



# Installation systems

# Building Connections

Digitalisation, the Energiewende (energy transition), mobility – the future is gathering speed. At OBO Bettermann, we're proud to be a driving force. And as a facilitator, we make connections. Today, we are already developing the innovative electrical infrastructure systems and solutions of tomorrow. Reliably, flexibly, sustainably.

Already today, OBO is one of the leading manufacturers of installation systems for the electrical infrastructure in buildings and plants. When it comes to the friction-free flow of power, energy and data, engineers and tradespeople worldwide rely on the comprehensive range from OBO.



OBO applies its slogan "Building Connections" to around 30,000 high-quality branded electrical products and services, which are used in application solutions for projects in industry, business and infrastructure.

OBO operates a global network and employs more than 4,200 people in more than 60 countries. The headquarters of the family company, which was founded in 1911, is located in Menden, Germany. In addition, more than 40 subsidiaries are present in markets on all continents.

Gebäudeinstallation Einbausysteme / en / 2023/07/27 13:13:43 43 (LLEExport\_03605) / 2023/07/27 13:14:04 13:14:04



# Improved structure, sharpened profile



Each of our products carries a benefit which only the OBO brand can offer. Products are developed, manufactured and tested with a high level of competence – from the idea through to the final check. From flawless logistics through to practical information – we can provide support at every level. We can offer additional security through certificates on the conformity of our products with the most important standards and directives. In a nutshell – OBO helps you more. In every location and in every phase of a project.

To maintain this, we continually challenge ourselves. Not as an end in itself but for the better processing of each customer's requests – fast, reliably and future-oriented. That is the reason we have not only established our three central application areas, but also reworked our catalogue structure. In this way, we can display our service offers more clearly, highlight the product benefits more effectively and illustrate the respective application areas more tangibly.

# OBO Product Worlds



## Industrial installations

- Cable support systems
- Connection and routing systems
- Fastening material



## Building installations

- Cable routing systems
- Device installation ducts, trunking and poles
- Floor installation systems and underfloor applications
- Installation systems



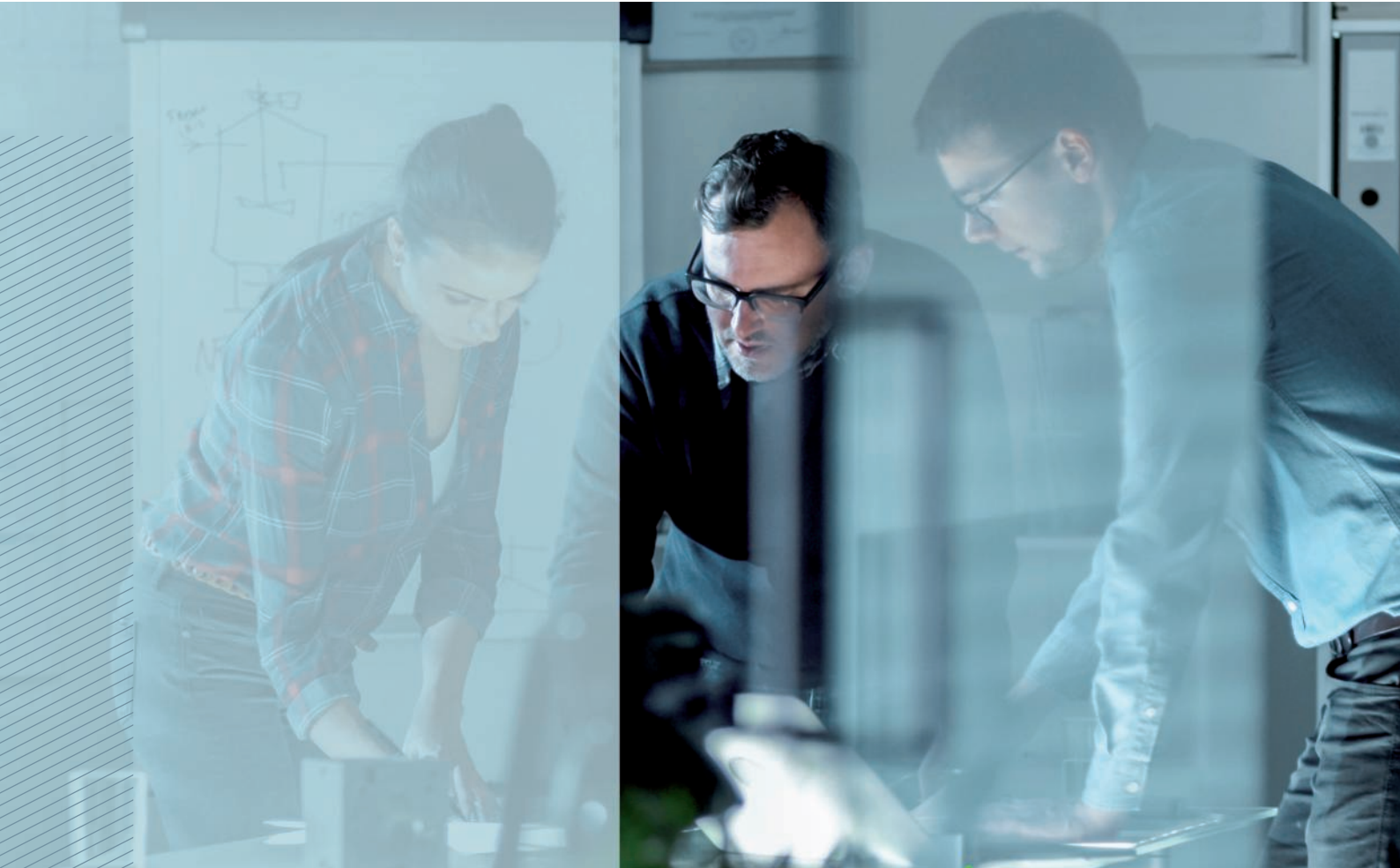
## Safety and protection installations

- Surge protection
- External lightning protection
- Equipotential bonding and earthing
- Insulation and cable bandages
- Fire-tested support and routing systems
- Fire protection ducts



It's your choice – from now on there's a catalogue for each OBO product category. Simply select the catalogues and order together with a collection case.

# OBO Support & *contact*



***You have a  
problem?  
We have the  
solution!***

OBO Bettermann is more than the sum of its products. In any situation, we are the reliable partner right by your side. You have a problem? We have the solution!

It doesn't matter in which area of industry our support is needed – from industrial and plant engineering to private, public and administrative buildings, as well as in the areas of mobility and renewable energies – we have everything that you need.

OBO can not only provide the entire electro-technical infrastructure with the best possible products. We can also support you with sound expert knowledge and more than 100 years of experience, right from the planning phase through to the realisation of your projects. OBO – solutions you can rely on.

You can contact our Customer Service department on:

**Customer Service**

**Tel.:+49 23 73 89 - 17 00**

**Monday–Thursday**  
07.30–17.00

**Friday**  
07.30–15.00

**export@obo.de**

## What is OBO Support?

Every OBO product carries a plus inside it, which only a branded product can offer. It is developed, manufactured and tested with a high level of competence, from the idea right through to the final check. In addition, our specialists are available for consultation and can offer you assistance and training courses for products at any time.

Together with you, we plan your project and help you choose the right products, and are also available to you at any time should you need us. From flawless logistics through to practical information – we can provide support at every level. We can offer security through certificates on the conformity of our products with the most important standards and directives.

We are as flexible as you are – because we know how practical people work and what is important to them. Each step is a plus – that is the OBO Support concept.



Service



Training



Handling



Certification

### Service – OBO can help

Everywhere and in every project phase:

- Highly competent hotline
- Product and system information, digitally or printed
- Selection and planning aids on the web, as an app, as a CAD application or in printed form
- 2D and 3D product data for planning
- Field service, branch offices and subsidiaries in 60 countries
- Engineering services for major projects

### Training courses from OBO

- Seminars and workshops
- Local consultation and training courses
- Planner days

### Handling – OBO delivers reliably

With optimised delivery processes:

- Reliable logistics
- Practical transport systems and packaging
- Loading gear handling and disposal concepts

### Certification and guarantee

OBO offers safety. Our products fulfil the most important country-specific regulations:

- Conformity (e.g. IEC, VDE, CE, KEMA, KEUR, UL)
- Certification (e.g. DIN EN, DGNB)
- 5-year guarantee for surge protection products
- Guarantee management





**Planning aids**

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# Planning aids

**Modul 45® devices**

**Modul 45®. One system. All kinds of applications**

**Work faster with Modul 45® devices**

**Modul 45® data and multimedia technology**

**Installation solutions for device installation trunking and service poles with 80 mm system opening**

**Modul 45® in Rapid 45 and Rapid 80 device installation trunking**

**Modul 45® in ISS service poles**

**Device installation in 80 mm trunking systems**

**Data and multimedia installation in mounting supports**

**Modul 45connect® plug-in installation solutions for device installation trunking and service poles**

**Sockets Modul 45connect® + installation accessories**

**Modul 45connect® in the Rapid 45 trunking**

**Modul 45connect® in Rapid 80 trunking**

**Modul 45connect® in service poles**

**Energy distribution via Consolidation Point**

**Modul 45connect® – system components**

**Modul 45connect® – plug-in installation solutions for raised and cavity floors**

**Plug-in device installation solution for raised and cavity floors**

**Raised floor systems**

**The universal support Connect UTC**

**Cavity floors**

**Installation benefits of Modul 45connect®**

**Modular structure**

**Workplace solutions – Deskboxes**

**The Deskbox DB**

**The lowerable Deskbox DBV**

**The foldable Deskbox DBK**

**Configure an individual Deskbox in 5 steps**

**Plastic materials**

**Chemical resistances of hard PVC**

# Modul 45<sup>®</sup>-devices

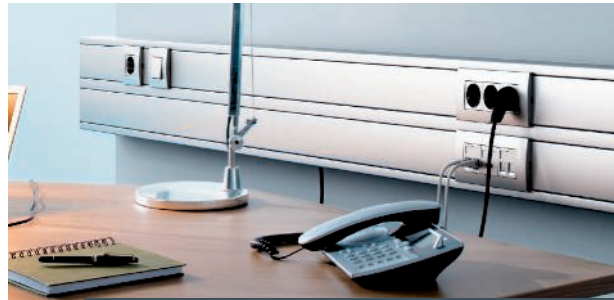


Installation in floor boxes

With their dimensions of 45 x 45 mm, the Modul 45<sup>®</sup> devices from OBO Bettermann are compact and space-saving. For this reason, the sockets, data and multimedia technology connections are ideal for use in underfloor systems, device installation trunking and service poles. The Modul 45<sup>®</sup> system makes optimum use of limited installation space.

**The advantages of Modul 45<sup>®</sup> at a glance:**

- Space savings thanks to compact design
- Modular structure
- Quick and easy planning
- Simple mounting
- High efficiency due to time and cost savings
- Wide range of application options
- Easy exchangeability



Installation in device installation trunking



Installation in service poles



**Modul 45® protective contact and earthing pin sockets**



**Modul 45® country-specific sockets**



**Modul 45® switching and protective devices**



**Modul 45® data technology**



**Modul 45® multimedia technology**



The Modul 45 devices from OBO Bettermann offer the right solution for every application – no matter whether you're dealing with sockets, data or multimedia technology.

- Multiple sockets for economic device installation
- Sockets for international applications
- Modul 45connect sockets for quick, secure installation
- Data technology supports for data modules of different manufacturers
- Multimedia connection solutions for data, video and audio transmission

# Modul 45®

One system. All kinds of applications.



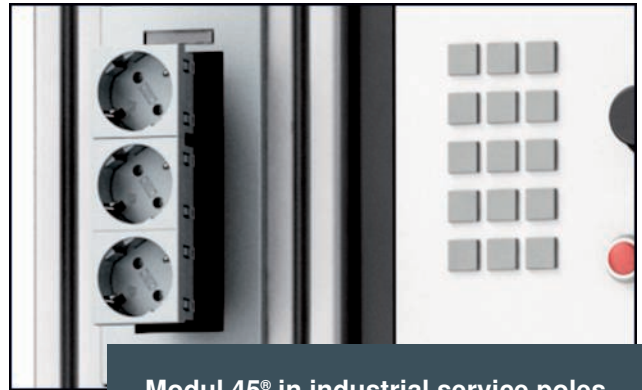
Modul 45® in the Rapid 45 device installation duct



Modul 45® in suspended power supply units



Modul 45® in the Rapid 80 device installation duct



Modul 45® in industrial service poles



Modul 45® in underfloor service units and cassettes



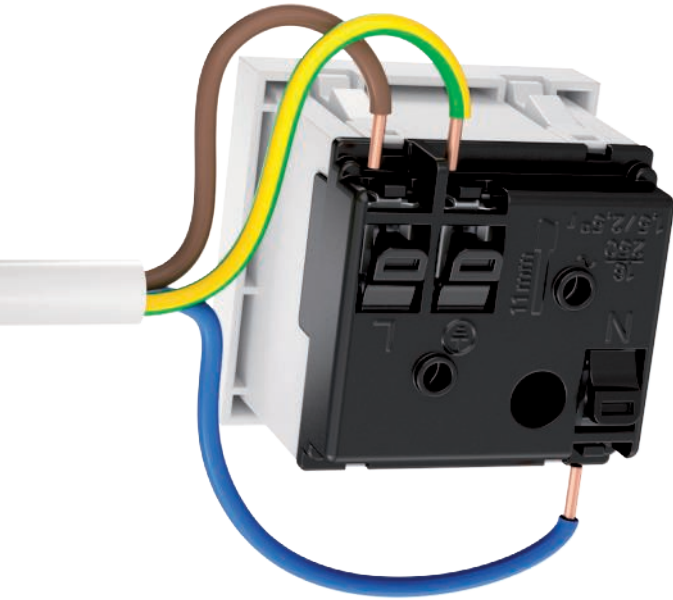
Modul 45® in service poles



Modul 45® in underfloor floor sockets and floor boxes

# Push in. Lock. And that's it.

Work faster with Modul 45® devices



## Connection of Modul 45® sockets

The screwless terminals correspond to IEC 60884-1 and are suitable for the connection of rigid cables of 1.5 to 2.5 mm<sup>2</sup>. Each screwless terminal can accept two conductors.

## Multiple sockets

The multiple sockets, in the double and triple versions, are particularly economic and time-saving during installation. In a standard installation, the wiring of the individual sockets takes a lot of time. This time is not required at all when installing the multiple sockets.



## Time saved

The integrated screwless terminals and the tried-and-trusted locking fastening allow toolless mounting. The wide range of country-specific sockets offers the right solution for any system environment.

# Modul 45® data and multimedia technology



Today, we cannot picture offices without a data network. Flexible cabling solutions and data connection modules are used with increasing frequency. OBO can offer various data connection modules, both with and without shielding: Cat. 5e, Cat. 6 and Cat. 6a. The data connection modules are simply snapped into the Modul 45 data technology support.

With the multimedia connection solutions, computer, video and audio connections can be installed in the different OBO system environments. No matter whether in the GES service unit, in cassettes or in System 55 – with the Modul 45 support plate, mounting is easy and quick.

## Practical connection solutions

We have the right connection solution for every connection type: Whether you are routing pre-terminated cables or conventional installation cables.

- Solder connection or screw connection for conventional cable connections
- Connection cable or 1:1 coupling to connect pre-terminated cables





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**Integrated dust protection**

Integrated dust protection flaps cover the data connection modules when unused. They protect them against dust and other outside influences. During use of the data socket, the dust protection flaps are pushed upwards. After the connection cables have been removed, the dust protection flaps close again automatically.

**Modul 45® data technology support**

A large selection of different data technology support is available for the installation of the connection modules. In so doing, data technology supports of other manufacturers can be installed.

# Modul 45®

Installation solutions for device installation ducts and service poles with 80 mm system opening

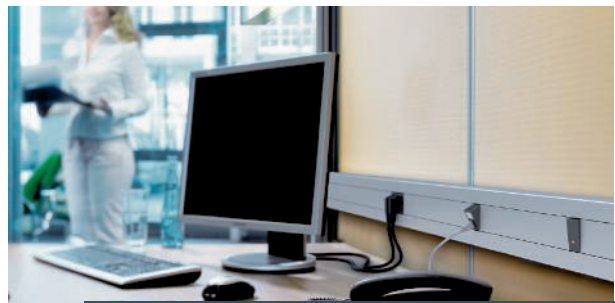


**Rapid 80 device installation trunking**

The Modul 45® devices from OBO Bettermann are compact and space-saving. They are therefore ideal for use in device installation trunking and service poles. The Modul 45® system makes optimum use of limited installation space.

**The advantages of Modul 45® at a glance:**

- Space savings thanks to compact design
- Modular structure
- Quick and easy planning
- Simple mounting
- High efficiency due to time and cost savings
- Wide range of application options
- Easy exchangeability



**Rapid 45 device installation trunking**



**Service poles**



### Sockets and installation units



### Installation material for Modul 45® devices



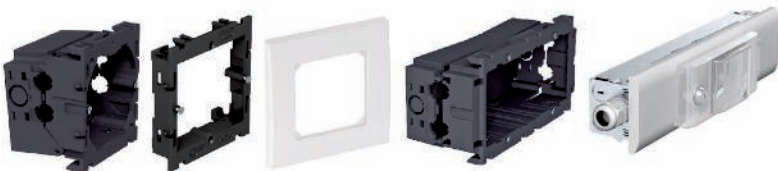
### Sockets and switching devices Modul 45®



### Data and multimedia technology Modul 45®



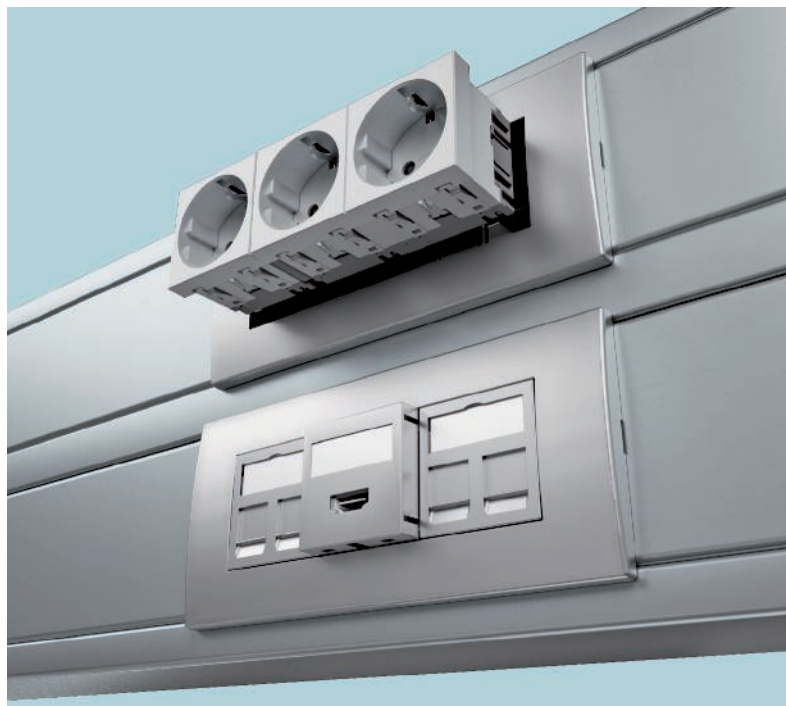
### Installation material for standard devices



The Modul 45 devices from OBO Bettermann offer the right solution for every application – no matter whether you're dealing with sockets, data or multimedia technology.

- Multiple sockets for economic device installation
- Sockets for international applications
- Modul 45connect sockets for quick, secure installation
- Data technology supports for data modules of different manufacturers
- Multimedia connection solutions for data, video and audio transmission

# Modul 45® in Rapid 45 and Rapid 80 device installation trunking



Modul 45 devices are engaged directly in the trunking without additional components. The installation opening of the Rapid 45 trunking is matched to the whole range of Modul 45 devices and thus offers flush installation.

Modul 45 devices are inserted in accessory mounting boxes with cover frames in the Rapid 80 trunking. This also allows the benefits of the Modul 45 devices to be integrated in the standard device installation trunking with matched design.

# Modul 45<sup>®</sup> in ISS service poles

Modul 45 devices are also suitable for vertical installation in service poles. Installation is comparable with device installation in the device installation trunking: Either direct installation in the profile or using accessory mounting boxes with cover frame.



Service poles  
in office environments



Service poles  
in industrial environments



# Device installation in 80 mm trunking systems



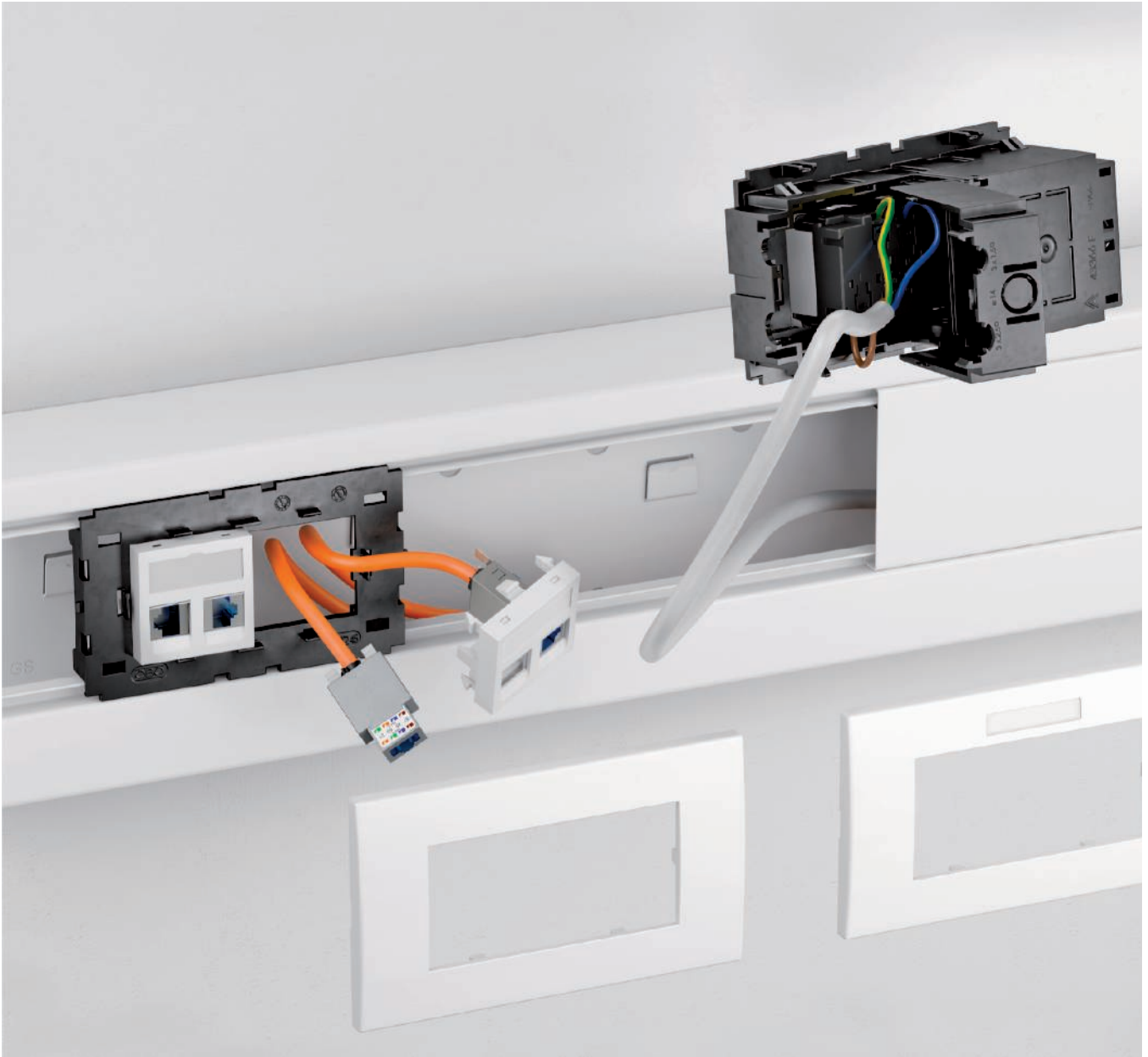
The use of device installation sockets and mounting supports with Modul 45 devices consistently continues the concept of toolless mounting.

### Socket installation in accessory mounting box

Appropriate single, double and triple accessory mounting boxes are available for all Modul 45 socket units. Cable connection and strain relief occur after engagement of the sockets through the accessory mounting boxes, which are opened from the rear.

The labelling panel can be snapped directly onto the accessory mounting box and thus remains intact, even with retroinstallations at the installation location.

# Data and multimedia installation in mounting supports



Single, double and triple mounting supports are available for the installation and combination of data and multimedia connections. The open mounting support allows installation with increased bend radii. As with the accessory mounting box, the cover plates are simply snapped onto the mounting support.

# Modul 45connect®

Plug-in installation solutions for device installation ducts and service poles



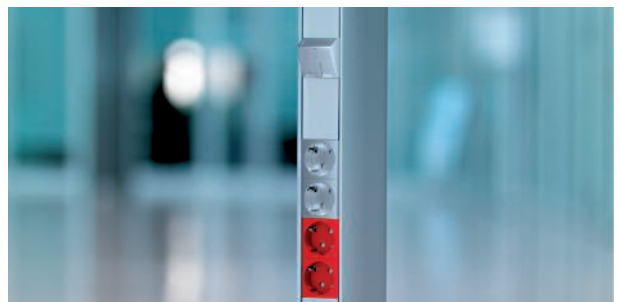
**Rapid 45 device installation trunking**

As continuously connectable installation technology, the Modul 45connect® range for device installation trunking and service poles offers the highest level of flexibility, security and cost-efficiency.

From energy distribution through to device connection in the trunking, the system offers all the required installation components.



**Rapid 80 device installation trunking**



**Service poles**



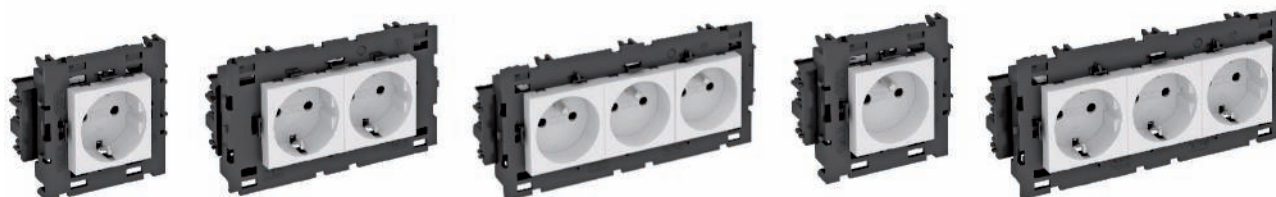
# Sockets Modul 45connect® + installation accessories



## Sockets 0° for Rapid 45



## Sockets 0° for Rapid 80



## Sockets 33° for service poles



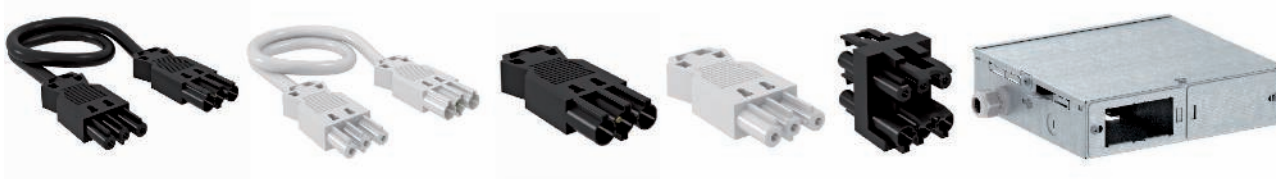
## Device installation material for Rapid 80 and service poles



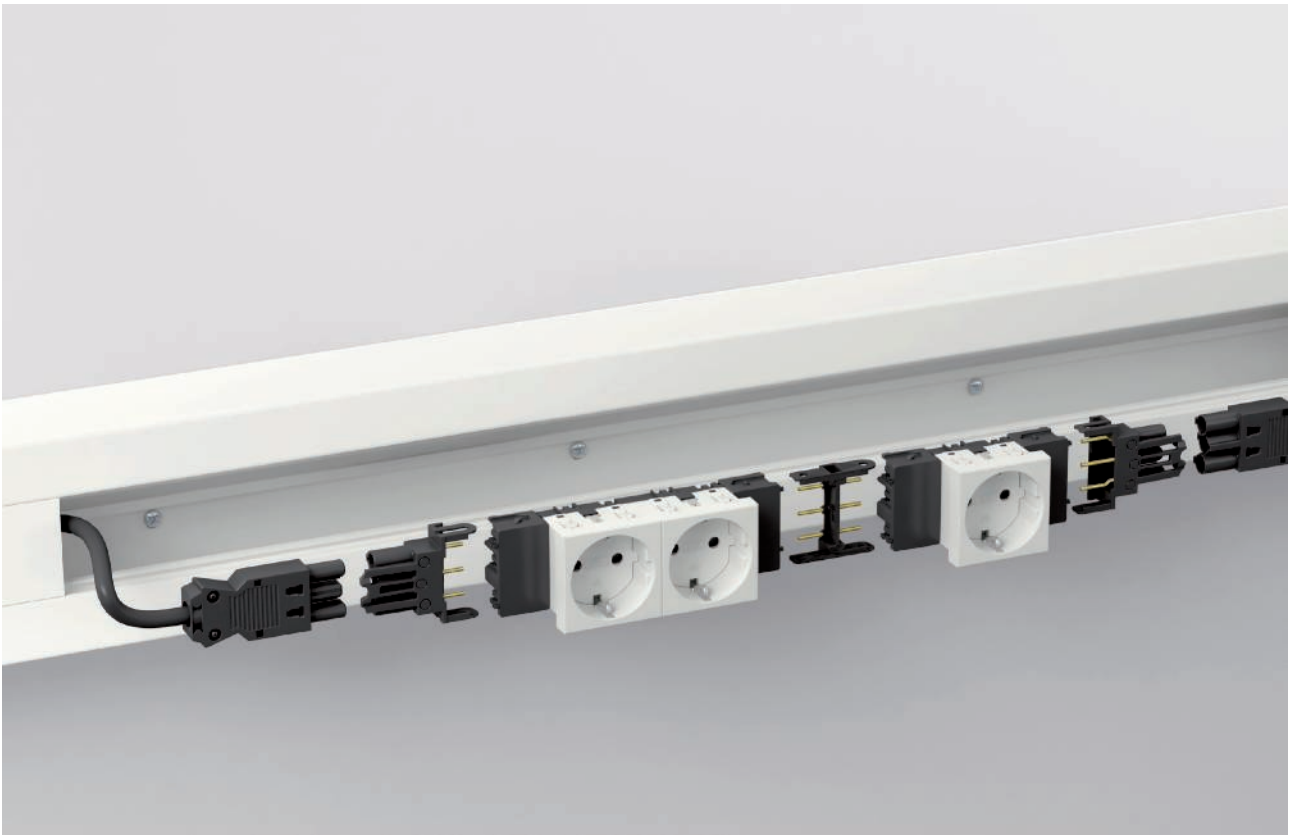
## Connection adapters



## Installation accessories and connection cables

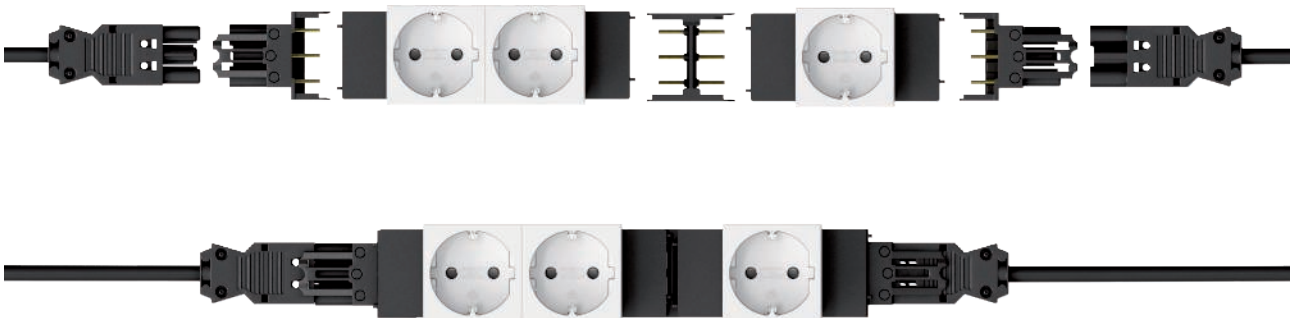


# Modul 45connect® in the Rapid 45 trunking



Rapid 45 trunking is marked by a slender design. It is ideally matched for direct installation of the Modul 45 range for sockets, data and multimedia installations.

Modul 45 connect 0° sockets are inserted in the Rapid 45 trunking with a front-side connection. This allows the toolless installation of connected sockets in the trunking profile. Connection adapters with integrated strain relief are specially available for use in Rapid 45.



Rapid and toolless installation through Modul 45connect®

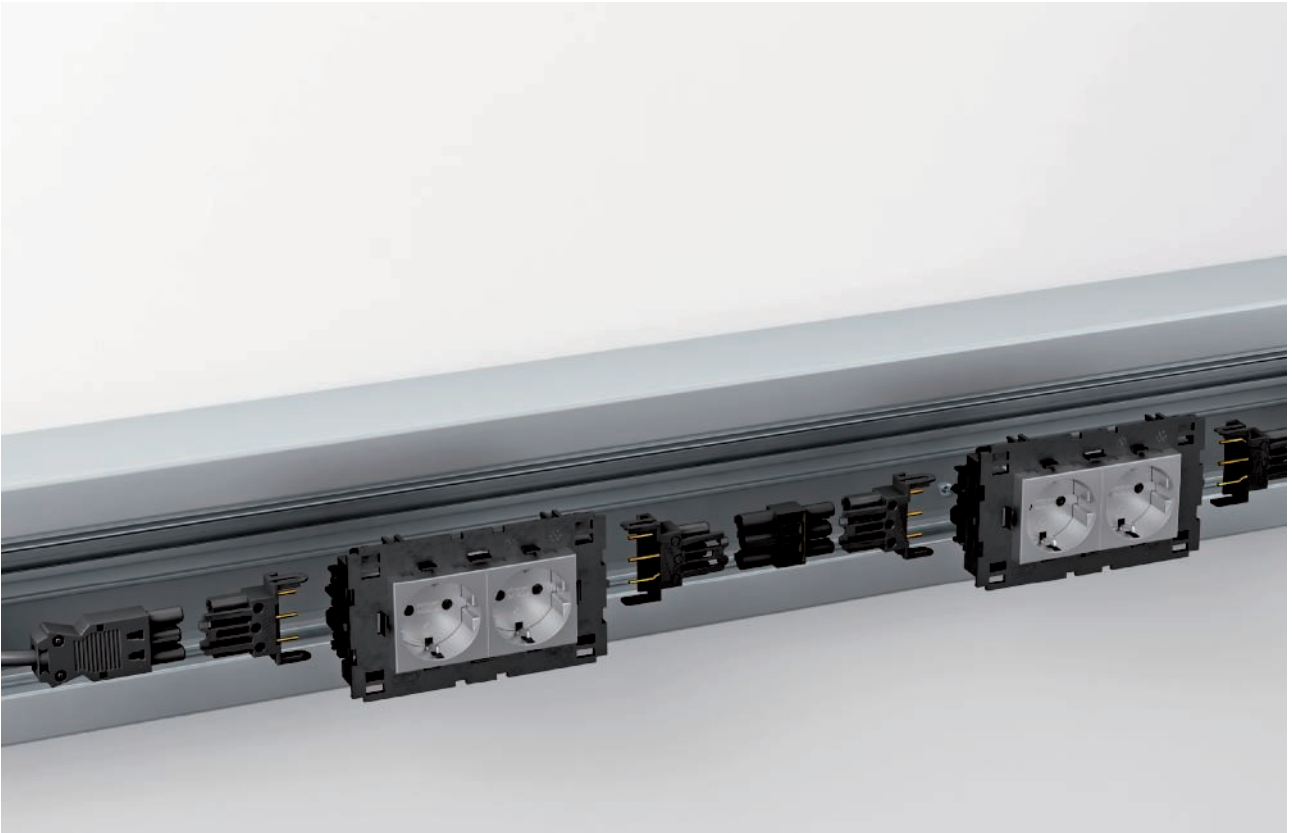


Safe installation through encoded connection technology



Direct mounting in the trunking – without additional components

# Modul 45connect® in the Rapid 80 trunking

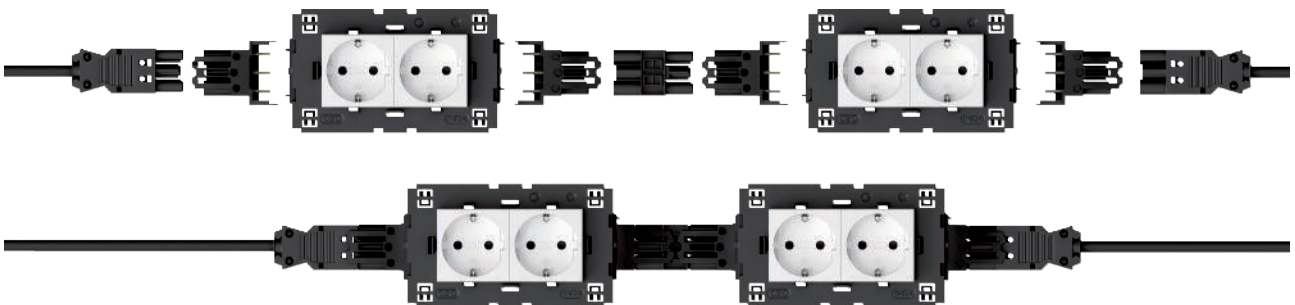


Rapid 80 trunking offers large trunking openings for device installation and sufficient space for large cable volumes.

The Modul 45 product range for sockets, data and multimedia installation is installed in the Rapid 80 trunking using accessory mounting boxes.

In Rapid 80, Connect 80 sockets are offered as a unit with an installation frame. The 0° Connect sockets are installed with a connection adapter with integrated strain relief.

This allows continuous, plug-in installation technology – there is no need for the conventional connection of sockets.



Rapid and toolless installation through Modul 45connect®

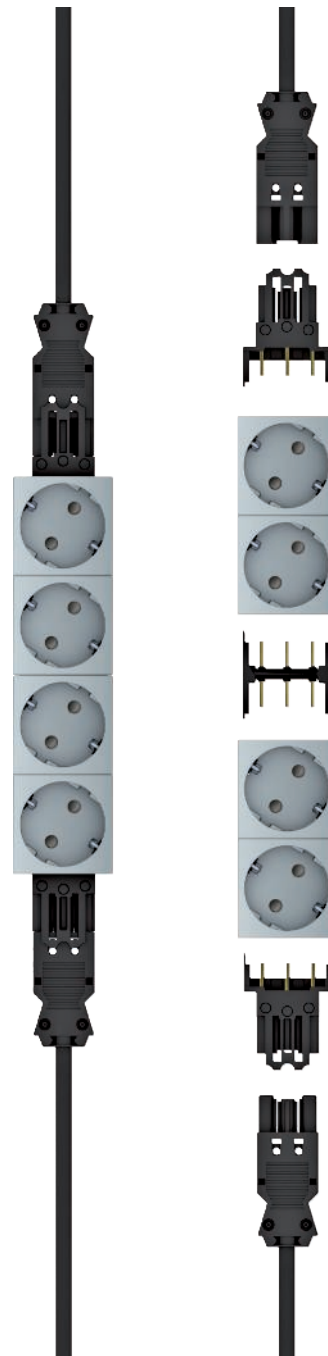


Safe installation through encoded connection technology



Direct mounting in the trunking – without additional components

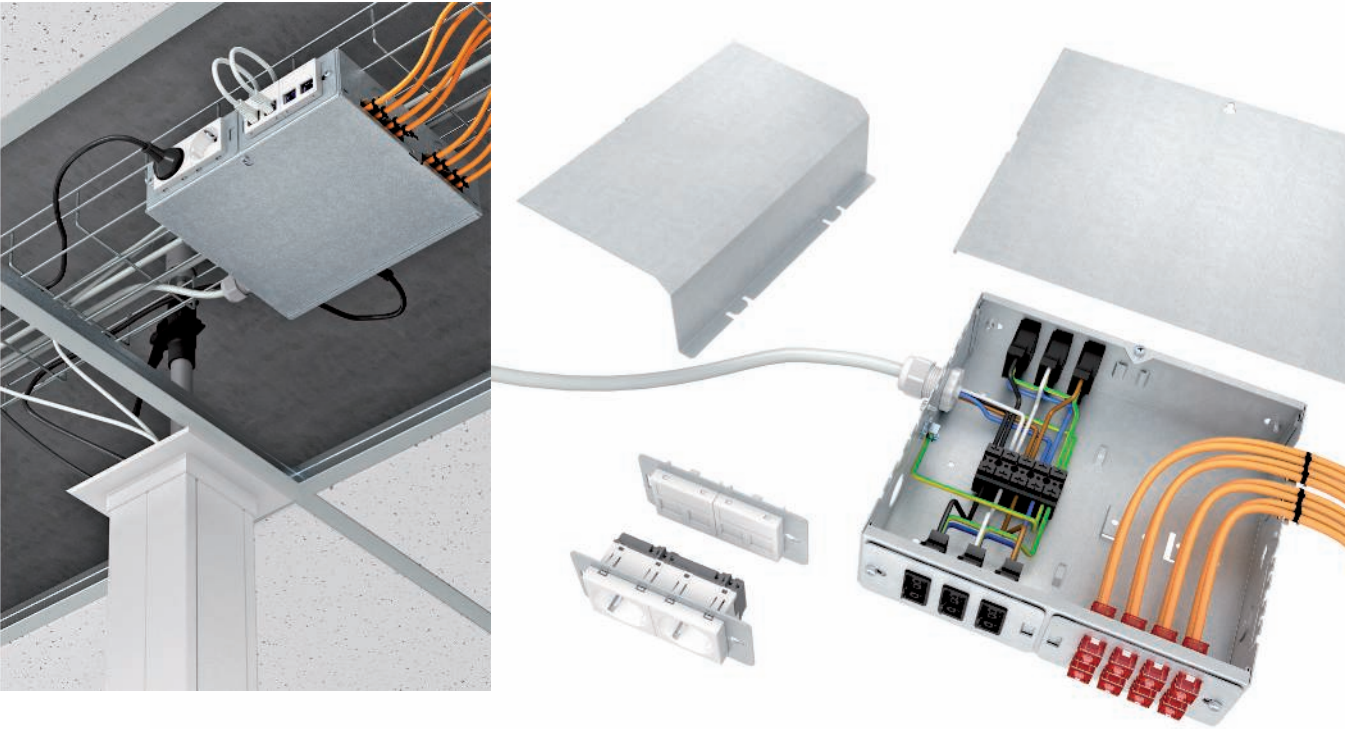
# Modul 45connect® in service poles



Service poles offer direct access to the installation technology at the workplace. Service poles with 45 and 80 mm installation openings are offered.

Modul 45 connect 33° sockets are inserted in service poles with a front-side connection. These 33° Connect sockets can be arranged without gaps using connection adapters. Connection adapters with integrated strain relief are specially available for use in service poles.

# Energy distribution via Consolidation Point



Consolidation Points are positioned centrally in the false ceiling and allow the supply of multiple service poles from the ceiling.

This solution allows the distribution of power, data and multimedia.

Consolidation Points offer a high level of flexibility and combination options for power, data and multimedia connections.

The electrical supply is possible via both the Modul 45® sockets and the plug connector systems. In the housing, cover hoods can be used to separate the different sockets and to separate the power and data technology.

Data and multimedia technology can be installed in the housing conventionally or with pre-terminated data cables.



Rapid and toolless installation through Modul 45connect®



Safe installation through encoded connection technology



Direct mounting in the trunking – without additional components



Direct mounting in the trunking – without additional components

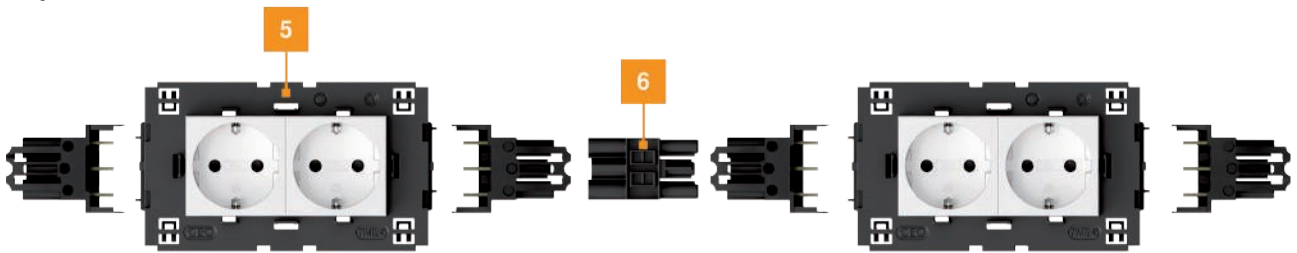


# Modul 45connect®

## Rapid 45



## Rapid 80

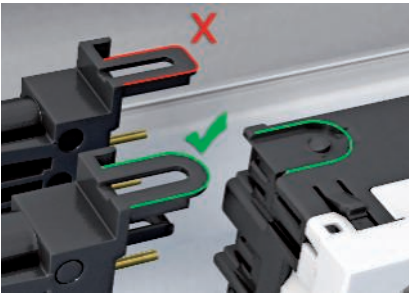


## Service poles



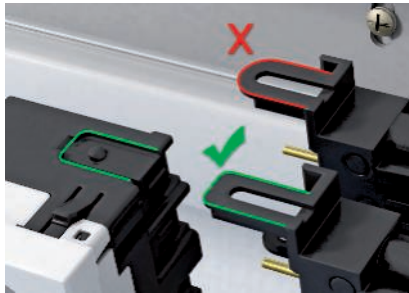
### System components

1	Connector adapter GST18
2	0° socket for Rapid 45
3	Connection adapter sockets
4	Socket section adapter GST18
5	0° socket for Rapid 80
6	Connection adapter GST18
7	33° socket for service pole



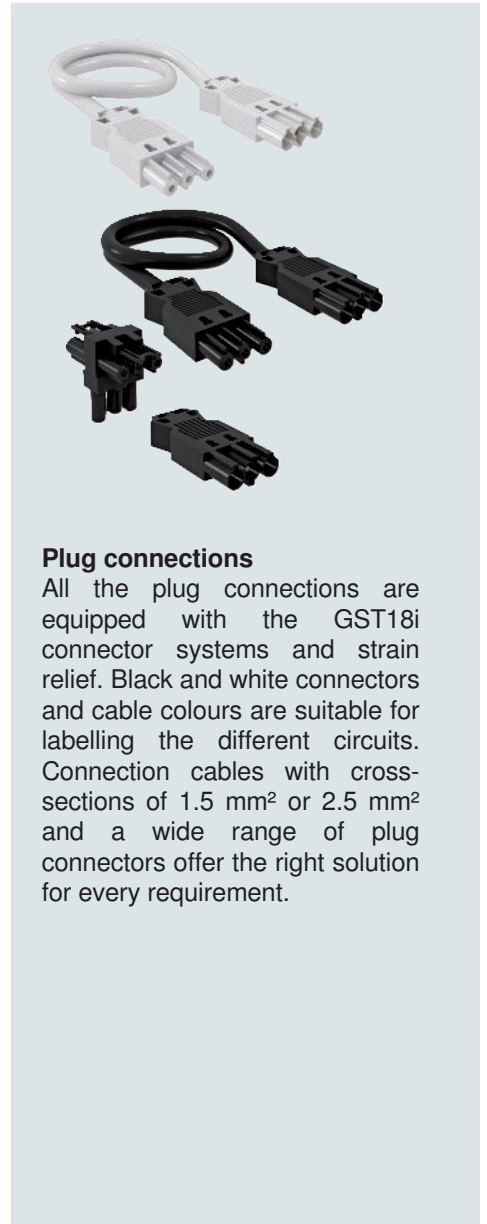
**Encoding connector connection side**

Before mounting the connector section adapter, check that the encoding matches with the socket. Each socket has a connector connection side.



**Encoding socket connection side**

Before mounting the socket section adapter, check that the encoding matches with the socket. Each socket has a socket connection side.



**Plug connections**

All the plug connections are equipped with the GST18i connector systems and strain relief. Black and white connectors and cable colours are suitable for labelling the different circuits. Connection cables with cross-sections of 1.5 mm<sup>2</sup> or 2.5 mm<sup>2</sup> and a wide range of plug connectors offer the right solution for every requirement.



**Cost-aware**

The efficient installation time and simple installation mean that Modul 45connect<sup>®</sup> sockets are a particularly economic solution.

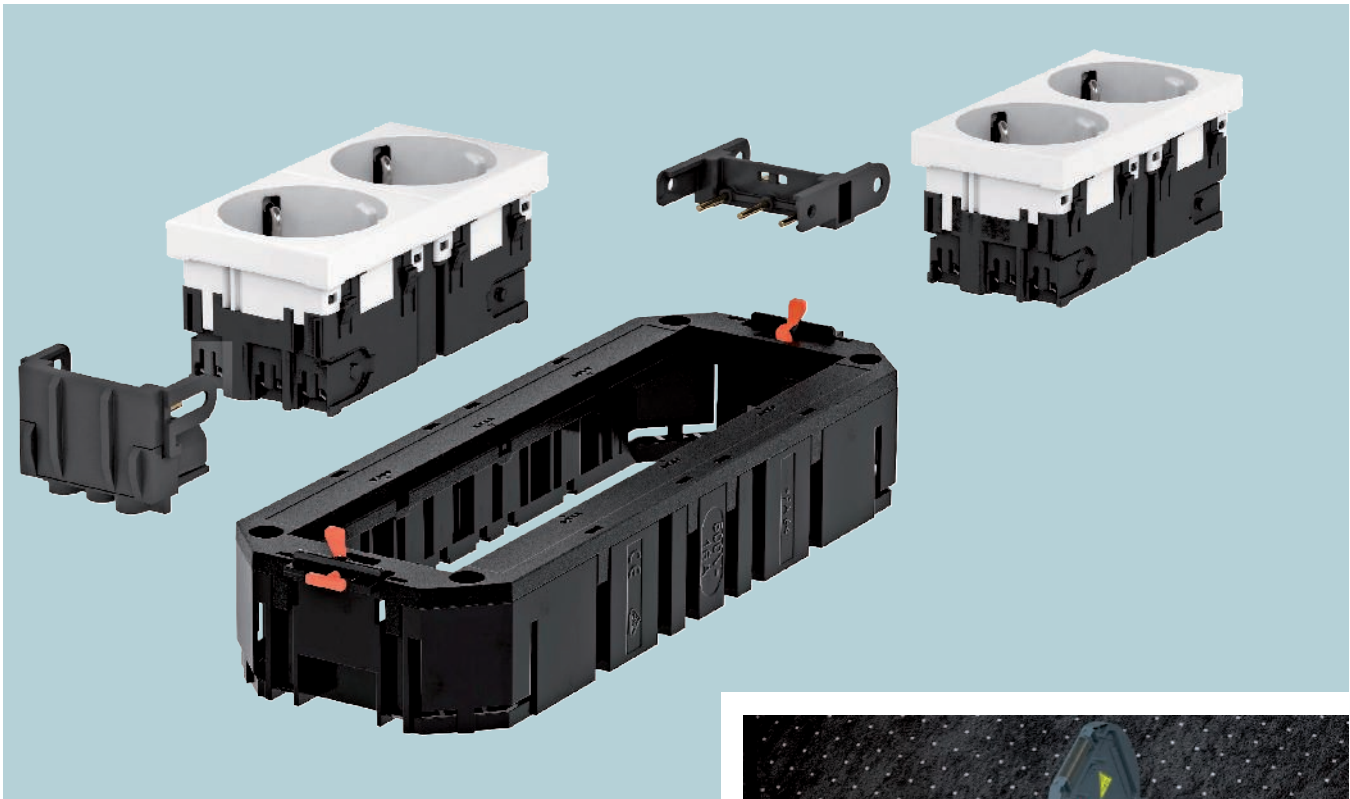


**Connection adapter GST18**

The connection adapter VB-G GST 18 allows the arrangement of sockets in the Rapid 80 trunking system and in ISS service poles.

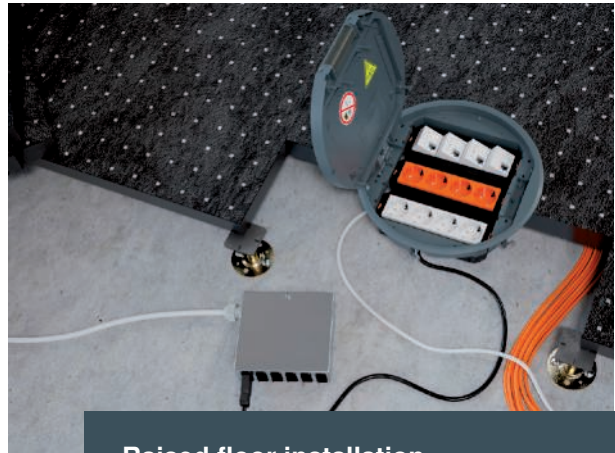
# Modul 45connect®

Plug-in installation solutions for raised and cavity floors



The Modul 45connect for underfloor systems is a continuous, connectable installation technology. This is designed for installation in a system floor. Modul 45connect offers the highest level of flexibility, security and cost efficiency.

The system offers all the required installation components: From energy distribution through to device connection in the floor box.



**Raised floor installation**



Rapid and toolless installation through Modul 45connect®



More safety through pre-terminated and tested systems



Simple post installation and the highest flexibility



Reduction of the fire load



**Cavity floor installation**



# Plug-in device installation solution for raised and cavity floors



## Modul 45connect® Universal supports + sockets



## Modul 45connect® Connection + adapter



## Ready-for-connection socket units



## UPS energy distributors



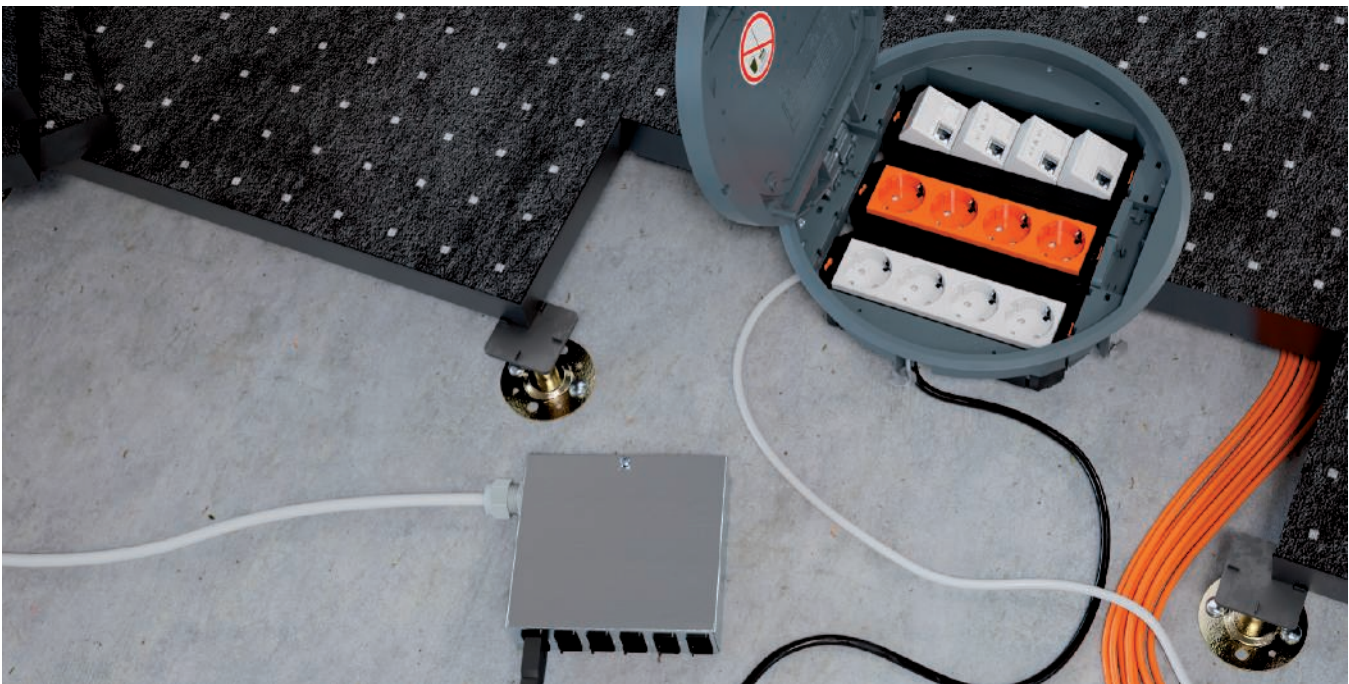
## Installation accessories and connection cables



# Raised floor systems

Raised floor systems offer the highest flexibility in the use and planning of office workspaces. This flexibility can be used to the utmost through the use of plug-in connection solutions.

If there are changes of use, floor plates including the floor box can be adapted to the new room planning with little effort – disconnect the pre-terminated connection cable and connect it to the connection unit in the new position.



## Energy distributors

Energy distributors are used in raised floors with removable floor plates. They are mounted at central points under the floor surfaces and supply the installed floor boxes in a star shape.

## Plug-in connection unit

The ready-for-connection connect UTC universal supports are equipped with connectable connection adapters. The cables are connected directly to the underfloor distributors via connection cables.

## Service outlets

All the service outlets from the standard product range can be used in raised and cavity floors. The GES service outlets are available in round and rectangular versions. Plastic or metal are used as materials. The plastic version is the tried-and-trusted solution for office installations. It is available in three colour variants. The metallic stainless steel or aluminium versions look refined and can carry an even greater load.

Other solutions are available for areas with increased floor load requirements.



# Ready-for-connection universal support connect UTC



The connect UTC universal supports can be ordered as a ready-for-connection unit or freely terminated according to customer requirements.

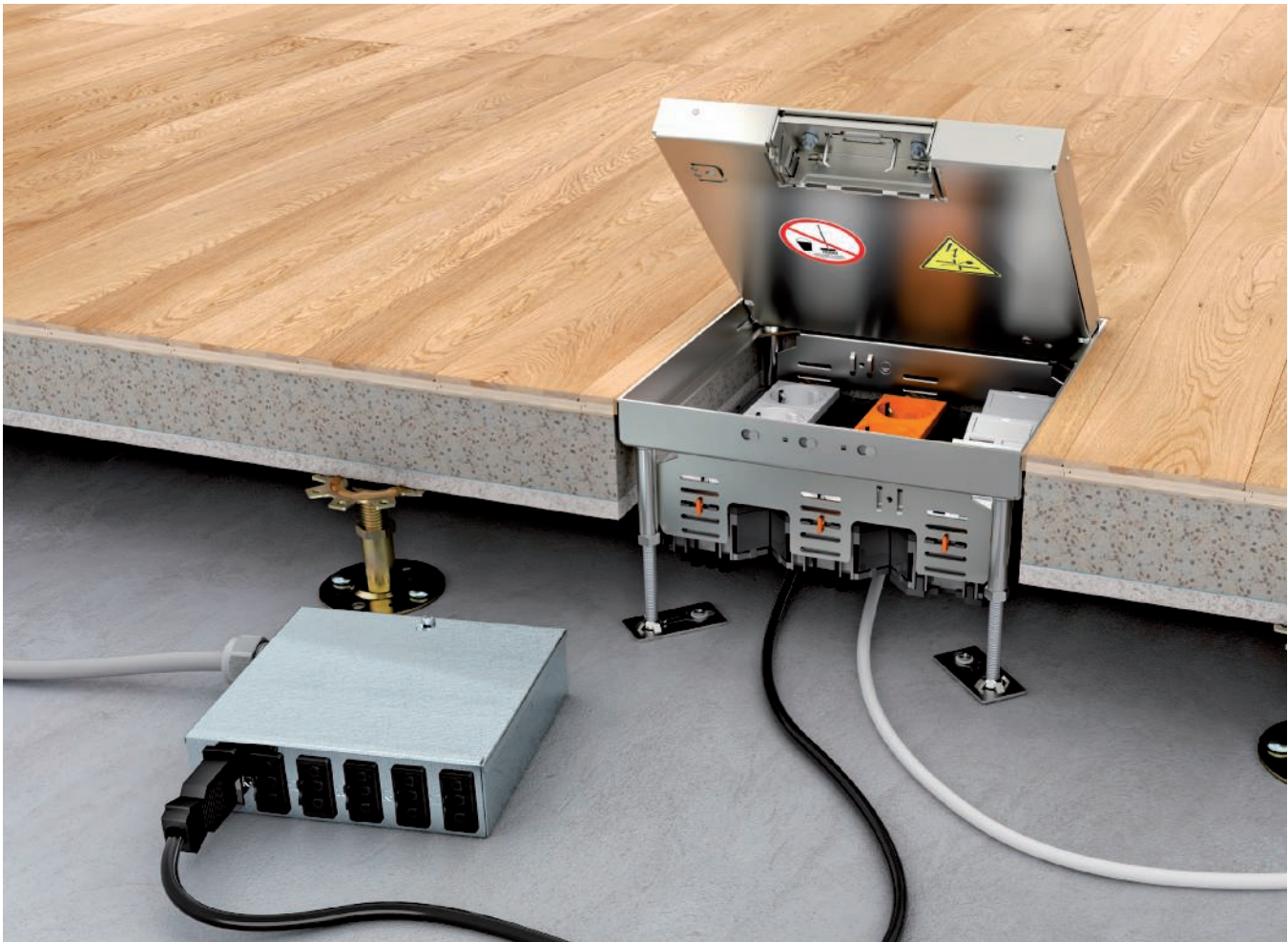
Combinations of up to two circuits are possible for each connection unit – also with surge protection.

## Connection in the floor box

The plug connections on the Modul 45connect® sockets are located below the connection unit. This allows plug connections outside the floor box. The connected universal support is installed in the floor box by lowering it in the locking ladder. Fastening in the floor box is carried out using the turn-buckles in the locking ladder.



# Cavity floors



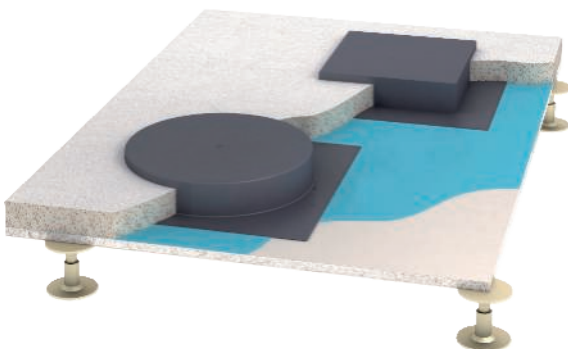
Cavity floors have a support layer of a joint-free, poured screed plate. The installation opening for the installation of floor boxes can be created in two ways in the cavity floor: Either the installation opening is created with a lined body before the screed work, or core drilling takes place after the screed work.

### Cable routing

Beneath the screed plate, supply points for the installed floor boxes are set using energy distributors.

### Cassettes

The compact, flush-floor cassettes offer power, data and multimedia connections in the smallest areas. The cassettes can be adjusted to the height of the floor and are available in round and rectangular designs. There are versions for dry, moist and wet-care floor coverings.



# Installation benefits

## Modul 45connect®



Modul 45connect sockets can be mounted and connected with just a few actions. The GST18 adapters are engaged to the side of the sockets – incorrect installation is not possible due to the coding of the locking connections.

### Connection adapter for 4x socket combination

The connection of Modul 45connect sockets is really easy: A plug connection is created using a connection adapter. There is no need for the otherwise necessary wiring work, considerably reducing the time required for mounting. This means that combinations of two double sockets in the UT4 universal support can be created rapidly.

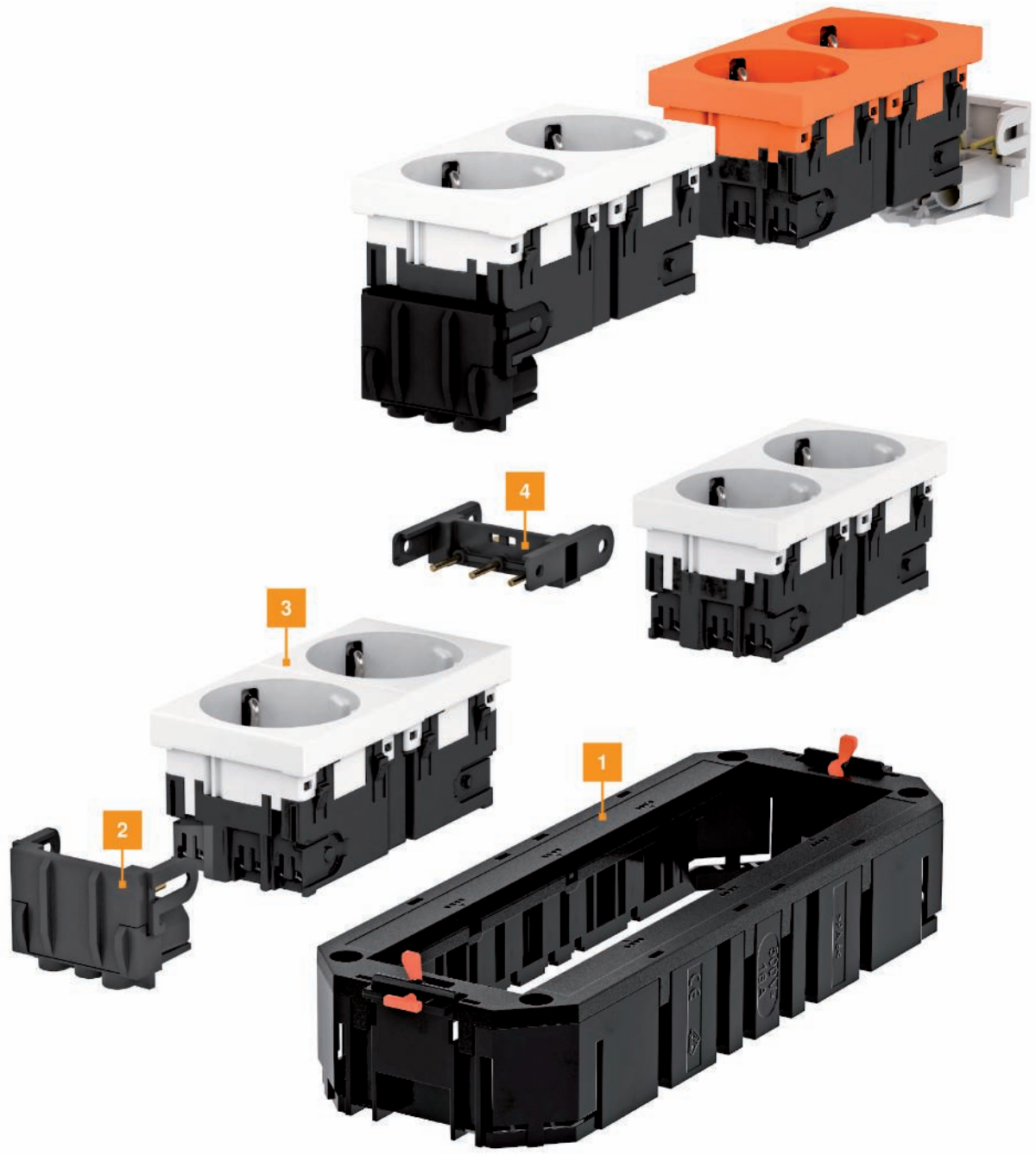
### Connection adapter

An angled connection adapter with integrated strain relief is available especially for use in service outlets and cassettes. The connection adapter is available for the isolation of circuits in two colours (black and white).

### Two circuits

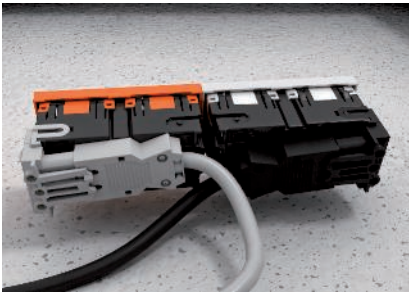
Combinations with two power circuits with triple, double and single sockets in UT universal supports are possible. In addition, the use of surge protection modules is also possible on double and triple sockets.

# Modular structure



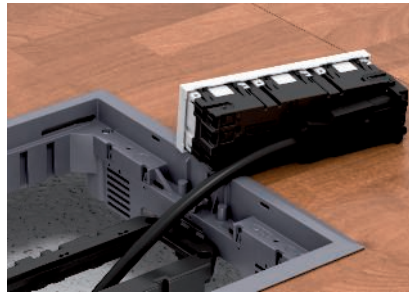
### System components

- 1 Universal supports
- 2 Modul 45connect connector part adapter
- 3 Protective contact socket
- 4 Modul 45connect connector



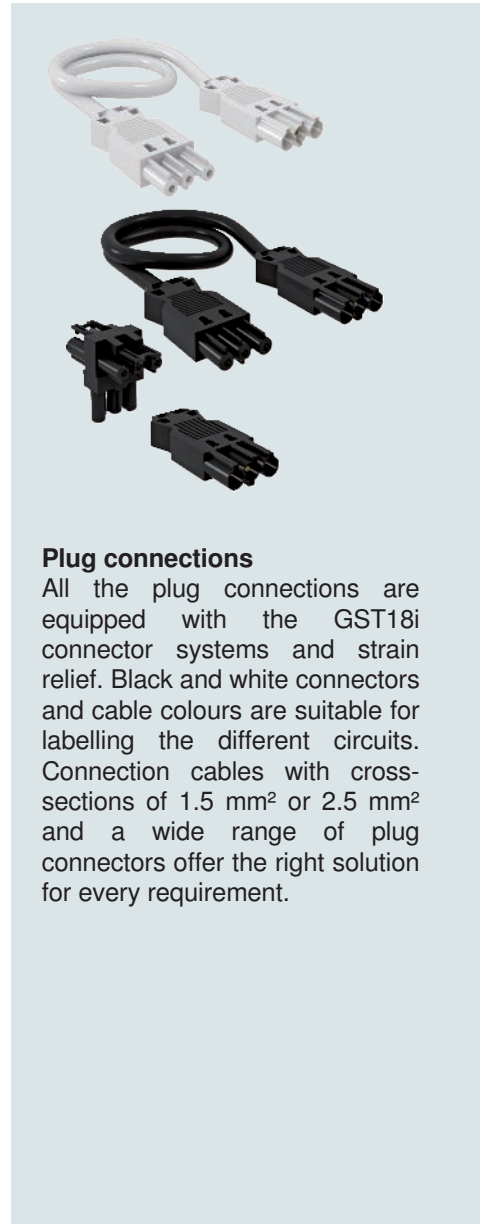
**Safe**

The Modul 45connect system is ideally suited for use in raised floors. Ready-for-connection module supports need only be connected to the heavy current cabling.



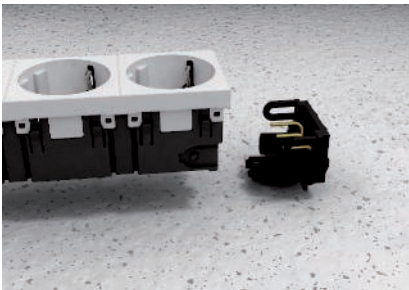
**Cost-aware**

The Modul 45connect system makes lengthy manual cabling work a thing of the past. All the connections can be created simply, quickly and safely using terminated components.



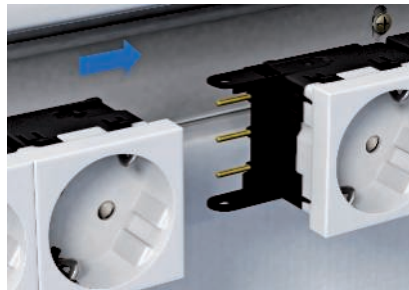
**Plug connections**

All the plug connections are equipped with the GST18i connector systems and strain relief. Black and white connectors and cable colours are suitable for labelling the different circuits. Connection cables with cross-sections of 1.5 mm<sup>2</sup> or 2.5 mm<sup>2</sup> and a wide range of plug connectors offer the right solution for every requirement.



**Connection adapters**

The connection adapters can be connected to the socket outside the universal support. The socket unit with connection adapter is then engaged in the universal support.



**Connection adapter, socket**

Modul 45connect sockets can be connected with a connection adapter. The simple plug connection removes the wiring work.

# Workplace solutions – Deskboxes



**Freely positionable Deskbox DB**

Deskboxes by OBO offer direct access to power, data and multimedia connections for any workplace, such as in offices and meeting and conference rooms. Three different Deskbox solutions in high-quality material and elegant designs are available for individual requirements:

- Freely positionable Deskbox DB
- Lowerable Deskbox DBV
- Foldable Deskbox DBK



**Lowerable Deskbox DBV**



**Foldable Deskbox DBK**



# Very flexible. The DB Deskbox

Very flexible.



The aluminium housings of the DB Deskboxes with silver, anodised surfaces stand out through their compact structure and discreet design.

They offer the right connection solutions for all areas of application: 1–2 circuits, network connections and multimedia connections for TVs and beamers for meeting rooms are available.

Other variants of the Deskboxes are available on request.

## Versatile

The DB Deskboxes allow comfortable and easy access to all connection devices directly at the workplace.

A large selection of pre-equipped and ready-for-connection Deskboxes are available.

The erectable type DB Deskbox offers the highest level of flexibility in positioning and fastening at the workplace.

Fastening clamps allow quick and easy mounting of the Deskboxes to the tabletop, with the benefit being that there is no damage to the tabletop, e.g. from fastening holes or through wood screws.

Additional fastening options for fixed mounting on or under the tabletop are available as accessories.



# The lowerable Deskbox DBV

Gone in a flash.



The lowerable DBV Deskbox offers the largest possible connection solutions in the smallest space.

The DBV is installed in a drill hole in the tabletop. This allows the construction technology to disappear discreetly under the tabletop.

The covers visible in the tabletop are available painted silver or in high-quality stainless steel. Other variants of the Deskboxes are available on request.

## Surfaces

The Deskbox DBV is supplied as standard with the surface in anodised silver. The following variants are available on request:

- Coloured as old brass
- Chrome-plated
- Black anodised

## Cover variants

The standard cover is made of plastic and is painted silver or is solid stainless steel. On request, you can also obtain it in

- Plastic, painted black
- Steel, chrome-plated
- Coloured as old brass

# The foldable Deskbox DBK

A great package.



If necessary, the DBK Deskbox is simply folded up – using the push-to-open function: The connection devices are then easily accessible.

The inserted cables are run out of the closed Deskbox via the integrated brush bars.

They offer the right connection solutions for all areas of application: 1–2 circuits, network connections and multimedia connections for TVs and beamers for meeting rooms are available.

Other variants of the Deskboxes are available on request.



## Device installation widths

The DBK Deskbox is available in four widths. This results in the following device installation widths for equipment:

- 150 mm
- 200 mm
- 250 mm
- 300 mm

## Surface variants

The DBK Deskbox is supplied as standard with the brushed stainless steel surface. The following variants are available on request:

- Painted black
- Pure white lacquered



# Configure an individual Deskbox in 5 steps

Configure a Deskbox according to your requirements. For quantities over 5 units per version, we can produce a tested, ready-for-connection Deskbox according to your specifications.



DB Deskbox

## 1 Select Deskbox design

## 2 Select housing colour

### Standard design

Silver anodised

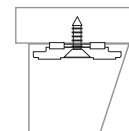
### On request

Powder-coated

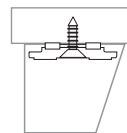
## 3 Fastening



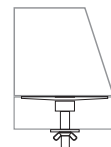
Stainless steel fastening stand



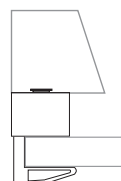
Free erection without fastening



Fastening set for under-table mounting



Fastening set for table mounting



Fastening clamp



DBV Deskbox



DBK Deskbox

**Standard design**

**Body**

- Silver anodised

**Cover**

- Painted silver
- Stainless steel, solid

**Standard design**

- Stainless steel, brushed

**On request**

**Body**

- Black anodised
- Old brass anodised

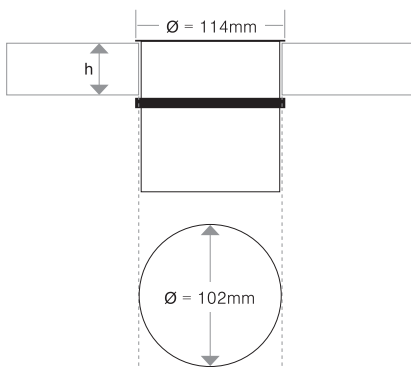
**Cover**

- Painted black RAL 9005
- Painted as old brass
- Painted white RAL 9010

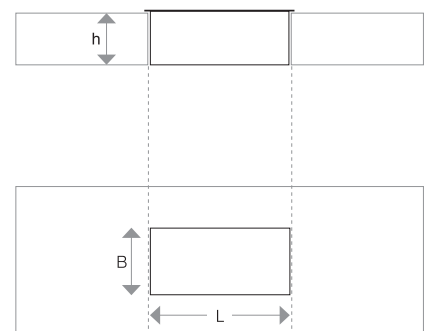
**On request**

- Painted black RAL 9005
- Painted white RAL 9010

**Installation opening in the tabletop**  
(Plate thickness max. 50 mm)



**Installation opening in the tabletop**  
(Plate thickness max. 50 mm)



# Configure an individual Deskbox in 5 steps

## 4 Select the energy technology equipment

### Checklist

#### Select connection solution

- Specify socket type and quantity
- Specify power circuits and additional function

#### Select the connection type

- Protective contact connector
- Wieland GST18 connector
- Wago Winsta connector
- Without connector, with wire end sleeves
- Country-specific connector (on request)

#### Select cable lengths

- 3 m cable with connector (standard)
- 5 m cable with connector
- Special lengths (on request)



Protective contact

Protective contact

Denmark

Denmark, IT



Earthing pin

Earthing pin

Switzerland 10 A

USA/Canada

## 5 Select the data/multimedia technology equipment

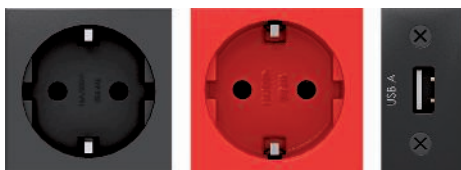
### Checklist

#### Select connection solution

- Specify connection type and quantity

#### Select connection type

- Short cable with socket
- 3 m cable with connector
- 5 m cable with connector (on request)



Protective contact

Protective contact

USB charging device



RJ45 coupling Cat. 6

RJ45 coupling Cat. 6



China



Australia



One-way switch



Switzerland 10 A



Australia



British Standard, with fuse



British Standard



Wieland GST18



USB charging device



Switch



LS switch



FI switch



DVI



VGA



VGA + Cinch 3.5 mm



Cinch 3.5 mm



USB 2.0/3.0



HDMI



RJ45 coupling Cat. 6



RJ45 coupling Cat. 6A



RJ45 socket Cat. 6



RJ45 socket Cat. 6A



RJ45 Socket Cat. 7



# Plastic materials

ABS/ AVA	Acrylonitrile butadiene styrene
Temperature resistance:	To about minus 40 °C*, permanently up to 70 °C, briefly up to 85 °C
Resistant to:	Formic acid, citric acid, lactic acid
Unstable with:	Acetone, petrol, benzene, solvents for paints and butyric acid, chlorine, acetic acid, nitric acid.
Conditionally resistant to:	Hydrochloric acid, sulphuric acid.
Risk of stress cracks:	Relatively high, similar to polystyrene.

PA	Polyamide
Temperature resistance:	Permanently up to approx. 90 °C, briefly up to around 130 °C, and to around minus 40 °C*
Resistant to:	Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases
Unstable with:	Bleach, most acids, chlorine.
Risk of stress cracks:	Low in humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PA/ GF	Polyamide, fibreglass reinforced
Temperature resistance:	Permanently up to approx. 100–110 °C, briefly up to around 160 °C, and to around minus 40 °C*
Resistant to:	Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases. Slightly susceptible to stress cracking.
Unstable with:	Bleach, most acids, chlorine.
Risk of stress cracks:	Low in humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PBPT	Polybutylene terephthalate
Temperature resistance:	Permanently up to approx. 120 °C, briefly up to around 140 °C and to around minus 40 °C*.
Resistant to:	Petrol, diesel oil, most weak acids, oils and greases.
Unstable with:	Strong acids, chlorine, fluorine, bromine vapour, bleach, trichloroethylene, methylene chloride.
Conditionally resistant to:	Acetone, ammonia, benzene.

PE	Polyethylene
Temperature resistance:	Hard types permanently up to approx. 90 °C, briefly up to approx. 105 °C, soft types permanently up to approx. 80 °C, briefly up to approx. 100 °C and to approx. minus 40 °C*.
Resistant to:	Alkalis and inorganic acids.
Unstable with:	Chlorine, hydrocarbons, oxidising acids.
Conditionally resistant to:	Acetone, organic acids, petrol, benzene, diesel oil, most oils.
Risk of stress cracks:	Stress cracks can be caused by, among other things, acetone, various alcohols, formic acid, ethanol, petrol, benzene, butyric acid, acetic acid, formaldehyde, various oils, petroleum, propanol, nitric acid, hydrochloric acid, sulphuric acid, soap solutions, turpentine, trichloroethylene, citric acid.

PP/ GF	Polypropylene, fibreglass reinforced
Temperature resistance:	Permanently up to approx. 90 °C, briefly up to around 110 °C, and to around minus 30 °C. Chem. resistance generally as for polyethylene
Resistant to:	Alkalis and inorganic structures
Unstable with:	Chlorine, hydrocarbons, oxidising acids.
Risk of stress cracks:	Low, only with some acids such as chromic acid, hydrofluoric acid and hydrochloric acid, as well as nitrogen oxide.





# Plastic materials

ABS/ AVA	Acrylonitrile butadiene styrene
<b>Temperature resistance:</b>	To about minus 40 °C*, permanently up to 70 °C, briefly up to 85 °C
<b>Resistant to:</b>	Formic acid, citric acid, lactic acid
<b>Unstable with:</b>	Acetone, petrol, benzene, solvents for paints and butyric acid, chlorine, acetic acid, nitric acid.
<b>Conditionally resistant to:</b>	Hydrochloric acid, sulphuric acid.
<b>Risk of stress cracks:</b>	Relatively high, similar to polystyrene.

PA	Polyamide
<b>Temperature resistance:</b>	Permanently up to approx. 90 °C, briefly up to around 130 °C, and to around minus 40 °C*
<b>Resistant to:</b>	Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases
<b>Unstable with:</b>	Bleach, most acids, chlorine.
<b>Risk of stress cracks:</b>	Low in humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PA/ GF	Polyamide, fibreglass reinforced
<b>Temperature resistance:</b>	Permanently up to approx. 100–110 °C, briefly up to around 160 °C, and to around minus 40 °C*
<b>Resistant to:</b>	Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases. Slightly susceptible to stress cracking.
<b>Unstable with:</b>	Bleach, most acids, chlorine.
<b>Risk of stress cracks:</b>	Low in humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PBPT	Polybutylene terephthalate
<b>Temperature resistance:</b>	Permanently up to approx. 120 °C, briefly up to around 140 °C and to around minus 40 °C*.
<b>Resistant to:</b>	Petrol, diesel oil, most weak acids, oils and greases.
<b>Unstable with:</b>	Strong acids, chlorine, fluorine, bromine vapour, bleach, trichloroethylene, methylene chloride.
<b>Conditionally resistant to:</b>	Acetone, ammonia, benzene.

PE	Polyethylene
<b>Temperature resistance:</b>	Hard types permanently up to approx. 90 °C, briefly up to approx. 105 °C, soft types permanently up to approx. 80 °C, briefly up to approx. 100 °C and to approx. minus 40 °C*.
<b>Resistant to:</b>	Alkalis and inorganic acids.
<b>Unstable with:</b>	Chlorine, hydrocarbons, oxidising acids.
<b>Conditionally resistant to:</b>	Acetone, organic acids, petrol, benzene, diesel oil, most oils.
<b>Risk of stress cracks:</b>	Stress cracks can be caused by, among other things, acetone, various alcohols, formic acid, ethanol, petrol, benzene, butyric acid, acetic acid, formaldehyde, various oils, petroleum, propanol, nitric acid, hydrochloric acid, sulphuric acid, soap solutions, turpentine, trichloroethylene, citric acid.

PP/ GF	Polypropylene, fibreglass reinforced
<b>Temperature resistance:</b>	Permanently up to approx. 90 °C, briefly up to around 110 °C, and to around minus 30 °C. Chem. resistance generally as for polyethylene
<b>Resistant to:</b>	Alkalis and inorganic structures
<b>Unstable with:</b>	Chlorine, hydrocarbons, oxidising acids.
<b>Risk of stress cracks:</b>	Low, only with some acids such as chromic acid, hydrofluoric acid and hydrochloric acid, as well as nitrogen oxide.

<b>PC</b>	<b>Polycarbonate</b>
<b>Temperature resistance:</b>	Permanently up to approx. 110 °C (in water 60 °C), briefly up to 125 °C, and to below minus 35 °C*
<b>Resistant to:</b>	Petrol, turpentine, most weak acids.
<b>Unstable with:</b>	Acetone, benzene, chlorine, methylene chloride, most concentrated acids.
<b>Risk of stress cracks:</b>	Relatively low, media which can cause tension cracking include petrol, aromatic hydrocarbons, methanol, butanol, acetone, turpentine.
<b>PC/ ABS</b>	<b>Polycarbonate/acrylonitrile butadiene styrene</b>
<b>Temperature resistance:</b>	–30 °C to + 90 °C, briefly up to approx. 105 °C, melting range at approx. 200 °C, thermal decomposition at 300 °C. Material thicknesses of 1.5 mm or more can achieve UL94 V-0. At material thicknesses of 1 mm or more, the glow wire temperature of 960 °C according to IEC 60695-2-12 is achieved.
<b>Resistant to:</b>	Mineral acids, organic acids and aqueous salt solutions
<b>Conditionally resistant to:</b>	Alkalis, hydrocarbons, aromatics and (in trace form) a series of greases and oils.
<b>POM</b>	<b>Polyacetal</b>
<b>Temperature resistance:</b>	Permanently up to approx. 100 °C, briefly up to around 130 °C and to around minus 40 °C*
<b>Resistant to:</b>	Acetone, ether, petrol, weak acetic acid, benzene, heating oil, oils and greases, toluene.
<b>Unstable with:</b>	Methylene chloride, trichloroethylene, hydrochloric acid, nitric acid, sulphuric acid.
<b>Risk of stress cracks:</b>	Low
<b>PP</b>	<b>Polypropylene</b>
<b>Temperature resistance:</b>	Permanently up to approx. 90 °C, briefly up to around 110 °C, and to around minus 30 °C. Chemical resistance generally as for polyethylene.
<b>Resistant to:</b>	Alkalis and inorganic acids.
<b>Unstable with:</b>	Chlorine, hydrocarbons, oxidising acids.
<b>Conditionally resistant to:</b>	Acetone, organic acids, petrol, benzene, diesel oil, most oils.
<b>Risk of stress cracks:</b>	Low, only with some acids such as chromic acid, hydrofluoric acid and hydrochloric acid, as well as nitrogen oxide.
<b>PS</b>	<b>Polystyrene</b>
<b>Temperature resistance:</b>	Because of its relatively high sensitivity to the effects of chemicals, its use is not recommended at temperatures above normal room temperature, about 25 °C. Resistance to cold: to about minus 40 °C*.
<b>Resistant to:</b>	Alkalis, most acids, alcohol.
<b>Unstable with:</b>	Butyric acid, concentrated nitric acid, concentrated acetic acid, acetone, ether, petrol and benzene, solvents for paints and lacquers, chlorine, diesel fuel.
<b>Conditionally resistant to:</b>	Oils and greases.
<b>Risk of stress cracks:</b>	Relatively high. Stress cracks can be caused by, among other things, acetone, ether, petrol, cyclohexane, heptane, methanol, propanol and the softeners of some mixes used in PVC cables.



PVC	Polyvinyl chloride
<b>Temperature resistance:</b>	Permanently up to approx. 65 °C, briefly up to around 75 °C and to around minus 30 °C.
<b>Resistant to:</b>	Weak acids, alkalis, oils and greases, petrol
<b>Unstable with:</b>	Strong acids, benzene, acetone, iodine, toluene, trichloroethylene.
<b>Risk of stress cracks:</b>	Low, only with some solvents such as benzene and acetone.
<b>Material designation according to DIN 7748:</b>	PVC-U-E-D-080-04-28
<b>Tensile strength to DIN 53 455:</b>	Min. 40 N/mm <sup>2</sup>
<b>Elongation at tear according to DIN 53 455:</b>	Min. 65%
<b>Impact resistance according to DIN 53 481:</b>	Min. 20 KV/mm
<b>Surface resistance according to DIN 5 3 482:</b>	Min. 10 10
<b>Thermoforming resistance according to DIN 53 460/B:</b>	Min. 75 °C
<b>Flammability according to UL 94:</b>	Level V0
<b>Fire behaviour according to EN 13501-1</b>	B-s3, d0

The minus values apply only for parts in the idle condition with no severe impact stress. There is no plastic that is resistant to every chemical. The agents listed are only a small selection. Plastic parts are especially at risk in the presence of chemicals and high temperatures. Stress cracks may occur. If in doubt, please consult us and/or ask for a detailed chemical resistance table. Stress crack formation: Stress cracks may occur if plastic parts under

tension are exposed to chemicals at the same time. Parts made of polystyrene and polyethylene are particularly susceptible. Stress cracks may even be caused by agents to which the plastic in question is resistant in the absence of stress. Typical examples of parts under constant stress when used as intended: grip clips, intermediate connectors of cable glands, ribbon clips.

# Chemical resistance of hard PVC

A = very good resistance  
B = average resistance  
C = not resistant

Medium	Temp. °C	Resistance
1,3-benzole disulphonic acid	20	A
1,3-butadiene	20	A
2,4-chlorobenzoyl chloride	20	A
2-amino-2,2-diphenylacetic acid	20	A
4-chlorine-2-nitroaniline	20	C
4-chlorobenzaldehyde-2-sulphonic acid	20	A
5-amino-2-hydroxybenzoic acid	20	A
Abietic acid	20	A
Acetaldehyde 100%	20	C
Acetaldehyde 40%	20	A
Acetaldehyde 40%	40	B
Acetaldehyde, acetic acid ratio 90:10	20	B
Acetanilide 100%	20	A
Acetates (ammonium-, Na- and others)	50	A
Acetic acid 10%	60	A
Acetic acid 100%	20	A
Acetic acid 100%	60	B
Acetic acid 25%	40	A
Acetic acid 25-70%	40	A
Acetic anhydride	20	C
Acetone	20	C
Acetophenone (methyl phenyl ketone)	20	C
Acetylacetone (2,4-pentanedione)	20	C
Acetylene 100%	20	B
Acetylsalicylic acid	20	A
Adipic acid	20	A
Adipic acid	60	B
Alcoholic drinks	< 40	A
Alizarin 100%	20	A
Alkanoic sulphonic acids	50	A
Allyl alcohol 100%	20	B
Allyl alcohol 100%	60	C
Allyl chloride	20	C
Aminobenzene (p-)	20	A
Aminobenzenesulphonic acid (m-, o-, p-)	20	A
Aminosalicic acid (p-)	20	A
Ammonia (vapours of all concentrations)	40	A
Ammonia (vapours of all concentrations)	60	B
Ammonia, anhydrous, liquid	< 60	B
Ammonium hydroxide	60	A
Aniline 100%	20	A
Aniline chloride, saturated solution	20	C
Apple juice	60	A
Ascorbic acid	20	A
Aspartic acid	20	A
Beer	60	A
Benzine, containing benzole	20	C
Benzine, free from aromatic hydrocarbons	60	A
Benzoic acid	40	A
Benzoic anhydride	30	A
Benzole	20	C
Benzophenone 100%	20	C
Benzosulphonic acid	60	A
Benzotrithloride	20	C
Benzotrifluoride	20	C
Benzoylbenzoic acid	20	A
Benzyl chloride	20	C
Betene	20	A
Bleaching liquor, 12% active chlorine	40	A
Bleaching liquor, 12% active chlorine	60	B
Blood	40	A
Boiled oil	60	C
Borates (NA-)	20	A
Borax	40	A
Boric acid	20	A
Brewer's wort	20	A
Brine	60	A
Bromates (K-, Na-)	40	A
Bromic acid	20	A
Bromides (K-, Na- and others)	60	A
Bromine water	20	A
Bromine, gaseous, dry	20	A
Bromine, liquid	20	C
Bromobenzene	20	C
Bromochloromethane	20	C
Bromochloropropane	20	C
Bromoform 100%	20	C
Butane, gaseous, 30%	20	A
Butanediol over 60%	40	B
Butanediol over 60%	20	C
Butanediol to 10%	20	A
Butanol	60	A
Buttermilk	20	A

A = very good resistance  
B = average resistance  
C = not resistant

Medium	Temp. °C	Resistance
Butyl acetate	20	C
Butyl butyrate	20	C
Butyl chloride	20	C
Butyl glycolate	20	C
Butyl phenols	20	C
Butyric acid 100%	20	C
Butyric acid 20%	20	A
Butyric acid 20%	60	C
Carbon dioxide	60	A
Carbon disulphide 100%	20	B
Carbon monoxide	60	A
Castor oil	60	A
Chlorates (K-, Na- and others)	20	A
Chlorates (K-, Na- and others)	60	B
Chlorates (K-, Na- and others)	60	A
Chloric acid to 20%	40	A
Chloric acid to 20%	60	B
Chlorides (ammonium-, Na- and others)	20	A
Chlorine cyanide	20	A
Chlorine water (saturated solution)	20	B
Chlorine, gaseous, dry 0.5%	20	A
Chlorine, gaseous, dry 100%	20	B
Chlorine, gaseous, moist 5%	20	B
Chlorine, liquid	20	C
Chloro nitrobenzoic acid	20	A
Chloroacetaldehyde	20	C
Chloroacetic acid	20	A
Chloroacetones	20	C
Chloroacetyl chloride	20	C
Chloroaniline	20	C
Chlorobenzaldehyde	20	C
Chlorobenzene	20	C
Chlorobenzotrifluoride	20	C
Chlorobenzoyl chloride	20	C
Chlorocresole	20	C
Chloroethylbenzene	20	C
Chloroform	20	C
Chloronaphthalene	20	C
Chromates (K-, Na- to 50%)	50	A
Chrome alum	60	A
Chromic acid	30	A
Chromic acid to 50%	40	A
Citrates (ammonium-, Na)	20	A
Citric acid	20	A
Citric acid	60	B
Cresol	20	C
Cumene	20	C
Cyanamide	20	A
Cyanides (K-, Na- to 50%)	60	A
Cyanoacetic acid	20	C
Cyclohexanol	20	C
Cyclohexanone	20	C
Developer	40	A
Dextrose	50	A
Dibromomethylene	20	C
Dibutyl oxalate	20	C
Dibutyl phthalate	20	C
Dichloroethylene	20	C
Dichloropropylene	20	C
Dichromates (K-, Na-)	50	C
Diethyl ether	20	C
Diethylamine 100%	20	C
Diethylene glycol	60	C
Dimethyl ether	20	C
Di-n-butyl ether	20	C
Diotyl phthalate	20	C
Dioxan	20	C
Diphenyl	20	C
Diphenylamine	20	C
Ethane	20	A
Ethanol	40	A
Ethanolamine	20	B
Ethyl acetate	20	C
Ethyl acrylate	20	C
Ethyl chloride	20	C
Ethylbenzene	20	C
Ethylene glycol	20	A
Fish oil	20	A
Fixing bath	60	A
Fluorides (ammonium-, K-, Na- and others)	60	A
Fluorine	20	B
Fluorine	60	C
Formaldehyde	60	A
Formamide 100%	20	C



# Chemical resistance of hard PVC

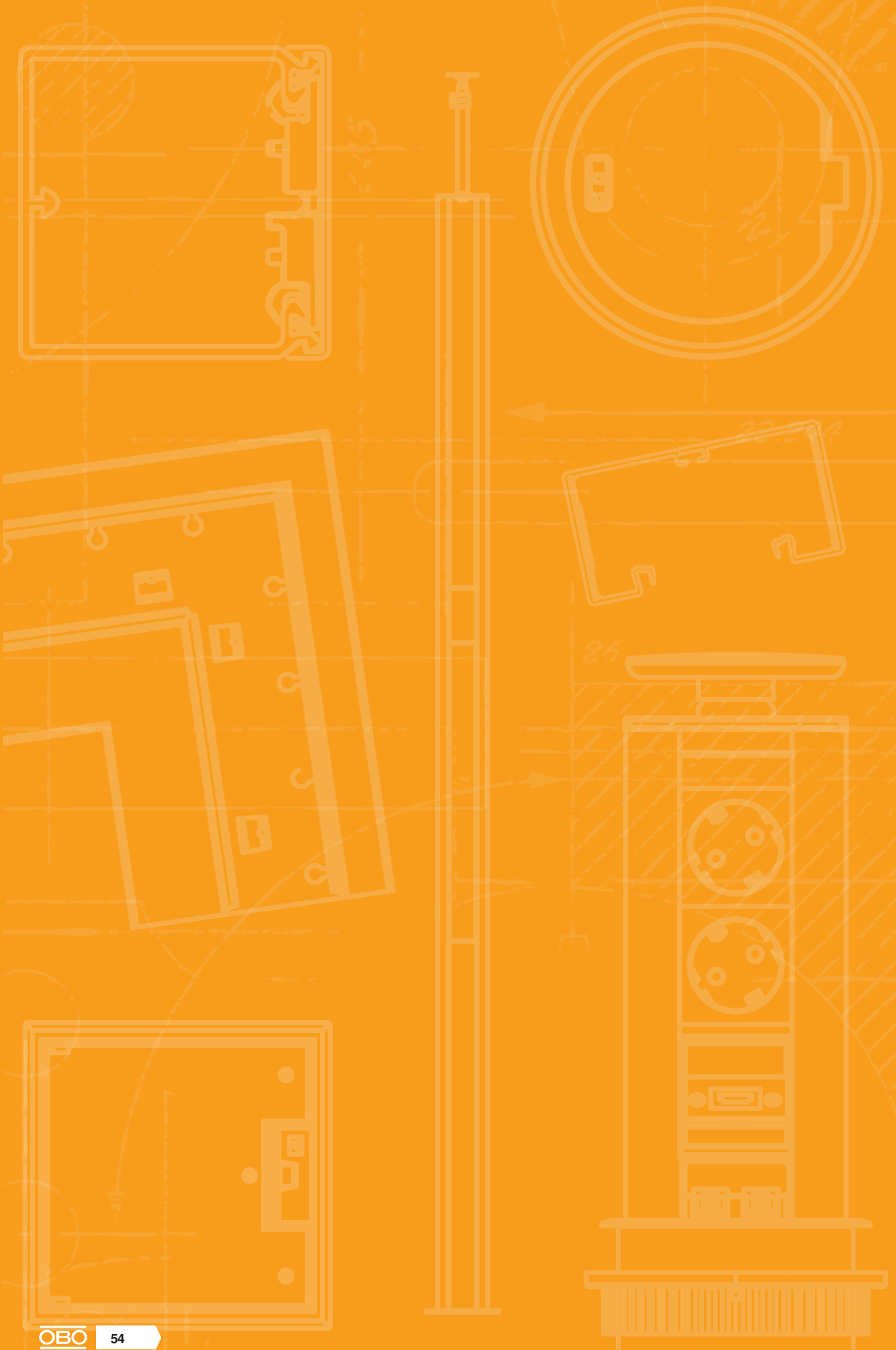
A = very good resistance  
B = average resistance  
C = not resistant

Medium	Temp. °C	Resistance
Formates (ammonium- and others)	20	A
Formic acid 100%	20	B
Formic acid 100%	60	C
Formic acid 50%	40	A
Furfural	20	C
Furfuryl alcohol	20	C
Gelatine	60	A
Gluconic acid	20	A
Glucose	60	A
Glutamic acid	20	A
Glycerine	60	A
Glycine	40	A
Glycol	60	A
Heptanes	20	A
Hexachloroethane	20	C
Hexacyanoferrates-II (Na-)	40	A
Hexacyanoferrates-III (K-)	40	A
Hexafluorosilicates (ammonium-, K- and others)	60	A
Hexafluorosilicic acid 32%	60	A
Hexamethylenetetramine (urotropine) 40% aqueous solution	60	A
Humic acids	20	A
Hydrazine, diluted solution 100%	20	C
Hydrazine, diluted solution 30%	20	A
Hydrobromic acid to 40%	60	A
Hydrochloric acid to 30%	20	A
Hydrochloric acid to 30%	60	B
Hydrochloric acid to 37%	20	A
Hydrochloric acid to 37%	40	B
Hydrofluoric acid to 40%	40	A
Hydrofluoric acid to 60%	60	B
Hydrogen bromide 100%	20	A
Hydrogen bromide 100%	60	B
Hydrogen chloride (gaseous, dry and moist)	40	A
Hydrogen cyanide	40	A
Hydrogen peroxide to 30%	60	A
Hydrogen peroxide to 90%	20	A
Hydrogen sulphide	60	A
Hydroxides (alkaline-earth metal)	60	A
Hydroxides (K-, Na-)	60	A
Hypochlorites (K-, Na- and others)	60	A
Hypochlorous acid	60	A
Illuminating gas	20	A
Iodates (K-, Na- and others)	60	A
Iodides (K-, Na-)	60	A
Iodine	20	C
Isobutyl phosphate	20	C
Lactic acid 10%	20	A
Lactic acid 10%	60	C
Lactic acid 100%	20	C
Lard	20	A
Linoleic acid	60	A
Linseed oil	60	A
Malic acid	20	A
Methanol 100%	40	A
Methanol 100%	60	B
Methyl bromide	20	C
Methyl chloride	20	C
Methyl methacrylate	20	C
Methylamine	20	B
Methylene dichloride	20	C
Milk	20	A
Mineral oils	60	C
N,N-diethyl aniline	20	C
Naphthalene	20	C
Nitrates (ammonium-, K-, Na- and others)	60	A
Nitric acid 25%	20	A
Nitric acid 25%	60	B
Nitric acid 50%	20	A
Nitric acid 50%	50	B
Nitric acid 95%	20	C
Nitrites (K-, Na- and others)	60	A
Nitrobenzene	20	C
Nitrogen oxide	20	C
Nitroglycerine	20	B
Nitrous acid to 50%	50	A
Nitrous acid to 98%	20	C
Oleic acid	60	A
Oxalates (ammonium-, K-, Na- and others)	60	A
Oxalic acid	40	A
Oxygen	60	A
Ozone 10%	30	A






A = very good resistance  
B = average resistance  
C = not resistant

Medium	Temp. °C	Resistance
Ozone 10%	60	B
Palmitic acid	20	A
Paraffin	40	A
Pentyl acetate	20	C
Pentyl alcohol	60	A
Pentyl chloride	20	C
Pentyl laurate	20	C
Perbonate (K-)	60	A
Perchlorate	40	A
Perchloric acid 70%	20	A
Permanganate (K-) 6 to 15%	40	A
Permanganate (K-) 6 to 15%	60	B
Permanganate (K-) to 6%	60	A
Peroxymonosulphuric acid (Caro's acid)	20	A
Persulphate (Ammonium-, K-, Na- and others)	40	A
Petroleum	60	A
Phenol 1%	20	A
Phenol 90%	45	B
Phenylhydrazine	20	C
Phenylhydrazine chloride	20	B
Phenylhydrazine chloride	60	C
Phosgene, gaseous	20	A
Phosgene, gaseous	60	B
Phosgene, liquid	20	C
Phosphates (ammonium-, K-, Na- and others)	60	A
Phosphoric acid	40	A
Phosphoric acid	60	B
Phosphorus pentoxide	20	A
Propane	20	A
Propanol	60	A
Pyridine	20	A
Rhodanides (ammonium-, K-, Na- and others)	60	A
Salicylic acid	20	A
Silicates (K-)	20	A
Soap solution	40	A
Stearic acid	60	A
Sulphates (ammonium-, K-, Na- and others)	60	A
Sulphites (ammonium-, K-, Na- and others)	60	A
Sulphur dioxide, gaseous, dry and moist 100%	60	A
Sulphuric acid to 40%	20	C
Sulphuric acid to 50%	50	A
Sulphuric acid to 50%	60	A
Sulphuric acid to 80%	40	C
Sulphuric acid to 80%	60	B
Sulphuric acid to 96%	20	A
Sulphuric acid to 96%	60	B
Sulphuric acid, fuming (10% oleum)	20	C
Sulphurous acid	60	A
Tallow	60	A
Tan bark	20	A
Tar, free from aromatic hydrocarbons	20	A
Tartaric acid	60	A
Tetraethyl lead	60	A
Tetrafluoroboric acid	20	A
Tetrahydrofuran	20	C
Thickness	60	A
Toluene	20	A
Transformer oil	60	A
Trichloroethylene	20	C
Turpentine	20	A
Urea	60	C
Vegetable oils	40	A
Vinyl acetate	20	C
Viscose spinning solutions	60	A
Water	40	A
Water	60	B
Wine	40	A
Wine vinegar	50	A
Wood tar	20	C
Xylenes	20	C





# Power supply units

	VH – prewired power supply units IP20	56
	VH – empty housing and installation accessories IP20, pure white	60
	Accessories IP 20 VH4/VH8	62
	Accessories IP 20 and IP 44	64
	VHF – empty housing and installation accessories IP 44	66



## HoverCube VH/VHF

Suspended energy distributor for workplaces and machinery in industry, the trades and in training areas. The HoverCubes can be placed freely in the room. They are supplied from the ceiling. Depending on the protection rating, they can be equipped flexibly to supply power, data and media technology through to work media such as compressed air.



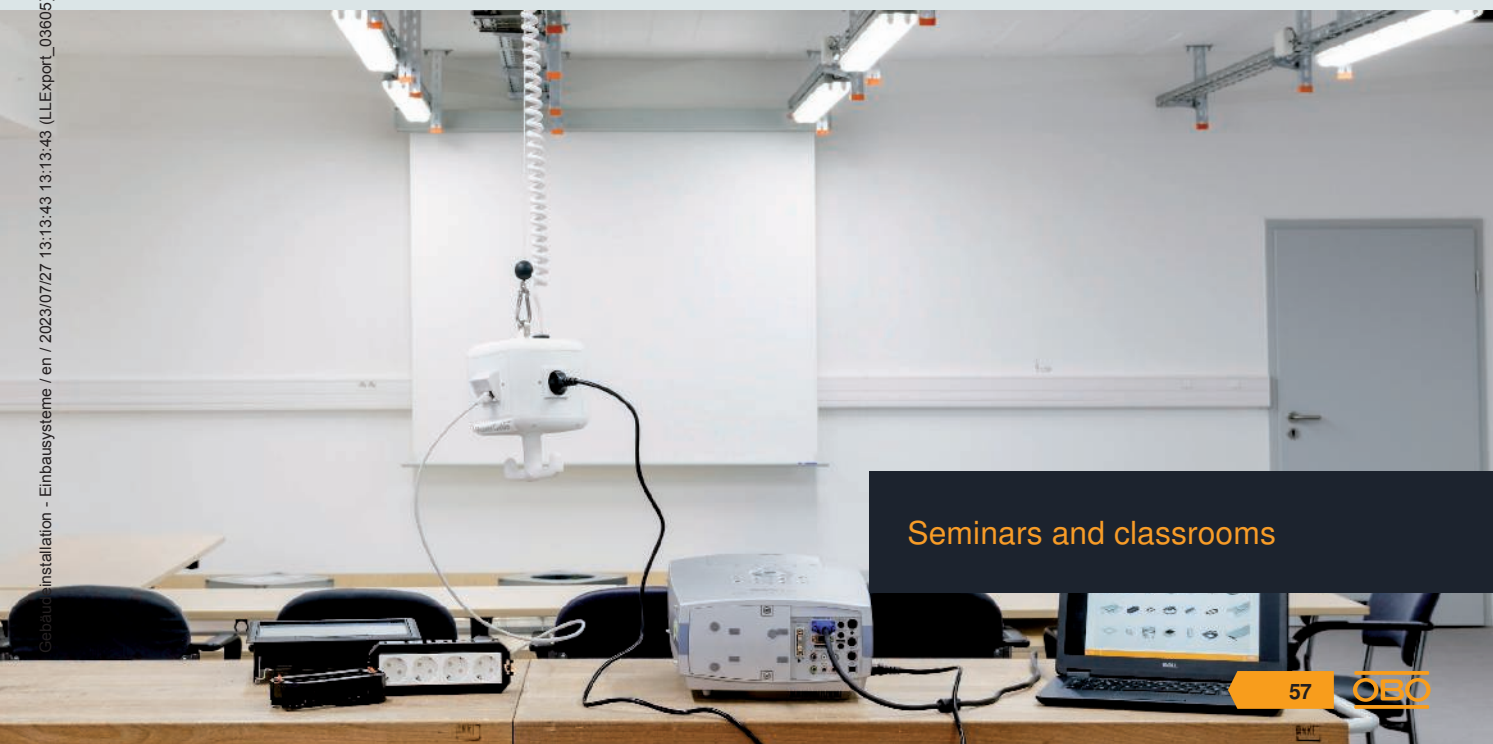




Workshops and work areas



Industrial and assembly workplaces

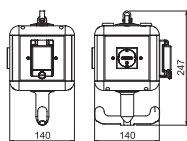


Seminars and classrooms



## HoverCube VH-4, with FI/LS, 2x protective contact sockets

PA



Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VH-4 2SD FILS	Graphite black	1	98.000	6109780
VH-4 2SF FILS	Graphite black	1	97.900	6109782

In the case of an overcurrent/error current (16 A/30 mA), the VH-4 HoverCube with decentralised protection triggers the FI/LS directly. Switching back on can take place directly on the power supply unit.

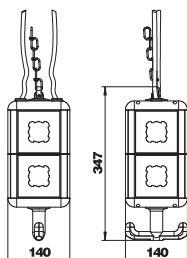
Equipped as follows: 2x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, with partition for circuit separation and an FI/LS switch.

One unequipped side with a free panel for individual, construction-side equipment (e.g. blanking plate, cover plate for devices/Modul 45 devices).

## VH – empty housing and installation accessories IP20

### HoverCube VH-8, empty housing, with cover plates

PA

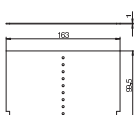
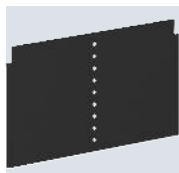


Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VH-8 LG8P2	Graphite black	1	123.400	6109820

Empty housing with suspension lug and grip hook, for the installation of eight electrical resources, with included partition. With eight cover plates for accessories with concealed support ring or support bracket.

### Partition VH-4

PVC



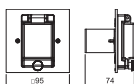
Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VH-4 TW	Graphite black	1	2.350	6109832

Additional partition wall for reciprocal insulation of three different power circuits and types. Version for VH-4.

## Accessories IP 20

### Mounting set VH4

PA



Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VH MS FILS	Yellow	1	10.500	6109788

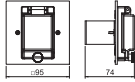
Mounting kit for the installation of series-mounted devices up to 2 part units, e.g. of an FI/LS switch in the freely terminable HoverCube VH4/VH8.

Mounting of the FI/LS switch is possible at a later time, irrespective of the system.



### Mounting set VH4

PA



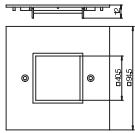
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH MS FILS RW	Pure white	1	10.500	6109789

Mounting kit for the installation of series-mounted devices up to 2 part units, e.g. of an FI/LS switch in the freely terminable HoverCube VH4/VH8.

Mounting of the FI/LS switch is possible at a later time, irrespective of the system.

### VH cover plate, for Modul 45 devices, single

PA

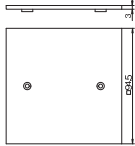


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P4 RW	Pure white	1	2.009	6109841

Cover plate to install a single Modul 45 socket.

### VH cover plate as blanking cover

PA

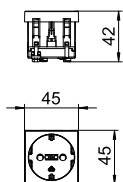


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P1 RW	Pure white	1	3.000	6109843

Cover plate as blanking cover.



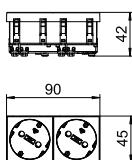
### 0° socket, protective contact, single



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
<b>STD-D0 RW1</b>	Pure white	1	4.200	<b>6120008</b>

Power socket, single 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

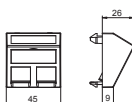
### 33° socket, protective contact, double



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
<b>STD-D3S RW2</b>	Pure white	1	7.700	<b>6120103</b>

Protective contact socket, double 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

### Data technology support, 1 module, slanting outlet, type C

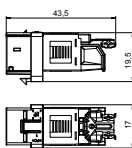


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
<b>DTS-2C RW1</b>	Pure white	1	1.500	<b>6119250</b>

The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

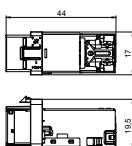
### Connection module Cat. 6A, unshielded, keystone



Type	Pack Piece	Weight kg/100 pc.	Item no.
<b>ASM-C6A</b>	1	1.050	<b>6117348</b>

Connection module Cat. 6A (ISO) unshielded, with an RJ45 slot. Including a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

### Connection module Cat. 6A, shielded, Keystone



Type	Pack Piece	Weight kg/100 pc.	Item no.
<b>ASM-C6A G</b>	1	1.630	<b>6117346</b>

Connection module Cat. 6A (ISO) shielded, with an RJ45 slot. Including an EMC screen hood, a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

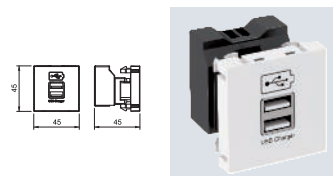


PC

USB charging device

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
MTG-2UC2.1 RW1	Pure white	1	6.162	6105300
MTG-2UC2.1 SWGR1	Black-grey	1	5.500	6105302

USB charging device with two USB type A sockets, for charging 1–2 mobile devices, maximum charging current 1x 2,100 mA or 2x 1,050 mA.

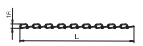


Power supply units



**Knotted chain**

St



Type	Designation	Pack m	Weight kg/100 m	Item no.
VH-K800	sold by the metre	1	20.000	6109870

Knotted chain made of pre-copper-plated steel, nickel-plated, according to DIN 5686.  
 Max. tensile force: 800 N.  
 Note: Specify the required chain length during ordering.

Power supply units

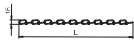






**Knotted chain**

St



Type	Designation	Pack	Weight	Item no.
		m	kg/100 m	
VH-K800	sold by the metre	1	20.000	6109870

Knotted chain made of pre-copper-plated steel, nickel-plated, according to DIN 5686.  
 Max. tensile force: 800 N.  
 Note: Specify the required chain length during ordering.

Power supply units







# Sockets



Sockets

70

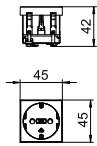



Accessories, sockets

72

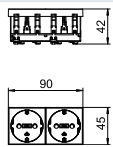



### 0° socket, protective contact, single

	
<b>Type</b>	<b>STD-D0 RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	4.200
<b>Item no.</b>	<b>6120008</b>
	<b>PC</b> Polycarbonate

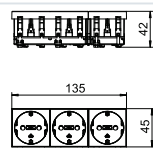


Power socket, single 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

### 0° socket, protective contact, double

	
<b>Type</b>	<b>STD-D0 RW2</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	8.000
<b>Item no.</b>	<b>6120022</b>
	<b>PC</b> Polycarbonate

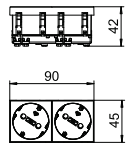
Power socket, double 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.


### 0° socket, protective contact, triple

		
<b>Type</b>	<b>STD-D0 RW3</b>	<b>STD-D0 SWGR3</b>
Colour	Pure white	Black-grey
Pack Piece	1	1
Weight kg/100 pc.	12.200	12.200
<b>Item no.</b>	<b>6120042</b>	<b>6120050</b>
	<b>PC</b> Polycarbonate	

Power socket, triple 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

### 33° socket, protective contact, double

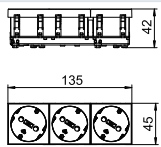





<b>Type</b>	<b>STD-D3S RW2</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	7.700
<b>Item no.</b>	<b>6120103</b>
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate	

Protective contact socket, double 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

### 33° socket, protective contact, triple



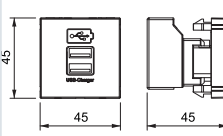





<b>Type</b>	<b>STD-D3S RW3</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	11.000
<b>Item no.</b>	<b>6120123</b>
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate	

Protective contact socket triple 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

### USB charging device, Modul 45

#### USB charging device

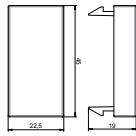


	<b>MTG-2UC2.1 RW1</b>	<b>MTG-2UC2.1 SWGR1</b>	<b>MTG-2UC2.1 AL1</b>
Colour	Pure white	Black-grey	Aluminium-painted
Pack Piece	1	1	1
Weight kg/100 pc.	6.162	5.500	5.500
<b>Item no.</b>	<b>6105300</b>	<b>6105302</b>	<b>6105304</b>
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate			

USB charging device with two USB type A sockets, for charging 1–2 mobile devices, maximum charging current 1x 2,100 mA or 2x 1,050 mA.

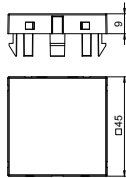
## Blanking cover, 1/2 module



Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
ADP-B RW0.5	Pure white	10	0.400	6117414

Blanking cover for closing off empty spaces for a half device (1/2 module).

## Blanking cover, 1 module

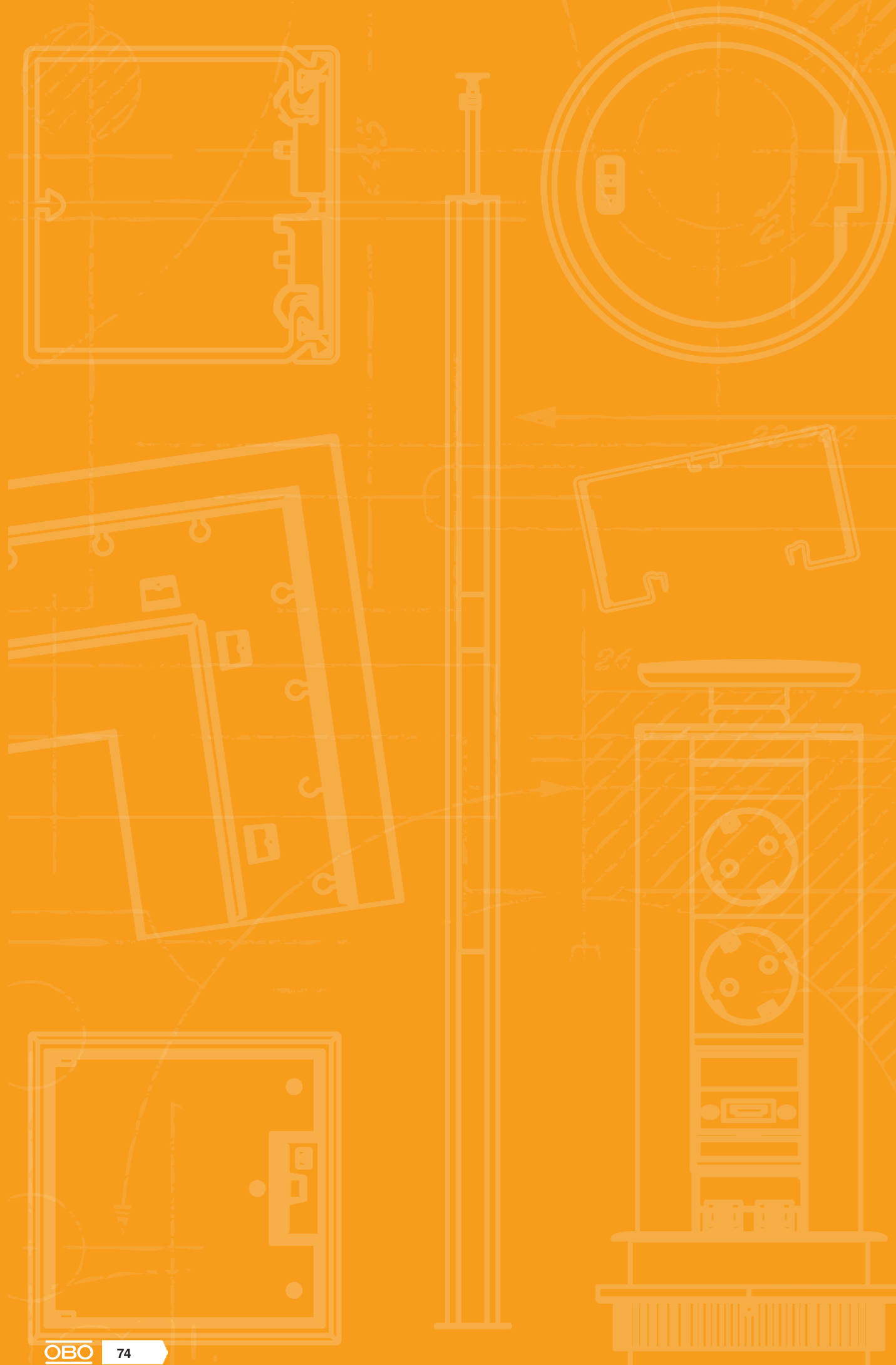


Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
ADP-B RW1	Pure white	10	0.800	6117406
ADP-B SWGR1	Black-grey	10	0.800	6117407

Blanking cover for closing off empty spaces for a device (one module).







# Pre-terminated socket units

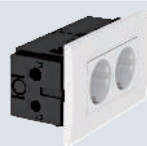
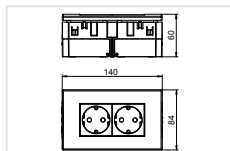


Socket units

76



## AR45 socket unit, double



**Type** **SDE-RW D0RW2**

Colour Pure white  
Pack Piece 1  
Weight kg/100 pc. 19.000

**Item no.** **6119407**

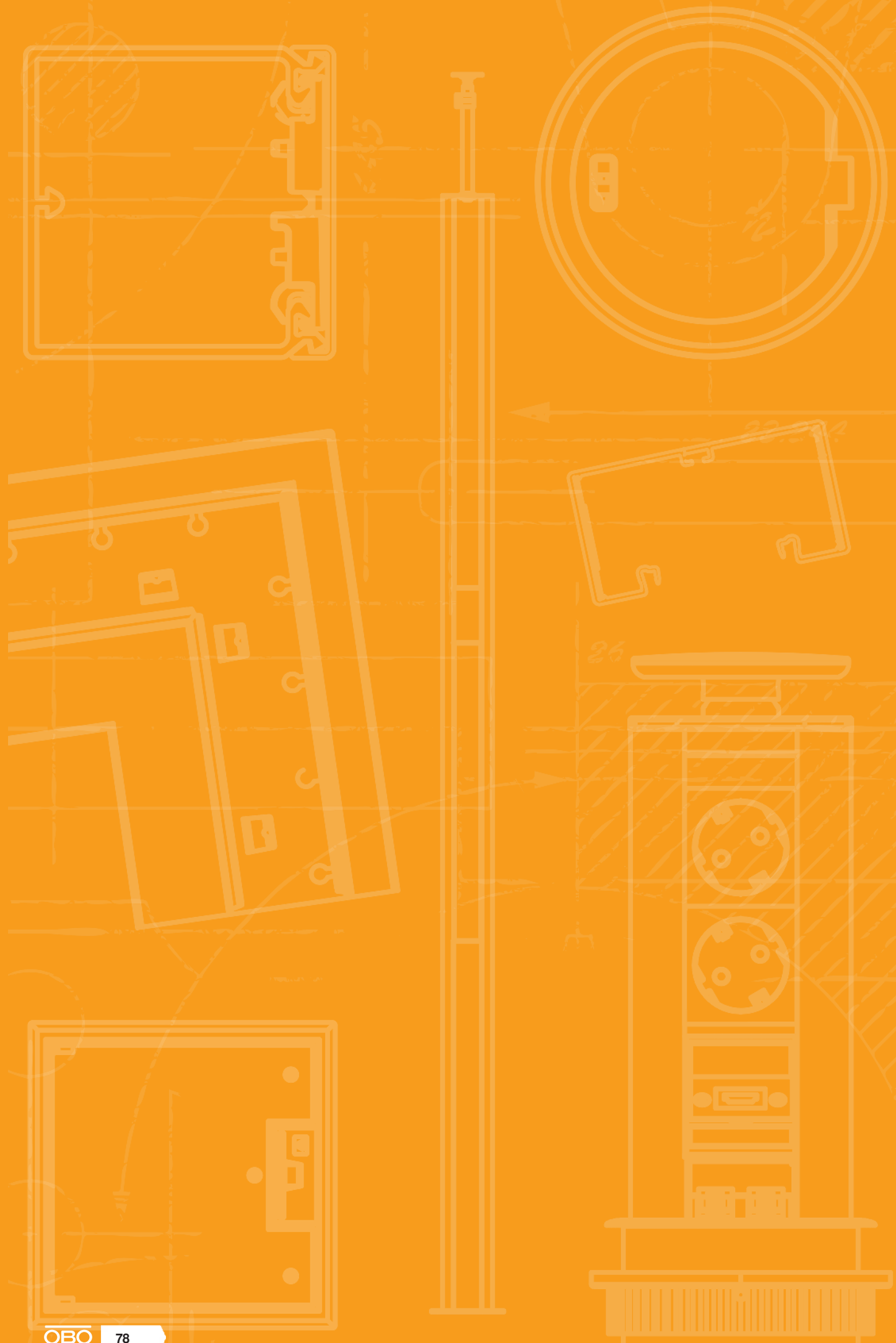
**PC** Polycarbonate

Pre-terminated socket unit without labelling panel, suitable for installation in Rapid 80 device installation trunking systems.

Socket unit, consisting of:

- Service outlet, double, type 71GD13
- Protective contact socket, double, 0° connection direction, colour: see table
- Cover frame AR45, double, without labelling panel, colour: pure white





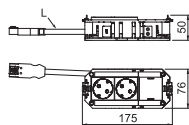
# Connect – connectable technology

	Connect WAGO WINSTA®	80
	Connect Wieland GST18®	88
	Sockets, Modul 45connect®	90



## UTC3 W with 2 protective contact sockets

PA



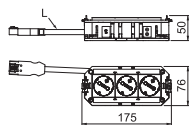
Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC3 W W2	1	WINSTA® MIDI	Double pure white	1	26.900	7404610

The ready-for-connection UTC3 universal support has 2 pre-installed 33° protective contact sockets in white of 16 A and one blanking cover for reinstallation of an installation device of the Modul 45 or Modul 45connect series. Suitable for VL connection cables and device installation units of nominal size 2, 4, R4 and R7.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.

## UTC3 W with 3 protective contact sockets

PA



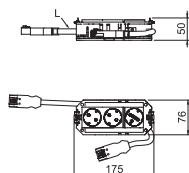
Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC3 W W3	1	WINSTA® MIDI	Triple pure white	1	29.900	7404611

The ready-for-connection UTC3 universal support possesses 3 pre-installed 33° protective contact sockets in white of 16 A. Suitable for VL connection cables and device installation units of nominal size 2, 4, R4 and R7.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.

## UTC3 W with 2+1 protective contact sockets

PA



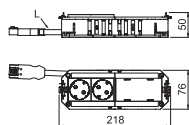
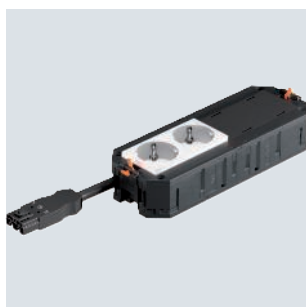
Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC3 W W2OR1	2	WINSTA® MIDI	Double pure white/ single pure orange	1	39.800	7404609

The ready-for-connection UTC3 universal support possesses 2 pre-installed 33° protective contact sockets in white of 16 A and one pre-installed 33° protective contact socket in orange of 16 A. Suitable for VL connection cables and device installation units of nominal size 2, 4, R4 and R7.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.

## UTC4 W with 2 protective contact sockets

PA



Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W W2	1	WINSTA® MIDI	Double pure white	1	30.700	7404615
UTC4 W OR2	1	WINSTA® MIDI	Double pure orange	1	30.700	7404613

The ready-for-connection UTC4 universal support has 2 pre-installed 33° protective contact sockets in white and 2 blanking covers for reinstallation of 2 installation devices of the Modul 45 series. Suitable for VL connection cables and device installation units of nominal size R7, R9 and 9.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.



PA

## UTC4 W with 3 protective contact sockets

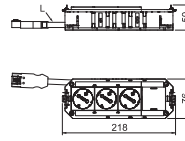
Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W W3	1	WINSTA® MIDI	Triple pure white	1		7404618

The ready-for-connection UTC4 universal support has 3 pre-installed 33° protective contact sockets in white and one blanking cover for reinstallation of an installation device of the Modul 45 series.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.

The ready-for-connection UTC4 universal support has 3 pre-installed 33° protective contact sockets in white and one blanking cover for reinstallation of an installation device of the Modul 45 series.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.



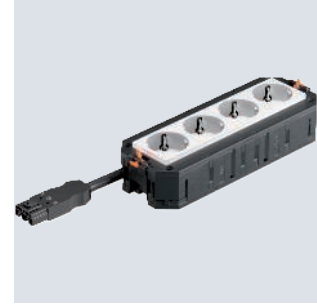
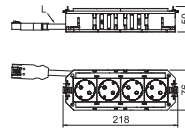
PA

## UTC4 W with 4 protective contact sockets

Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W W4	1	WINSTA® MIDI	4x pure white	1	37.400	7404619
UTC4 W OR4	1	WINSTA® MIDI	4x pure orange	1	37.800	7404614

The ready-for-connection UTC4 universal support possesses 4 pre-installed 33° protective contact sockets in white, 250 V~, 16 A. Suitable for the VL connection cables and device installation units of nominal size R7, R9 and 9.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.



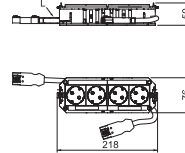
PA

## UTC4 W with 2+2 protective contact sockets

Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W W2OR2	2	WINSTA® MIDI	Double pure white/ double pure orange	1	46.100	7404616

The ready-for-connection UTC4 universal support possesses 2 pre-installed 33° protective contact sockets in white and 2 pre-installed 33° protective contact sockets in orange, 250 V~, 16 A. Suitable for VL connection cables and device installation units of nominal size R7, R9 and 9.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.



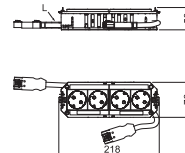
PA

## UTC4 W with 2+2 protective contact sockets, 2 sockets with surge protection

Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W W2OR2 Ü	2	WINSTA® MIDI	Double pure white/ double pure orange	1	47.800	7404617

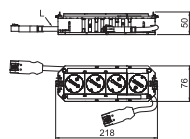
The ready-for-connection UTC4 universal support possesses 2 pre-installed 33° protective contact sockets in white and 2 pre-installed 33° protective contact sockets in orange (with surge protection module, type 3, according to DIN EN 61643-11), 250 V~, 16 A. Suitable for VL connection cables and device installation units of nominal size R7, R9 and 9.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.



## UTC4 W with 3+1 protective contact sockets

PA



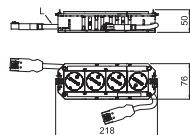
Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W W3OR1	2	WINSTA® MIDI	Triple pure white/ single pure orange	1	46.500	7404621

The ready-for-connection UTC4 universal support has 3 pre-installed 33° protective contact sockets in white and one pre-installed 33° protective contact socket in orange, 250 V~, 16 A. With halogen-free connection cable. Suitable for VL connection cables and device installation units of nominal size R7, R9 and 9.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.

## UTC4 W with 3+1 protective contact sockets, 1 socket with surge protection

PA



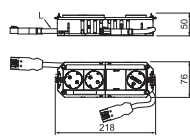
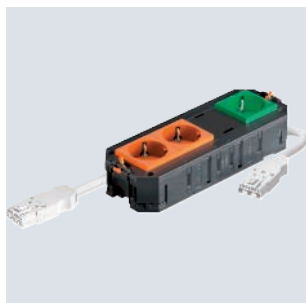
Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W W3OR1 Ü	1	WINSTA® MIDI	Triple pure white/ single pure orange	1	48.200	7404622

The ready-for-connection UTC4 universal support possesses 3 pre-installed 33° protective contact sockets in white and 1 pre-installed 33° protective contact socket in orange (with surge protection module, type 3, according to DIN EN 61643-11), 250 V~, 16 A. Suitable for VL connection cables and device installation units of nominal size R7, R9 and 9.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI.

## UTC4 W with 2+1 protective contact sockets

PA



Type	Circuit	Plug-in system	Version for	Pack Piece	Weight kg/100 pc.	Item no.
UTC4 W OR2GN1	2	WINSTA® MIDI	Double pure orange/ single mint green	1	43.800	7404623

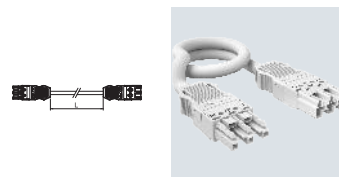
The ready-for-connection UTC4 universal support has 2 pre-installed 33° protective contact sockets in orange and one pre-installed 33° protective contact socket in mint green and one blanking cover for retroinstallation of an installation device of the Modul 45 or Modul 45connect series, 250 V~, 16 A.

PVC connection cable with connector, 3-pin, type WINSTA® MIDI. Suitable for VL connection cables and device installation units of nominal size R7, R9 and 9.

PA

## 3-wire connection cable, halogen-free, cross-section 2.5 mm<sup>2</sup>, white

Type	Cable length mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VL-WIN 3P2.5H1W	1000	White	1	16.500	6108732
VL-WIN 3P2.5H3W	3000	White	1	46.200	6108736
VL-WIN 3P2.5H5W	5000	White	1	78.370	6108740
VL-WIN 3P2.5H8W	8000	White	1	120.260	6108744



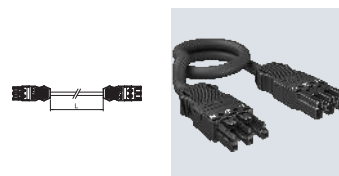
Connection cable 3 x 2.5 mm<sup>2</sup> in the version socket-connector, type WINSTA® MIDI.

Hose pipe: H05Z1Z1-F 3 x 2.5 mm<sup>2</sup>

PA

## 3-wire connection cable, halogen-free, cross-section 2.5 mm<sup>2</sup>, black

Type	Cable length mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VL-WIN 3P2.5H1SW	1000	Black	1	16.500	6108730
VL-WIN 3P2.5H3SW	3000	Black	1	46.200	6108734
VL-WIN 3P2.5H5SW	5000	Black	1	78.000	6108738
VL-WIN 3P2.5H8SW	8000	Black	1	120.280	6108742



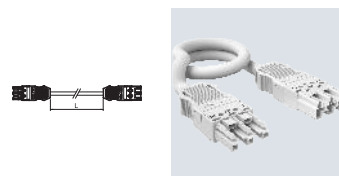
Connection cable 3 x 2.5 mm<sup>2</sup> in the version socket-connector, type WINSTA® MIDI.

Hose pipe: H05Z1Z1-F 3 x 2.5 mm<sup>2</sup>

PA

## 3-wire connection cable, PVC, cross-section 2.5 mm<sup>2</sup>, white

Type	Cable length mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VL-WIN 3P2.5 1W	1000	White	1	17.820	6108712
VL-WIN 3P2.5 3W	3000	White	1	49.880	6108716
VL-WIN 3P2.5 5W	5000	White	1	82.000	6108720
VL-WIN 3P2.5 8W	8000	White	1	127.570	6108724



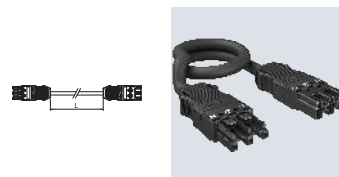
Connection cable 3 x 2.5 mm<sup>2</sup> in the version socket-connector, type WINSTA® MIDI.

PVC hose pipe: H05VV-F 3 x 2.5 mm<sup>2</sup>

PA

## 3-wire connection cable, PVC, cross-section 2.5 mm<sup>2</sup>, black

Type	Cable length mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VL-WIN 3P2.5 1SW	1000	Black	1	17.820	6108710
VL-WIN 3P2.5 3SW	3000	Black	1	46.800	6108714
VL-WIN 3P2.5 5SW	5000	Black	1	82.000	6108718
VL-WIN 3P2.5 8SW	8000	Black	1	130.170	6108722

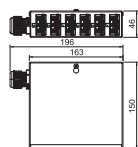


Connection cable 3 x 2.5 mm<sup>2</sup> in the version socket-connector, type WINSTA® MIDI.

PVC hose pipe: H05VV-F 3 x 2.5 mm<sup>2</sup>

**UVS-WIN energy distributor with fixed connection, normal circuit**

St



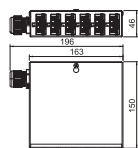
Type	Number of input circuits	No. of outlets	Pack Piece	Weight kg/100 pc.	Item no.
UVS-WIN F6S	1	6	1	76.300	6107980

Energy distributor for heavy current technology with fixed connection, equipped and pre-wired.

Input: 1x three-phase circuit via a screwless terminal block, 5-pin, for cable cross-sections of 0.5–4 mm<sup>2</sup>.  
Output: 6 self-locking plug connectors, 3-pin, in black, 25 A, type WINSTA (socket part: 2x L1, 2x L2, 2 x L3)  
Internal wiring: H07V-U2.5

**UVS-WIN energy distributor with fixed connection, special circuit**

St



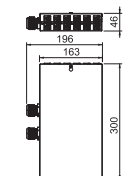
Type	Number of input circuits	No. of outlets	Pack Piece	Weight kg/100 pc.	Item no.
UVS-WIN F6W	1	6	1	76.300	6107982

Energy distributor for heavy current technology with fixed connection, equipped and pre-wired.

Input: 1x three-phase circuit via a screwless terminal block, 5-pin, for cable cross-sections of 0.5–4 mm<sup>2</sup>.  
Output: 6 self-locking plug connectors, 3-pin, in white, 25 A, type WINSTA (socket part 2x L1, 2x L2, 2 x L3)  
Internal wiring: H07V-U2.5

**UVS-WIN energy distributor with fixed connection, normal and special circuit**

St



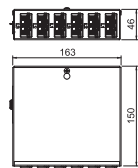
Type	Number of input circuits	No. of outlets	Pack Piece	Weight kg/100 pc.	Item no.
UVS-WIN F6S6W	2	12	1	143.000	6107984

Input: 2x three-phase circuit via a screwless terminal block, 5-pin, for cable cross-sections of 0.5–4 mm<sup>2</sup>.  
Output: 12 self-locking plug connectors, 3-pin, in white (6x) and black (6x), 25 A, type WINSTA® MIDI (socket part: 2x L1, 2x L2, 2x L3 for each rotary current circuit).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.

Energy distributor with WINSTA MIDI connector system, plug connection

**UVS energy distributor with plug connection, normal circuit**

St

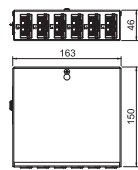


Type	Number of input circuits	No. of outlets	Pack Piece	Weight kg/100 pc.	Item no.
UVS-WIN 6S	1	6	1	73.766	6107986

Input: 1x three-phase circuit using a self-locking plug connector, 5-pin, type WINSTA® MIDI (connector part).  
Output: 6 self-locking plug connectors, 3-pin, in black, 25 A, type WINSTA® MIDI (socket part: 2x L1, 2x L2, 2x L3).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.

**UVS energy distributor with plug connection, special circuit**

St



Type	Number of input circuits	No. of outlets	Pack Piece	Weight kg/100 pc.	Item no.
UVS-WIN 6W	1	6	1	73.800	6107988

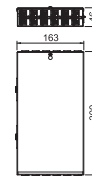
Input: 1x three-phase circuit using a self-locking plug connector, 5-pin, type WINSTA® MIDI (connector part).  
Output: 6 self-locking plug connectors, 3-pin, in white, 25 A, type WINSTA® MIDI (socket part: 2x L1, 2x L2, 2x L3).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.

St

## UVS energy distributor with plug connection, normal and special circuit

Type	Number of input circuits	No. of outlets	Pack Piece	Weight kg/100 pc.	Item no.
UVS-WIN 6S6W	2	6	1	137.046	6107990

Input: 2x three-phase circuit using a self-locking plug connector, 5-pin, type WINSTA MIDI (connector part).  
 Output: 12 self-locking plug connectors, 3-pin, in white (6x) and black (3x), 25 A, type WINSTA MIDI (socket part: 2 x L1, 2 x L2, 2 x L3 for each rotary current circuit).  
 Internal wiring: PVC non-sheathed cable H07V-U2.5.



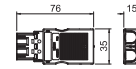
## Installation accessories for WINSTA MIDI connector system

PA

### Connector part 3-pin

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ST-WIN 3P SW	Black	1	2.000	6108954
ST-WIN 3P W	White	1	1.999	6108956

Connector 3-pin, type WINSTA® MIDI with clamp connection.

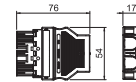


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### Connector part, 5-pin

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ST-WIN 5P SW	Black	1	2.970	6108964
ST-WIN 5P W	White	1	2.948	6108966

Connector 5-pin, type WINSTA® MIDI with clamp connection.

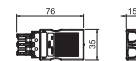


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### Socket section 3-pin

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
BT-WIN 3P SW	Black	1	2.000	6108950
BT-WIN 3P W	White	1	1.965	6108952

Socket section 3-pin, type WINSTA® MIDI with clamp connection.

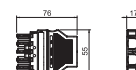


PA

### Socket section 5-pin

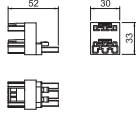
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
BT-WIN 5P SW	Black	1	2.904	6108960
BT-WIN 5P W	White	1	2.885	6108962

Socket section 5-pin, type WINSTA® MIDI with clamp connection.



## Distributor block, 3-pole, 1I/2O

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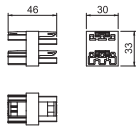


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VB2-WIN 3P	Black	1	2.283	6108970

2x distributor, 3-pin, type WINSTA® MIDI.

## Distributor block 3-pin, 1E/3A

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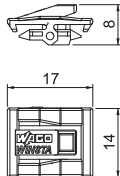


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VB3-WIN 3P	Black	1	2.510	6108972
VB5-WIN 3P	White	1	3.700	6108974

3x distributor, 3-pin, type WINSTA® MIDI.

## Locking lever for WINSTA® MIDI.

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Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VK-WIN	Black	25	0.056	6108700

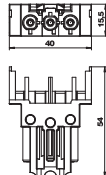
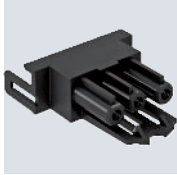
Locking lever for plug connector system WINSTA® MIDI.



## Adapter with Wieland GST18

### Connection adapter, straight, socket part

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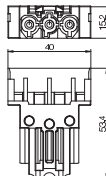


Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
BTA-SKS S1 SW	Black	10	1.200	6117190
BTA-SKS S1 W	White	10	1.200	6117191

Connector part adapter, straight, for connection to an STD-D0C / STD-D3C or STD-F0C / STD-F3C socket from the side, for VL extension cable with Wieland connector GST 18i 3p.

### Connection adapter, straight, connector part

PA

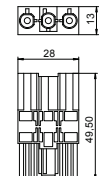
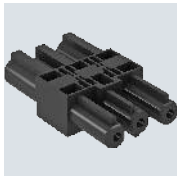


Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
STA-SKS S1 SW	Black	10	1.200	6117192

Connector part adapter, straight, for connection to an STD-D0C / STD-D3C or STD-F0C / STD-F3C socket from the side, for VL extension cable with Wieland connector GST 18i 3p.

### Connection adapter, GST18i, straight

PA

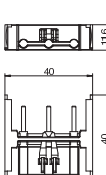


Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VB-G GST18i3p	Black	10	1.760	6108045

Connection adapter GST18i for combining STD-D0C / STD-D3C or STD-F0C / STD-F3C sockets together with straight connection adapters, pluggable connection with integrated strain relief. Suitable for device connections in the device installation trunking systems Rapid 45 and Rapid 80 and in ISS service poles.

### Modul 45connect® connector

PA



Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VB-SKS S	Black	10	0.590	6117198

Connection adapter for combining STD-D0C / STD-D3C or STD-F0C / STD-F3C sockets.

## Connection cables with Wieland GST18

### 3-wire connection cable, halogen-free, cross-section 2.5 mm<sup>2</sup>, black



Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack	Weight	Item no.
					Piece	kg/100 pc.	
VL-3Q2.5 H1 SW	1000	2.5	3	Black	1	16.000	6108450
VL-3Q2.5 H3 SW	3000	2.5	3	Black	1	48.000	6108452
VL-3Q2.5 H5 SW	5000	2.5	3	Black	1	80.000	6108454
VL-3Q2.5 H8 SW	8000	2.5	3	Black	1	128.000	6108457
VL-3Q2.5 H10 SW	10000	2.5	3	Black	1	160.000	6108459

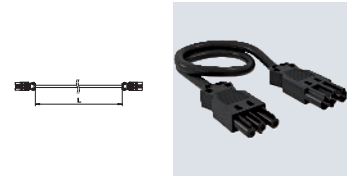
Halogen-free connection cables 3 x 2.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.





### 3-wire connection cable, PVC, cross-section 2.5 mm<sup>2</sup>, black

Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VL-3Q2.5 1 SW	1000	2.5	3	Black	1	18.000	6108150
VL-3Q2.5 3 SW	3000	2.5	3	Black	1	54.000	6108152
VL-3Q2.5 5 SW	5000	2.5	3	Black	1	90.000	6108154
VL-3Q2.5 8 SW	8000	2.5	3	Black	1	144.000	6108157
VL-3Q2.5 10 SW	10000	2.5	3	Black	1	180.000	6108159



Connection cable 3 x 2.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.

## Installation accessories for Connect Wieland GST18 ®

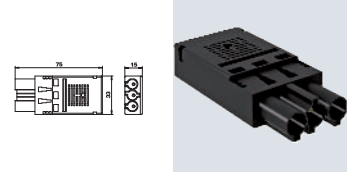
### Connector part 3-pin, spring power connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ST-F GST18i3p SW	Black	1	2.600	6108050

Connector part, 3-pin, type GST18i with spring power connection for rigid cables of 1.5–2.5 mm<sup>2</sup>, single-wire and ultrasonically welded, fine wire cables 1.5 mm<sup>2</sup> with end sleeves, unmounted with strain relief, can be terminated in situ, 250 V, 16 A.

Two connections per pole, for cables H05VV, NYM (Ø 7.8–10.33 mm), lockable, a lock should be provided for strain relief according to VDE 0628.

Stripping length: 45 mm  
Stripped length: 9 mm

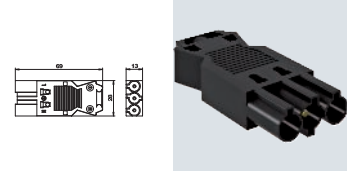


### Connector part, 3-pin, screw connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ST-S GST18i3p SW	Black	1	2.030	6108054

Connector part, 3-pin, type GST18i with screw connection, low height (no slot loss in combination with distributor blocks), for cross-sections of 0.75–2.5 mm<sup>2</sup>, single- and fine-wire cables connectable without end sleeve, for cable diameters between 6.5–10.5 mm (H05VV, NYM), unmounted with strain relief, terminable in situ, 250 V, 16 A.

Stripping length: 31 mm  
Insulation removal length: 7 mm

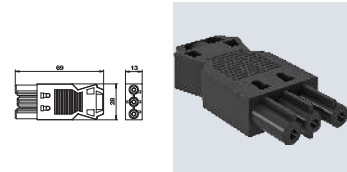


### Socket section 3-pin, screw connection

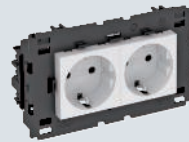
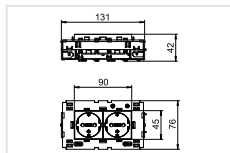
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
BT-S GST18i3p SW	Black	1	2.150	6108056

Socket part, 3-pin, type GST18i with screw connection, low height (no slot loss in combination with distributor blocks), for cross-sections of 0.75–2.5 mm<sup>2</sup>, single- and fine-wire cables connectable without end sleeve, for cable diameters between 6.5–10.5 mm (H05VV, NYM), unmounted with strain relief, terminable in situ, 250 V, 16 A.

Stripping length: 31 mm  
Insulation removal length: 7 mm



## Socket 0°, Connect 80, protective contact, double



**Type** **STD-D0C8 RW2**

Colour Pure white

Pack Piece 1

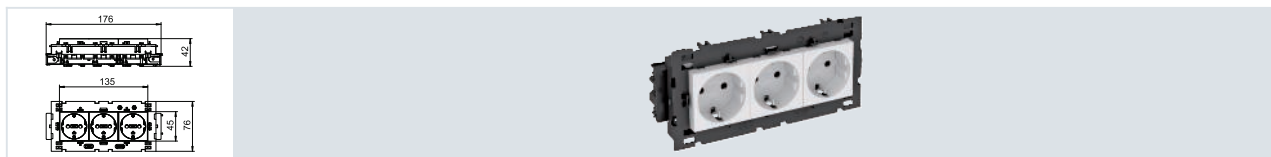
Weight kg/100 pc. 13.000

**Item no.** **6120432**

**PC** Polycarbonate

Protective contact socket with connection to side, double 0°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1, suitable for the installation in Rapid 80 device installation trunking systems.

Socket 0°, Connect 80, protective contact, triple



<b>Type</b>	<b>STD-D0C8 RW3</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	20.000
<b>Item no.</b>	<b>6120452</b>

**PC** Polycarbonate

Protective contact socket with connection to side, triple 0°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1, suitable for the installation in Rapid 80 device installation trunking systems.

Modul 45 connect 33° sockets for underfloor installations and service poles

Socket 33°, Connect 45, protective contact, double



<b>Type</b>	<b>STD-D3SC RW2</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	8.500
<b>Item no.</b>	<b>6120483</b>

**PC** Polycarbonate

Protective contact socket double 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

Socket 33°, Connect 45, protective contact, triple



<b>Type</b>	<b>STD-D3SC RW3</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	12.200
<b>Item no.</b>	<b>6120503</b>

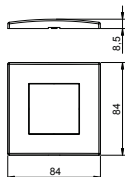
**PC** Polycarbonate

Protective contact socket triple 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



**Cover frame AR45-F1, for accessory mounting box 71GD8-2, single**

PC

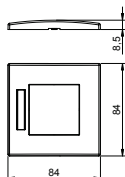


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-F1 RW	Pure white	1	2.560	6119322

Front locking cover frame for Modul 45 devices, single, without labelling panel for horizontal and vertical device installation, for locking in accessory mounting box 71GD8-2.

**Cover frame AR45-BF1, for accessory mounting box, single, with labelling panel for horizontal device installation**

PC

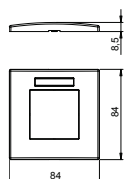


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-BF1 RW	Pure white	1	1.500	6119332
AR45-BF1 SWGR	Black-grey	1	1.500	6119334

Front locking cover frame for Modul 45 devices, single, with labelling panel for horizontal device installation, for locking in accessory mounting box 71GD8-2.

**Cover frame AR45-BSF1, for accessory mounting box 71GD8-2, single, with labelling panel for vertical device installation**

PC

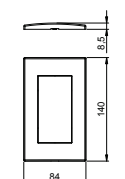


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-BSF1 RW	Pure white	1	2.000	6119338

Front locking cover frame for Modul 45 devices, single, with labelling panel for vertical device installation, for locking in accessory mounting box 71GD8-2.

**Cover frame AR45-F2, for accessory mounting box 71GD13, double**

PC

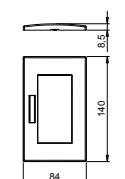


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-F2 RW	Pure white	1	2.320	6119342
AR45-F2 AL	Aluminium-painted	1	2.320	6119346

Front locking cover frame for Modul 45 devices, single, without labelling panel for horizontal and vertical device installation, for locking in accessory mounting box 71GD13 or in mounting support 71MT2 45.

**Cover frame AR45-BF2, for accessory mounting box 71GD13, double, with labelling panel for horizontal device installation**

PC



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-BF2 RW	Pure white	1	2.260	6119352
AR45-BF2 SWGR	Black-grey	1	2.260	6119354
AR45-BF2 AL	Aluminium-painted	1	2.260	6119356

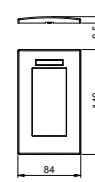
Front locking cover frame for Modul 45 devices, double, with labelling panel for horizontal device installation, for locking in accessory mounting box 71GD13 or in mounting support 71MT2 45.

PC

### Cover frame AR45-BSF2, for accessory mounting box 71GD13, double, with labelling panel for vertical device installation

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-BSF2 RW	Pure white	1	2.260	6119362

Front locking cover frame for Modul 45 devices, double, with labelling panel for vertical device installation, for locking in accessory mounting box 71GD13 or in mounting support 71MT2 45.

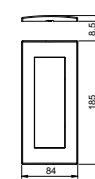


PC

### Cover frame AR45-F3, for accessory mounting box 71GD9-2, triple

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-F3 RW	Pure white	1	2.800	6119372

Front locking cover frame for Modul 45 devices, triple, without labelling panel for horizontal and vertical device installation, for locking in accessory mounting box 71GD9-2 or in mounting support 71MT3 45-2.

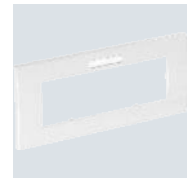
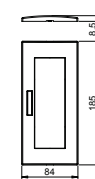


PC

### Cover frame AR45-BF3, for accessory mounting box 71GD9-2, triple, with labelling panel for horizontal device installation

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
AR45-BF3 RW	Pure white	1	2.800	6119382

Front locking cover frame for Modul 45 devices, triple, with labelling panel for horizontal device installation, for locking in accessory mounting box 71GD9-2 or in mounting support 71MT3 45-2.



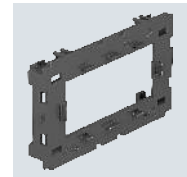
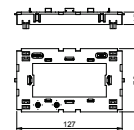
## Mounting support

PA

### Mounting support 71MT2, double, for Modul 45®

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
71MT2 45	Light grey	5	3.050	6288576

Front-locking, double mounting support for Modul 45 data technology systems and Modul 45connect protective contact sockets.

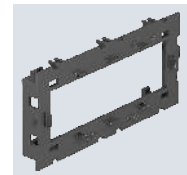
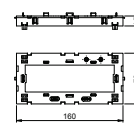


PA

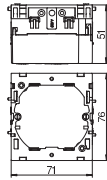
### Mounting support 71MT3, triple, for Modul 45®

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
71MT3 45-2	Light grey	5	3.200	6288574

Front-locking, triple mounting support for Modul 45 data technology systems and Modul 45connect protective contact sockets.



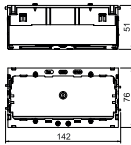
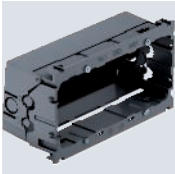
## Accessory mounting box 71GD6, single



Colour		Pack	Weight	Item no.
Type	Piece	kg/100 pc.		
71GD6	Iron grey	5	5.600	6288610

Front locking accessory mounting box for switch systems, with folding, and also removable, base for time-saving cable connection, with feed openings for cable diameters of up to 14 mm. Halogen-free version.

## Accessory mounting box 71GD7-2, double

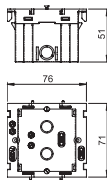


Colour		Pack	Weight	Item no.
Type	Piece	kg/100 pc.		
71GD7-2	Iron grey	2	8.200	6288608

Front locking accessory mounting box for standard switch ranges for the installation of two individual installation devices or a multiple protective contact socket. With unfolding, and also removable, base for time-saving cable connection and with feed openings for cable diameters of up to 14 mm. Halogen-free version.

Vertical fastening track 60 mm.

## Accessory mounting box, single, with large installation opening



Colour		Pack	Weight	Item no.
Type	Piece	kg/100 pc.		
71GD11		1	4.600	6288532

Accessory mounting box to accept standard switching and connection devices in support ring and support clamp versions of all manufacturers. An extra large installation opening means that the box is also suited to accept ELKO devices as well as larger versions of data technology connection sockets. With the data technology application, it is possible to do without the protective housing if necessary.







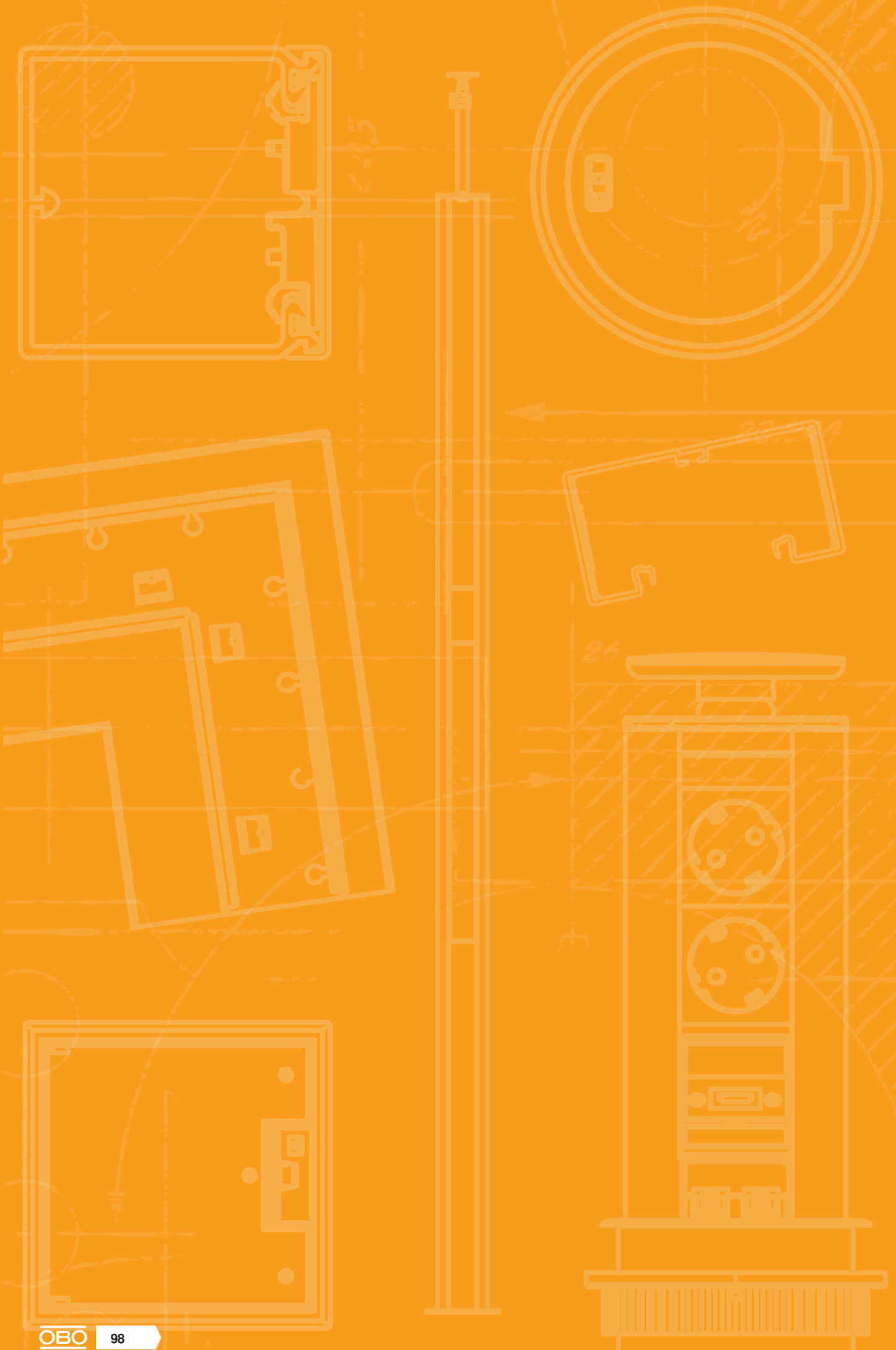
# Surface-mounted systems



Surface-mounted housing

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# Data technology



Data technology support

100



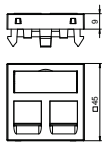
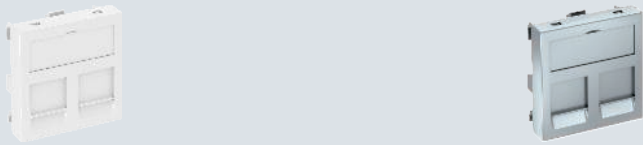
Accessories, data technology support

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## Selection aid – installation of data technology modules from different manufacturers

Manufacturer	Data technology module	Data technology support
3M	Volition K6	Type C (without dust protection slider)
3M	Volition CAT6A	Type C (without dust protection slider)
AMP/Tyco	SL Series 110Connect (without dust protection flap)	Type A
AMP/Tyco	SL Series Toolless (without dust protection flap)	Type A
Avaya/Systimax	M series	Type F
Belden	KeyConnect	Type C
Brand-Rex	Modules with the item number ending ...JAKS000CR	Type A
Brand-Rex	Modules with the item number ending ...JAKU002	Type A
BTR Netcom	Cat. 6A module (Keystone design)	Type C
BTR Netcom	UTP module (Keystone design)	Type C
BTR Netcom	Cat. 6A module (modular design)	Type B
BTR Netcom	E-DAT module (modular design)	Type B
BTR Netcom	UAE module (modular design)	Type B
CobiNet	CobiDat KS	Type C
Corning	Modules with Keystone retainer	Type C
Dätwyler Cables	MS module	Type B
Dätwyler Cables	MS-N module	Type B
Dätwyler Cables	KS-T and KS-TS module	Type C
Dätwyler Cables	MS-K module	Type C
Dätwyler Cables	KU-T module	Type C
EKU	E-Stone module	Type C
Harting	Prelink RJ45 Keystone module Cat. 6A	Type C
Harting	Fixlink RJ45 Keystone module Cat. 6A	Type C
Komos	KDM 500 module	Type C
Leoni Kerpen	VarioKeystone, Cat. 6A socket module	Type B
Leoni Kerpen	MegaLine Connect100, socket module Cat. 6A and 8C7A	Type B
Leoni Kerpen	MegaLine Connect45, Keystone socket modules	Type C
Leoni Kerpen	MegaLine Connect45, ELine	Type EP
Lexcom/Schneider	LexCom 125	Type LE
Lexcom/Schneider	LexCom 250	Type LE
Lexcom/Schneider	LexCom 500	Type LE
Nexans	LANmark RJ45 with blue adapter clip	Type A
Nexans	LANmark GG45 with metal clip	Type A
OBO Bettermann	Connection module, type ASM-C6A	Type C
OBO Bettermann	Connection module, type ASM-C6A G	Type C
OBO Bettermann	Connection module, type ASM-C5	Type RM
OBO Bettermann	Connection module, type ASM-C5 G	Type RM
OBO Bettermann	Connection module, type ASM-C6	Type RM
OBO Bettermann	Connection module, type ASM-C6 G	Type RM
Panduit	Mini-Com	Type PA
R&M	Cat. 6A module with Keystone fastening	Type C
R&M	Cat. 5 and Cat. 6 modules without support plate	Type RM
Rutenbeck	UM module	Type C
Rutenbeck	Umflex module	Type C
SETEC	UKJ module	Type C
SETEC	XKJ module	Type C
Telegärtner	AMJ module	Type C
Telegärtner	UMJ module	Type C

### Data technology support, 1 module, straight outlet, type RM

		
	<b>Type</b>	<b>DTG-2RM RW1</b>
Colour	Pure white	Aluminium-painted
Pack Piece	1	1
Weight kg/100 pc.	1.100	1.100
<b>Item no.</b>	<b>6119292</b>	<b>6119296</b>
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate		

The type RM data technology support is suitable for accepting the following data connection modules: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat. 5 and Cat. 6 modules without support plate.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

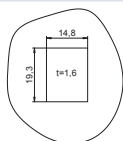
### Data technology support, 1 module, slanting outlet, type RM

		
	<b>Type</b>	<b>DTS-2RM RW1</b>
Colour	Pure white	
Pack Piece	1	
Weight kg/100 pc.	2.900	
<b>Item no.</b>	<b>6119298</b>	
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate		

The type RM data technology support is suitable for accepting the following data connection modules: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat. 5 and Cat. 6 modules without support plate.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

## Data technology support, 1 module, straight outlet, type C



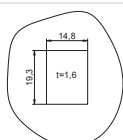
<b>Type</b>	<b>DTG-2C RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.100
<b>Item no.</b>	<b>6119214</b>

**PC** Polycarbonate

The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

## Data technology support, 1 module, slanting outlet, type C



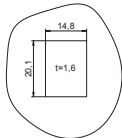
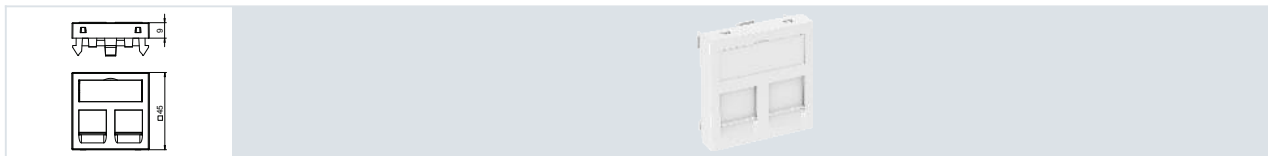
<b>Type</b>	<b>DTS-2C RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.500
<b>Item no.</b>	<b>6119250</b>

**PC** Polycarbonate

The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

### Data technology support, 1 module, straight outlet, type A



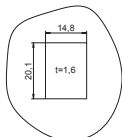
<b>Type</b>	<b>DTG-2A RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.100
<b>Item no.</b>	<b>6119202</b>

**PC** Polycarbonate

The type A data technology support is suitable for accepting the following data connection modules: AMP TYCO (without dust protection cap): SL Series 110Connect and SL Series Toolless; Brand-Rex: modules with item numbers ending in ...JAKS000CR and ...JAKU002; Nexans: LANmark RJ45 with blue adapter clip, LANmark GG45 with metal clip.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type A has a mounting opening of 20.10 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

### Data technology support, 1 module, slanting outlet, type A



<b>Type</b>	<b>DTS-2A RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	2.000
<b>Item no.</b>	<b>6119238</b>

**PC** Polycarbonate

The type A data technology support is suitable for accepting the following data connection modules: AMP TYCO (without dust protection cap): SL Series 110Connect and SL Series Toolless; Brand-Rex: modules with item numbers ending in ...JAKS000CR and ...JAKU002; Nexans: LANmark RJ45 with blue adapter clip, LANmark GG45 with metal clip.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type A has a mounting opening of 20.10 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

### Data technology support, 1 module, straight outlet, type F



<b>Type</b>	<b>DTG-2F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.100
<b>Item no.</b>	<b>6119220</b>

**PC** Polycarbonate

The type F data technology support is suitable for accepting the following data connection modules: Avaya/Systimax: M series.

Data technology support with straight outlet and locking slider to accept two data technology connection modules. The locking fastening is suitable for horizontal and vertical installation in the system environment.

### Data technology support, 1 module, slanting outlet, type F



<b>Type</b>	<b>DTS-2F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.500
<b>Item no.</b>	<b>6119256</b>

**PC** Polycarbonate

The type F data technology support is suitable for accepting the following data connection modules: Avaya/Systimax: M series.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type F has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

### Data technology support, 1 module, straight outlet, type PA



<b>Type</b>	<b>DTG-2PA RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.100
<b>Item no.</b>	<b>6119226</b>

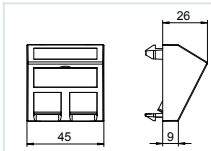
**PC** Polycarbonate

The type PA data technology support is suitable for accepting the following data connection modules: Panduit: Mini-Com.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type PA has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.



### Data technology support, 1 module, slanting outlet, type PA



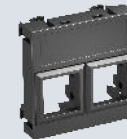
<b>Type</b>	<b>DTS-2PA RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.500
<b>Item no.</b>	<b>6119262</b>

**PC** Polycarbonate

The type PA data technology support is suitable for accepting the following data connection modules: Panduit: Mini-Com.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type PA has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

### Data technology support, 1 module, straight outlet, type LE



<b>Type</b>	<b>DTG-02LE RW1</b>	<b>DTG-02LE SWGR1</b>
Colour	Pure white	Black-grey
Pack Piece	1	1
Weight kg/100 pc.	0.900	0.900
<b>Item no.</b>	<b>6119304</b>	<b>6119306</b>

**PC** Polycarbonate

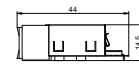
The type LE data technology support is suitable for accepting the following data connection modules: LexCom/Schneider: LexCom 125, LexCom 250 and LexCom 500.

Data technology support with straight outlet and without a locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type LE has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

## Data technology solution Cat. 5

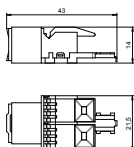
### RJ45 data connection module, Cat. 5e, shielded

<b>Type</b>	Pack Piece	Weight kg/100 pc.	<b>Item no.</b>
<b>ASM-C5 G</b>	1	2.660	<b>6117325</b>



Connection module Cat. 5e shielded, with an RJ 45 slot. Includes an EMC screen hood, a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

### RJ45 data connection module, Cat. 5e, unshielded

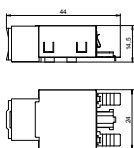


Type	Pack Piece	Weight kg/100 pc.	Item no.
<b>ASM-C5</b>	1	1.120	<b>6117337</b>

Connection module Cat. 5e unshielded, with an RJ 45 slot. Including a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

### Data technology solution Cat. 6

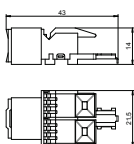
### RJ45 data connection module, Cat. 6, shielded



Type	Pack Piece	Weight kg/100 pc.	Item no.
<b>ASM-C6 G</b>	1	1.850	<b>6117329</b>

Connection module Cat. 6 shielded, with an RJ 45 slot. Includes an EMC screen hood, a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

### RJ45 data connection module, Cat. 6, unshielded



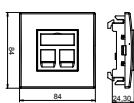
Type	Pack Piece	Weight kg/100 pc.	Item no.
<b>ASM-C6</b>	1	1.060	<b>6117341</b>

Connection module Cat. 6 unshielded, with an RJ 45 slot. Including a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

### Preterminated installation unit for data connection modules

### Flush-mount unit for data technology, type RM

PC



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
<b>DTE-RW G2RM1</b>	Pure white	1	5.000	<b>6119490</b>

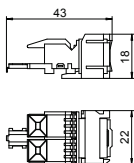
Installation unit to accommodate two type RM data technology modules, suitable for installation in Rapid 80 device installation trunking systems and ISS service poles. The type RM data technology support is suitable for accepting the following data connection modules: OBO (type): ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat. 5 and Cat. 6 modules without support plate.

Installation unit, consisting of:

- Mounting support, single, type 71MT1 45
- Data technology support, straight outlet, type DTG-2RM, colour: see table
- Cover frame AR45, single, without labelling panel, colour: pure white



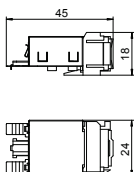
### Connection module Cat. 5E, unshielded, snap-in



Type	Pack Piece	Weight kg/100 pc.	Item no.
ASM-C5 S	1	1.120	6117347

Connection module Cat. 5E unshielded, with a RJ45 slot. Including a dust cover, a cable tie, a snap-in fastening frame and mounting instructions. Suitable for installation in support plates, type MTM 2C and MTM 3C, mounting plate type MPR2 2C, mounting support type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

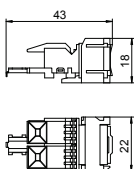
### Connection module Cat. 6, shielded, snap-in



Type	Pack Piece	Weight kg/100 pc.	Item no.
ASM-C6 GS	1	1.850	6117345

Connection module Cat. 6 shielded, with an RJ45 slot. Including an EMC screen hood, a dust cover, a cable tie, a snap-in fastening frame and mounting instructions. Suitable for installation in support plates, type MTM 2C and MTM 3C, mounting plate type MPR2 2C, mounting support type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

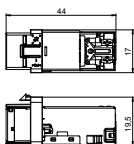
### Connection module Cat. 6, unshielded, snap-in



Type	Pack Piece	Weight kg/100 pc.	Item no.
ASM-C6 S	1	1.060	6117349

Connection module Cat. 6 unshielded, with an RJ45 slot. Including a dust cover, a cable tie, a snap-in fastening frame and mounting instructions. Suitable for installation in support plates, type MTM 2C and MTM 3C, mounting plate type MPR2 2C, mounting support type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

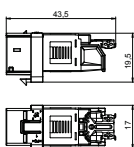
### Connection module Cat. 6A, shielded, Keystone



Type	Pack Piece	Weight kg/100 pc.	Item no.
ASM-C6A G	1	1.630	6117346

Connection module Cat. 6A (ISO) shielded, with an RJ45 slot. Including an EMC screen hood, a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

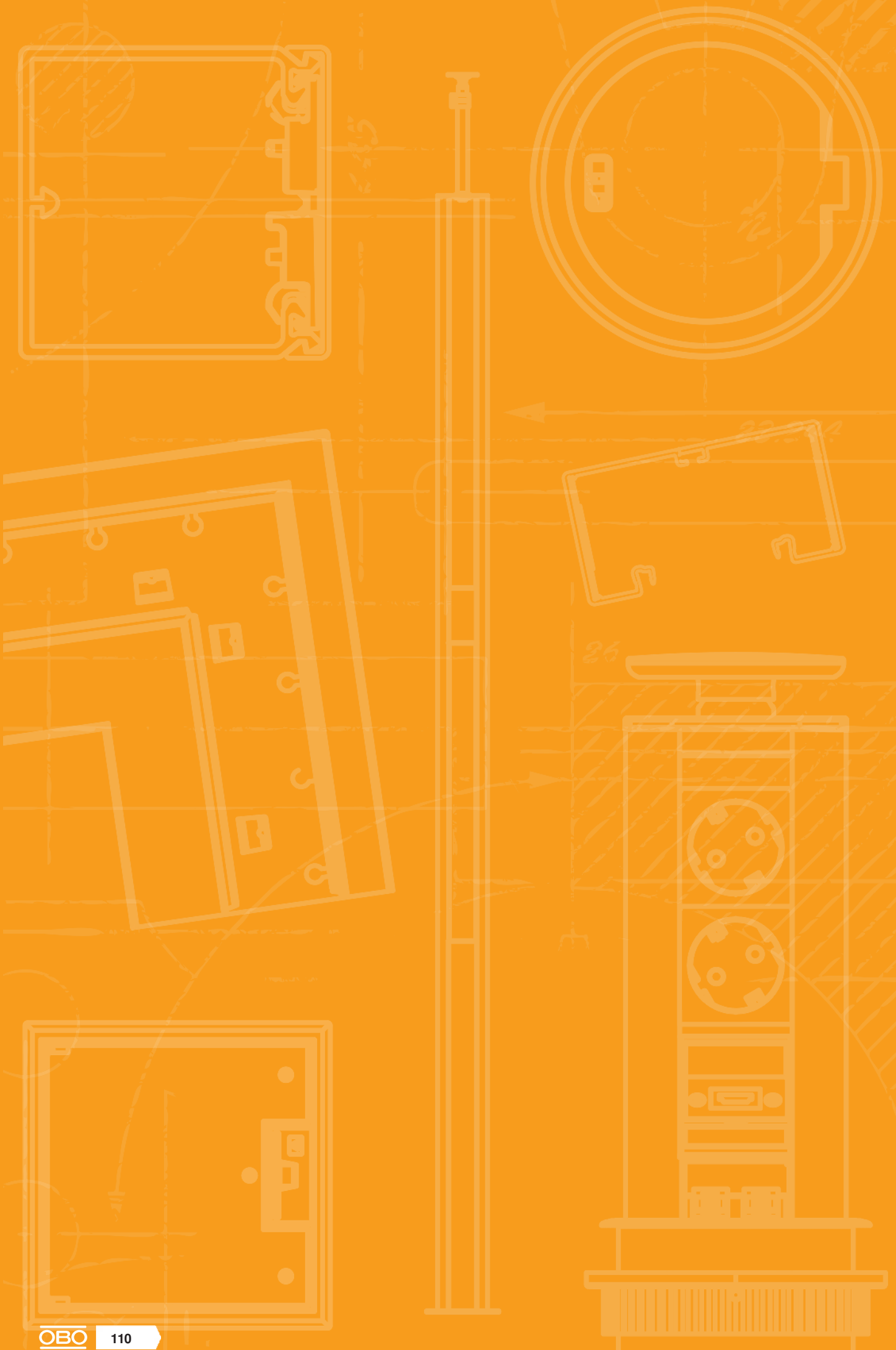
### Connection module Cat. 6A, unshielded, keystone












Type	Pack Piece	Weight kg/100 pc.	Item no.
ASM-C6A	1	1.050	6117348

Connection module Cat. 6A (ISO) unshielded, with an RJ45 slot. Including a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.



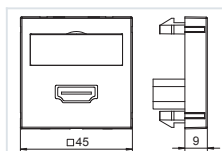


# Multimedia

	HDMI	112
	USB	114
	VGA	116
	Antenna	118
	D-Sub	120
	Cinch	122
	XLR	124
	BNC	126
	Cinch	128



### HDMI connection, 1 module, straight outlet, as screw connection

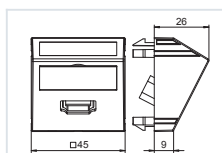


<b>Type</b>	<b>MTG-HD S RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	3.200
<b>Item no.</b>	<b>6104802</b>
	<b>PC</b> Polycarbonate

Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Note: Due to the device dimensions, device installation in Rapid 45 device installation trunking and ISSR..45 / ISSD..45 service poles is not possible.

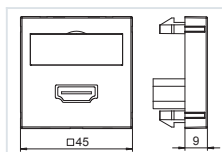
### HDMI connection, 1 module, slanting outlet, as screw connection



<b>Type</b>	<b>MTS-HD S RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	3.400
<b>Item no.</b>	<b>6104814</b>
	<b>PC</b> Polycarbonate

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

### HDMI connection, 1 module, straight outlet, with connection cable

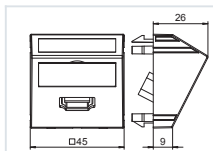


<b>Type</b>	<b>MTG-HD F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	6.000
<b>Item no.</b>	<b>6104826</b>
	<b>PC</b> Polycarbonate

Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, short HDMI connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## HDMI connection, 1 module, slanting outlet, with connection cable



**Type** MTS-HD F RW1

Colour Pure white

Pack Piece 1

Weight kg/100 pc. 6.200

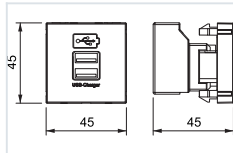
**Item no.** 6104838

**PC** Polycarbonate

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, short HDMI connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## USB charging device



Type	MTG-2UC2.1 RW1	MTG-2UC2.1 SWGR1	MTG-2UC2.1 AL1
Colour	Pure white	Black-grey	Aluminium-painted
Pack Piece	1	1	1
Weight kg/100 pc.	6.162	5.500	5.500
<b>Item no.</b>	<b>6105300</b>	<b>6105302</b>	<b>6105304</b>

**PC** Polycarbonate

USB charging device with two USB type A sockets, for charging 1–2 mobile devices, maximum charging current 1x 2,100 mA or 2x 1,050 mA.

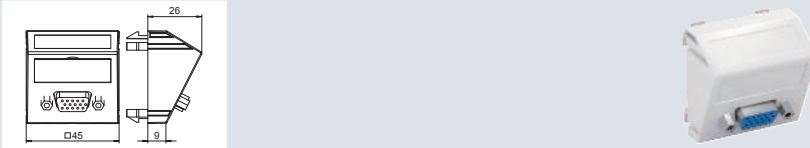


## VGA connection, 1 module, straight outlet, as screw connection

	
<b>Type</b>	<b>MTG-VGA S RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	2.400
<b>Item no.</b>	<b>6104610</b>
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate	

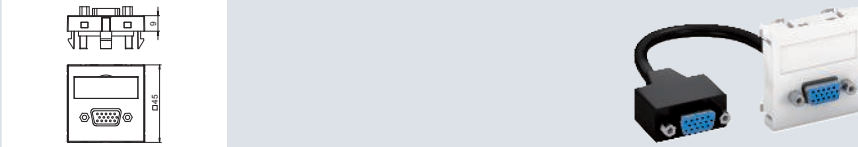
Multimedia support with one VGA connection socket, straight cable outlet, with labelling panel, VGA socket (HD15) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

## VGA connection, 1 module, slanting outlet, as screw connection

	
<b>Type</b>	<b>MTS-VGA S RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	2.600
<b>Item no.</b>	<b>6104622</b>
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate	

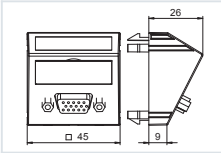
Multimedia support with one VGA connection socket, slanting cable outlet, with labelling panel, VGA socket (HD15) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

## VGA connection, 1 module, straight outlet, with connection cable

	
<b>Type</b>	<b>MTG-VGA F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	5.200
<b>Item no.</b>	<b>6104658</b>
<span style="background-color: #f4a460; padding: 2px;">PC</span> Polycarbonate	

Multimedia support with one VGA connection socket, straight cable outlet, with labelling panel, short VGA connection cable (HD15), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.

VGA connection, 1 module, slanting outlet, with connection cable



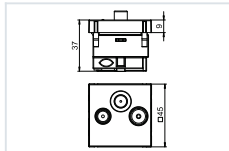
<b>Type</b>	<b>MTS-VGA F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	6.063
<b>Item no.</b>	<b>6104670</b>

**PC** Polycarbonate

Multimedia support with one VGA connection socket, slanting cable outlet, with labelling panel, short VGA connection cable (HD15), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Antenna connection, 1 module, TV/radio/SAT, antenna socket



<b>Type</b>	<b>ANT-3SD RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	11.596
<b>Item no.</b>	<b>6105282</b>

**PC** Polycarbonate

Socket for antenna, BK and satellite reception systems with connection for TV and radio.

Frequency: 5–2150 MHz  
Heat attenuation: 5-862 MHz - 1dB  
950-2150 MHz - 2 dB  
Return channel attenuation: 14 dB  
EMC protection class A



**USB 2.0/3.0 connection, 1 module, straight outlet, with connection cable**



<b>Type</b>	<b>MTG-U3A F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	6.000
<b>Item no.</b>	<b>6104922</b>

**PC** Polycarbonate

Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, short USB 3.0 type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

**USB 2.0/3.0 connection, 1 module, slanting outlet, with connection cable**



<b>Type</b>	<b>MTS-U3A F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	6.200
<b>Item no.</b>	<b>6104934</b>

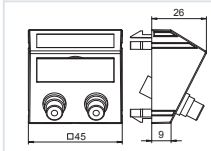
**PC** Polycarbonate

Multimedia support with one USB 3.0 connection socket, slanting cable outlet, with labelling panel, short USB 3.0 type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.





## Audio cinch connection, 1 module, slanting outlet, as 1:1 coupling



**Type** **MTS-2R F RW1**

Colour Pure white  
Pack Piece 1  
Weight kg/100 pc. 2.700

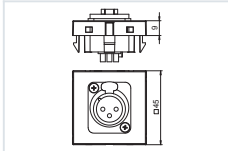
**Item no.** **6105078**

**PC** Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, slanting cable outlet, with labelling panel, two cinch couplings (RCA), socket-socket version, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## XLR connection, 1 module, straight outlet, 3-pin socket, as soldered connection



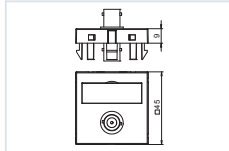
<b>Type</b>	<b>MTG-X3F L RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	3.000
<b>Item no.</b>	<b>6105210</b>

**PC** Polycarbonate

Multimedia support with one XLR connection socket, straight cable outlet, without labelling panel, 3-pin XLR socket with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## BNC connection, 1 module, straight outlet, as 1:1 coupling

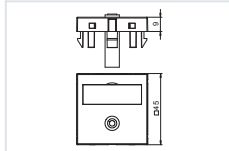


<b>Type</b>	<b>MTG-BC F RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.500
<b>Item no.</b>	<b>6105018</b>
	<b>PC</b> Polycarbonate

Multimedia support with one BNC connection socket, straight cable outlet, with labelling panel, BNC coupling, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



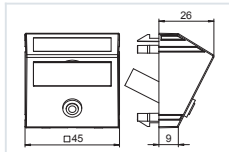
## Mini jack connection, 1 module, straight outlet, as soldered connection



<b>Type</b>	<b>MTG-MK L RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.500
<b>Item no.</b>	<b>6104946</b>
	<b>PC</b> Polycarbonate

Multimedia support with one mini jack connection socket, straight cable outlet, with labelling panel, mini cinch socket (TRS 3.5 mm) with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

## Mini jack connection, 1 module, slanting outlet, as soldered connection

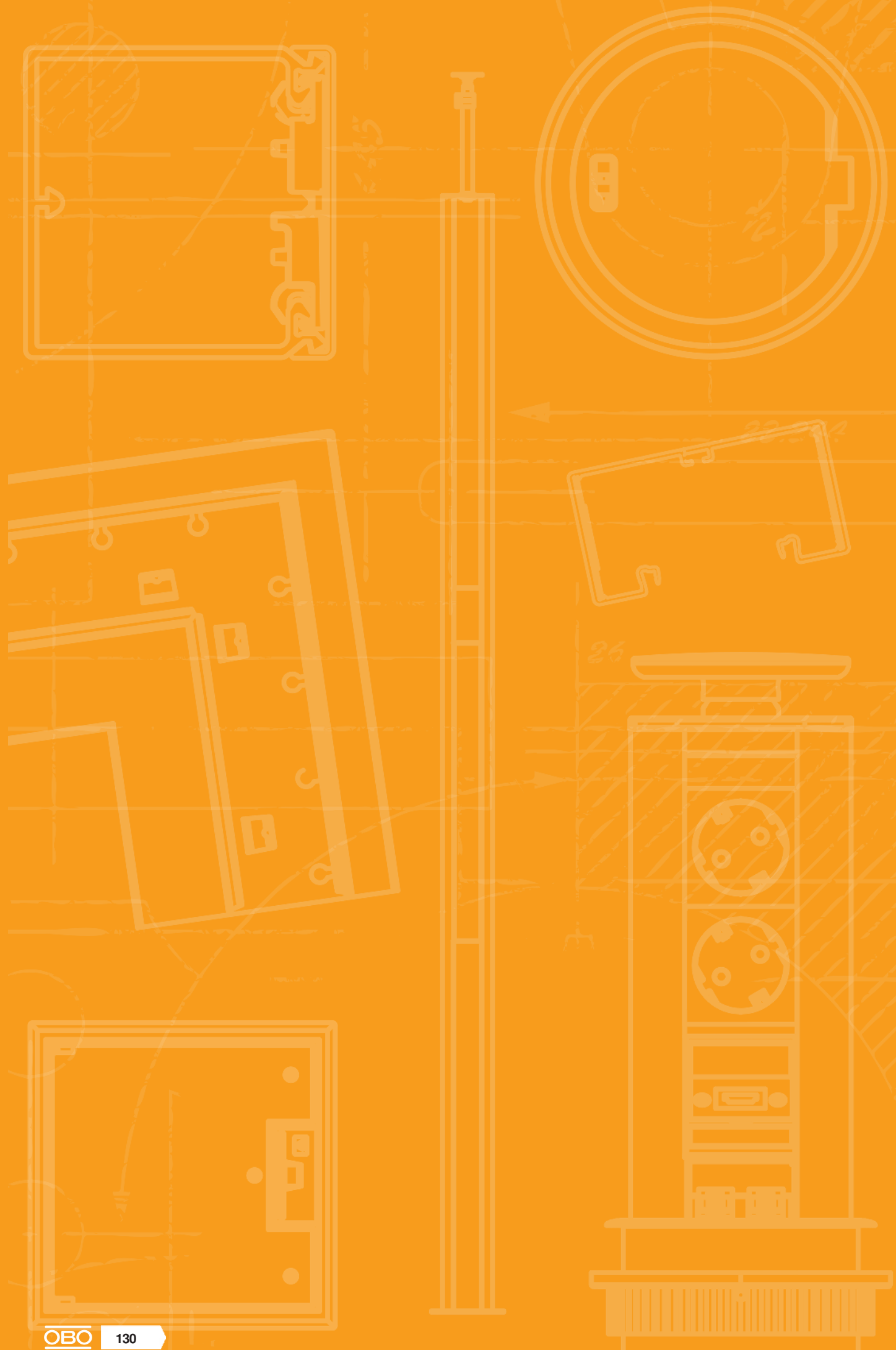


<b>Type</b>	<b>MTS-MK L RW1</b>
Colour	Pure white
Pack Piece	1
Weight kg/100 pc.	1.700
<b>Item no.</b>	<b>6104958</b>
	<b>PC</b> Polycarbonate

Multimedia support with one mini jack connection socket, slanting cable outlet, with labelling panel, mini cinch socket (TRS 3.5 mm) with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.







# Switches

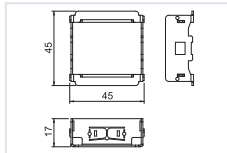


Switches

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## Adapter for switch installation rotated through 90°

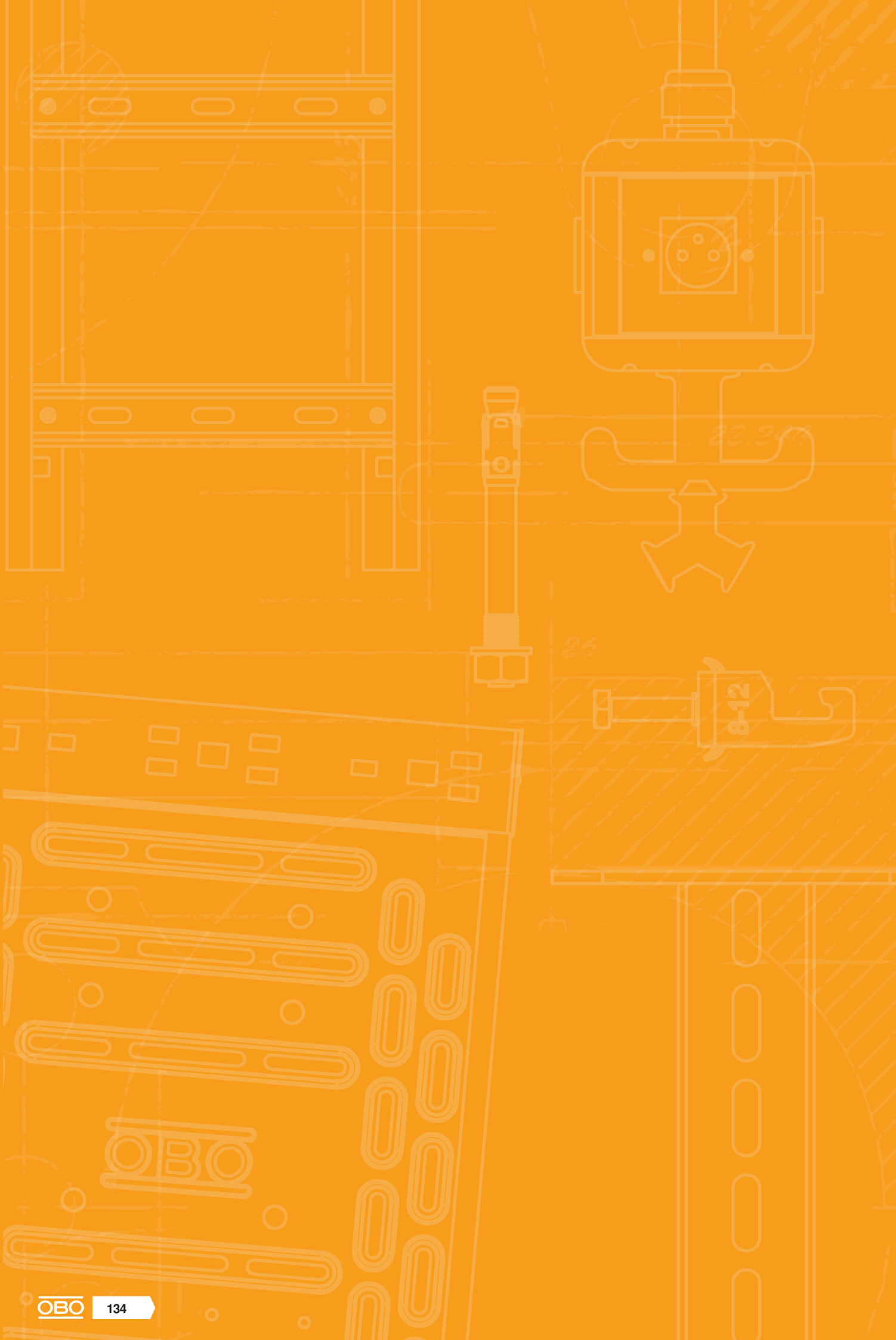


<b>Type</b>	<b>AD-90G M45-1</b>
Pack Piece	1
Weight kg/100 pc.	2.200
<b>Item no.</b>	<b>6120992</b>







**St** Steel

The adapter allows switch installation rotated through 90° in, for example, service poles with a 45 mm track or Rapid 45. Suitable for all switches and buttons in one module width (45 x 45 mm).












































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	For the latest general conditions of sale and delivery please see <a href="http://www.obo.global/general-purchasing-conditions/">www.obo.global/general-purchasing-conditions/</a>	



## Test marks

	American Bureau of Shipping, USA		Underwriters Laboratories Inc., USA + CSA, Canada
	AENOR, Producto Certificado, Spain		Österreichischer Verband für Elektrotechnik, Austria
	STOWARZYSZENIE ELEKTRYKÓW POLSKICH, Poland		ISTITUTO ITALIANO DEL MARCHO DI QUALITÀ, Italy
	Lightning current-tested		RINA 1861, Ship Classification, Certification and Services
	Lightning current-tested, Class H (100 kA)		Underwriters Laboratories Inc., USA
	CEBEC, Belgium		SEMKO An Inchcape Testing Services Company, Sweden
	Canadian Standards Association, Canada		Eidgenössisches Starkstrominspektorat, Switzerland
	DEMKO, Danmarks Elektriske Materielkontrol, Denmark		South African Bureau of Standards
	Deutsches Institut für Bautechnik Berlin, Germany		Shock-tested, Bundesamt für Zivilschutz, Germany
	Det Norske Veritas		Sähkötarkastuskeskus Elinspektionscentralen Electrical Inspectorate, Finland
	ENEC Austria		Underwriters Laboratories Inc., USA
	ATEX certificate for explosive areas		Underwriters Laboratories Inc., USA
	ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV, Czech Republic		Verband der Elektrotechnik, Elektronik, Informationstechnik e.V., Germany
	FIMKO, Finland		German Association of Electricians, tested safety
	Forschungs- und Materialprüfungsanstalt, Germany		5-year warranty
	Russia, GOST The State Committee for Standards		
	Test marks for technical resources, VDE Prüf- und Zertifizierungsinstitut Offenbach, Germany		
	Halogen-free; without chlorine, fluorine and bromine		
	INMETRO, Brazil		
	KEMA-KEUR, Netherlands		
	Indication of metric products		
	MAGYAR ELEKTROTECHNIKAI ELLENŐRZŐ INTÉZET Budapest, Hungary		
	NEMKO, Norway		
	AFNOR Quality symbol of the French standardisation institute		
































# Pictogram explanation






## Surfaces

	Strip galvanised
	Strip galvanised/plastic-coated
	Strip galvanised zinc/aluminium, double dip
	Bright
	Bright, reworked
	Anodised
	Hot-dip galvanised
	Electrogalvanised
	Electrogalvanised/plastic-coated
	Electrogalvanised, yellow-chromatised
	Electrogalvanised, yellow passivated
	Electrogalvanised, transparently passivated
	Primed
	Painted
	Welding primed
	Hot-dip galvanised
	Hot-dip galvanised 85 µm
	Copper-plated
	Nickel-plated
	Galvanised, Deltatone 500
	Galvanised, MAGNI 565
	Zinc-aluminium coated, Galfan
	Zinc scale






## Conformity symbol

	Communautés Européennes, EC declaration of conformity according to EC directives
	RoHS-conformant



















## Quality marks

	Halogen-free; without chlorine, fluorine and bromine
	Flame resistant 650 °C
	Flame resistant 750 °C
	Flame resistant 960 °C
	UV-resistant




## Specific product symbols

	Diameter 60 mm
	Diameter 68 mm
	Protection device to DIN EN 61643-11 or IEC 61643-11
	Transition from LPZ 2 to LPZ 3
	Acoustic signalling



## Applications

	Remote signalling
	Acoustic signalling
	Integrated Service Digital Network, ISDN applications
	Digital Subscriber Line, DSL applications
	Analogue telecommunication
	Category 5 TwisterPair
	Channel Performance to American EIA/TIA standard
	Measuring, controlling and regulating systems
	TV applications
	SAT-TV applications
	MultiBase base
	LifeControl
	Intrinsically safe protection device for potentially explosive areas
	Channel Performance to ISO/IEC 11801
	Power over Ethernet
	230/400 V system
	Protection rating IP 54
	Protection rating IP 65







## Lightning protection classes

	Protection device to DIN EN 61643-11 or IEC 61643-11
	Combination protection device made of type 1 and type 2
	Protection device to DIN EN 61643-11 or IEC 61643-11






## Lightning protection classes

	Protection device to DIN EN 61643-11 or IEC 61643-11
	Protection device to DIN EN 61643-11 or IEC 61643-11



## Lightning protection zone

	Transition from LPZ 0 to LPZ 1
	Transition from LPZ 0 to LPZ 2
	Transition from LPZ 0 to LPZ 3
	Transition from LPZ 1 to LPZ 2
	Transition from LPZ 1 to LPZ 3
	Transition from LPZ 2 to LPZ 3



## BSS maintenance of electrical function installation

	Fire-tested systems
	Escape route ceiling mounting with pressure clip
	OBO Grip, wall routing type
	OBO Grip, ceiling routing type
	Pressure clip for maintenance of electrical function, ceiling mounting




## BSS anchor

	Fire protection anchor
	Fire protection bolt tie

## BSS test marks/material class

	Maintenance of electrical function class E30
	Maintenance of electrical function class E90














## Clamp clip base shapes

	Clamp clip for C profile rail, slot width 11–12 mm
	Clamp clip for C profile rail, slot width 16–17 mm
	Clamp clip for C profile rail, slot width 18–22 mm



## Diameter

	Diameter 60 mm
	Diameter 68 mm
	Diameter 70 mm
	Diameter 74 mm





## Entries

	4 cable entries
	6 cable entries
	7 cable entries
	8 cable entries
	9 cable entries
	10 cable entries
	12 cable entries
	10 cable entries ECO
	12 cable entries ECO
	14 cable entries ECO
	16 cable entries
	18 cable entries ECO
	24 cable entries






## Gland thread

	Thread metric
	Thread Pg





## Entry size

	M20 entry
	M25 entry
	M32 entry
	M40 entry

## KTS side heights










	Cable tray, side height 35 mm
	Cable tray, side height 60 mm
	Cable tray, side height 85 mm
	Mesh cable tray, side height 35 mm
	Mesh cable tray, side height 55 mm

## Materials




	Flat steel
	Angular steel
	U steel
	Round material

# Pictogram explanation







## Nominal cross-section

	Nominal cross-section 1.5 mm <sup>2</sup>
	Nominal cross-section 1.5–2.5 mm <sup>2</sup>
	Nominal cross-section 2.5 mm <sup>2</sup>
	Nominal cross-section 2.5–4 mm <sup>2</sup>
	Nominal cross-section 4 mm <sup>2</sup>
	Nominal cross-section 4–6 mm <sup>2</sup>
	Nominal cross-section 6 mm <sup>2</sup>
	Nominal cross-section 10 mm <sup>2</sup>
	Nominal cross-section 16 mm <sup>2</sup>













## Nominal voltage

	Nominal voltage 400 V
	Nominal voltage 500 V
	Nominal voltage 660 V





## Polarity

	3-pole
	5-pole
	7-pole
	8-pole
	10-pole
	12-pole



## Slot widths

	Slot width 7.5 mm
	Slot width 11 mm
	Slot width 11–12 mm
	Slot width 12 mm
	Slot width 15 mm
	Slot width 16 mm
	Slot width 16.5 mm
	Slot width 16–17 mm
	Slot width 17 mm
	Slot width 18 mm
	Slot width 22 mm
	Slot width 35 mm











## Screw heads

	Philips screw
	Torx screw
	Phillips screw
	Pozidriv











## Firing devices

	Bolt-firing tool
	Nail device





## Protection rating

	Protection rating IP 20
	Protection rating IP 30
	Protection rating IP 31
	Protection rating IP 44
	Protection rating IP 54
	Protection rating IP 55
	Protection rating IP 65
	Protection rating IP 66
	Protection rating IP 67
	Protection rating IP 68

## Metals

	Aluminium
	Aluminium/steel
	Stainless steel, rustproof
	Stainless steel, rustproof
	Stainless steel, rustproof
	Copper
	Brass
	Steel
	Malleable iron
	Die-cast zinc

## Plastics

	Acrylonitrile butadiene styrene
	Duroplast, Aminoplast, type 131.5
	Duroplast, melamine resin, type 150
	Ethylene vinyl acetate

## Plastics

<b>FA</b>	Fibre-proof material DIN 28091
<b>GFK</b>	Fibreglass-reinforced plastic
<b>NBR SBR</b>	Rubber mixture
<b>NBR</b>	Nitrile rubber
<b>PETR</b>	Petrolatum
<b>PA</b>	Polyamide
<b>PA/ GF</b>	Polyamide, fibreglass reinforced
<b>PBPT</b>	Polybutylene terephthalate
<b>PC</b>	Polycarbonate
<b>PE</b>	Polyethylene
<b>PP</b>	Polypropylene
<b>PP/ GF</b>	Polypropylene, fibreglass reinforced
<b>PS</b>	Polystyrene
<b>PVC</b>	Polyvinylchloride
<b>ZELL PC</b>	Cellular polyethylene



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5125266	<b>6109832</b>	58			
6101566	<b>6109841</b>	60			
6101573	<b>6109843</b>	60			
	price/m				
5125549	<b>6109870</b>	64			







# Type listing

Type	GTIN	Item no.	Page
71GD11	5809111	6288532	94
71GD6	5148678	6288610	94
71GD7-2	6789146	6288608	94
		/pc.	
71MT2 45	5889106	6288576	93
71MT3 45-2	5915027	6288574	93
AD-90G M45-1	6594702	6120992	132
ADP-B RW0.5	6117550	6117414	72
ADP-B RW1	6117499	6117406	72
ADP-B SWGR1	5701279	6117407	72
ANT-3SD RW1	6164752	6105282	118
AR45-BF1 RW	5888819	6119332	92
AR45-BF1 SWGR	5888826	6119334	92
AR45-BF2 AL	5888932	6119356	92
AR45-BF2 RW	5888895	6119352	92
AR45-BF2 SWGR	5888901	6119354	92
AR45-BF3 RW	5889021	6119382	93
AR45-BSF1 RW	5896791	6119338	92
AR45-BSF2 RW	5888949	6119362	93
AR45-F1 RW	5888789	6119322	92
AR45-F2 AL	5888888	6119346	92
AR45-F2 RW	5888840	6119342	92
AR45-F3 RW	5888994	6119372	93
ASM-C5	6235278	6117337	106
ASM-C5 G	6235155	6117325	105
ASM-C5 S	5402442	6117347	108
ASM-C6	6235339	6117341	106
ASM-C6 G	6235216	6117329	106
ASM-C6 GS	5402435	6117345	108
ASM-C6 S	5402459	6117349	108
ASM-C6A	5887522	6117348	62
ASM-C6A G	5887515	6117346	62
ASM-C6A G	5887515	6117346	108
BTA-SKS S1 SW	5438069	6117190	88
BTA-SKS S1 W	5483540	6117191	88
BT-S GST18i3p SW	5273653	6108056	89
BT-WIN 3P SW	6688203	6108950	85
BT-WIN 3P W	6688210	6108952	85
BT-WIN 5P SW	6688241	6108960	85
BT-WIN 5P W	6688258	6108962	85
		/pc.	
DTE-RW G2RM1	6410415	6119490	106
DTG-02LE RW1	5925491	6119304	105
DTG-02LE SWGR1	5925507	6119306	105
DTG-2A RW1	5696896	6119202	103
DTG-2C RW1	5696988	6119214	102
DTG-2F RW1	5697015	6119220	104
DTG-2PA RW1	5697046	6119226	104
DTG-2RM AL1	5887454	6119296	101
DTG-2RM RW1	5887430	6119292	101
DTS-2A RW1	5697138	6119238	103
DTS-2C RW1	5697251	6119250	62
DTS-2C RW1	5697251	6119250	102
DTS-2F RW1	5697312	6119256	104
DTS-2PA RW1	5697381	6119262	105
DTS-2RM RW1	5888024	6119298	101
MTG-2UC2.1 AL1	6594665	6105304	71
MTG-2UC2.1 AL1	6594665	6105304	114
MTG-2UC2.1 RW1	6594603	6105300	63
MTG-2UC2.1 RW1	6594603	6105300	71
MTG-2UC2.1 RW1	6594603	6105300	114
MTG-2UC2.1 SWGR1	6594641	6105302	63
MTG-2UC2.1 SWGR1	6594641	6105302	71
MTG-2UC2.1 SWGR1	6594641	6105302	114
MTG-BC F RW1	5900344	6105018	126
MTG-HD F RW1	5899013	6104826	112
MTG-HD S RW1	5898894	6104802	112
MTG-MK L RW1	5899921	6104946	128
MTG-U3A F RW1	5899648	6104922	120







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