912.014	21	917.037	70
909.018	14	912.015	20	917.038	54
909.019	15	912.016	20	917.039	55
909.020	15	912.017	21	917.040	73
909.021	14	912.018	21	917.041	73
909.022	15	912.019	21	917.045	62
909.023	15	912.021	21	917.046	72
909.025	14	912.022	21	917.047	72
909.028	14	912.023	20	917.051	55
909.029	14	912.024	21	917.052	55
909.033	15	912.025	21	917.056	94
909.050	15	912.035	21	917.056	72
909.058	14	912.037	20	917.060	72
909.065	14	912.045	20	917.060	36
911.000	18	913.000	5	917.061	54
911.001	18	913.005	5	917.062	54
911.002	18	915.000	31	917.064	52
911.003	18	915.001	31	917.065	52
911.004	18	916.000	31	917.066	52
911.005	18	916.001	31	917.067	53
911.500	23	916.002	31	917.068	53
911.501	23	916.003	31	917.069	63
911.502	23	916.004	31	917.070	63
911.503	23	916.005	31	917.071	62
911.900	19	916.010	31	917.072	63
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911.902	19	917.001	54	917.074	63
911.903	19	917.002	55	917.075	70

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917.091	67	918.007	110	930.035	118
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917.094	69	918.008	96	930.038	117
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917.127	72	918.023	96	930.062	119
917.134	96	918.024	112	930.063	119
917.134	62	918.025	43	930.064	119
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917.139	53	918.033	57	930.120	37
917.140	53	918.034	110	930.143	57
917.141	70	918.034	57	930.180	37
917.143	64	918.035	57	930.182	37
917.145	64	918.040	64	930.183	37
917.150	62	918.045	112	930.900	120
917.152	72	918.066	110	930.901	120
917.153	55	918.066	97	930.902	120
917.157	67	918.067	110	930.903	120
917.158	54	918.067	97	930.904	120
917.159	54	918.068	110	930.905	120
917.160	62	918.068	97	930.906	121
917.161	65	918.069	110	930.907	121
917.162	65	918.069	97	930.908	121
917.163	67	924.700	103	930.909	121
917.164	67	925.000	12	930.910	121
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