GES service outlets

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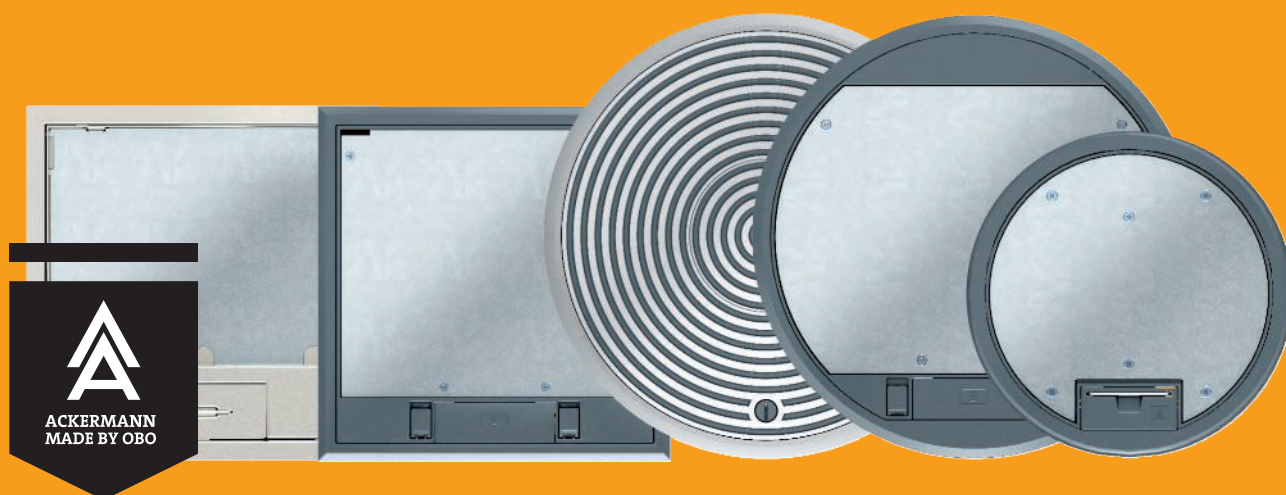
System information

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GES service outlets

Service outlets supply workstations and other areas in the centre of the room with power and data connections via the floor. There are versions for dry and wet-cleaned floors. Service outlets are suitable for installation in screed-flush and screed-covered underfloor systems, as well as in system floors.
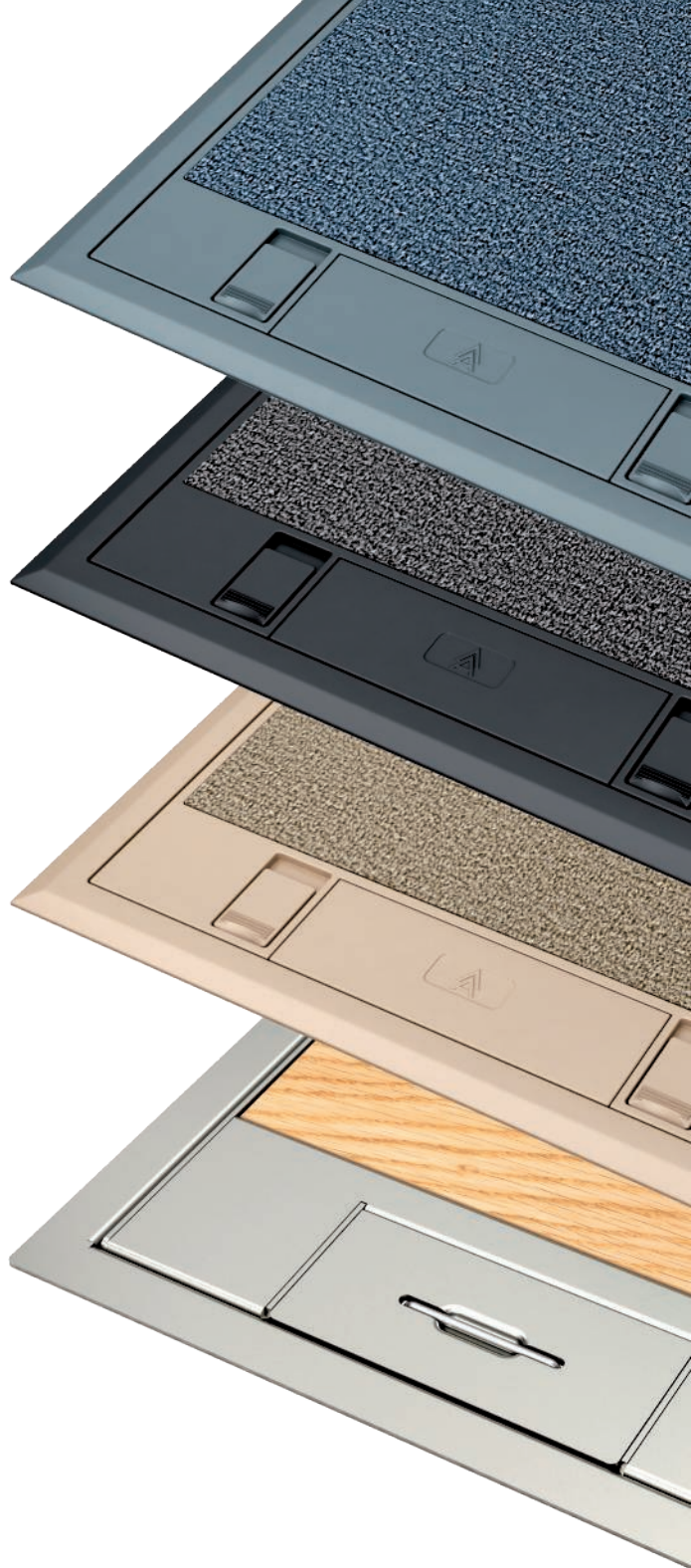
OBO
BETTERMANN
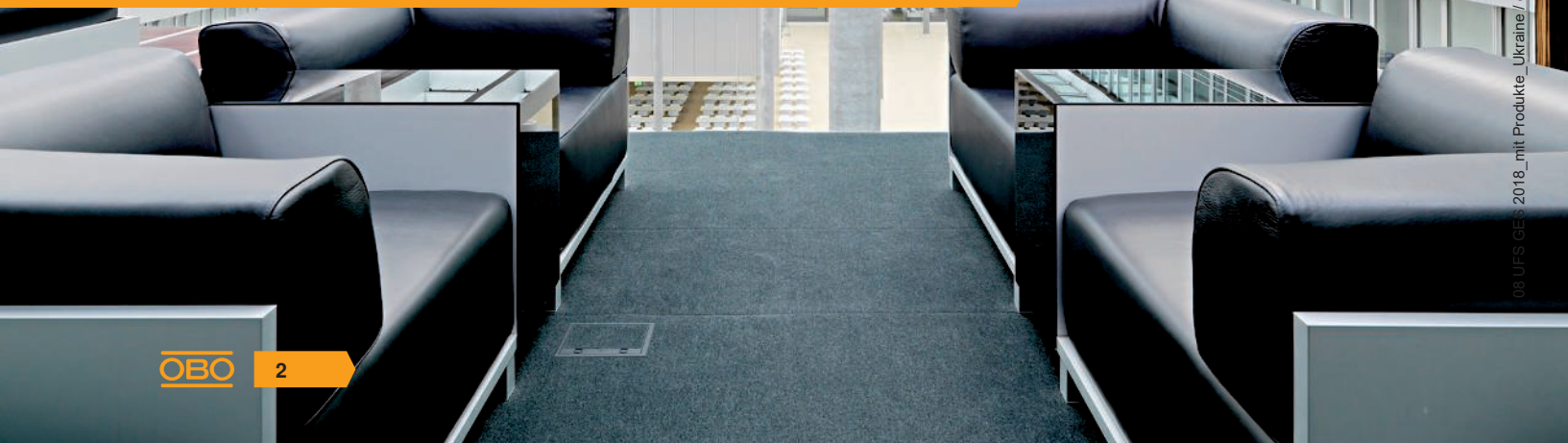
Various colours, shapes and sizes

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.

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3 OBO

That's what we call variety.

Polyamide, stainless steel or aluminium – the selection is broad, not only for the material of the GES service outlets. The system offers solutions for dry and wet-cleaned floor coverings, such as carpet, PVC or linoleum, as well as parquet, laminate, tiles and stone floors. With the colour range of iron grey, graphite black, grey-beige and stainless steel, the service outlets can be inserted discreetly in any floor covering.

Nominal size 2 with handle clamp
External dimension 118 x 194 mm
3 x Modul 45

Nominal size 4 with locking slider
External dimension 222 x 222 mm
6 x Modul 45

Nominal size 4 with handle clamp
External dimension 222 x 222 mm
6 x Modul 45

Nominal size 4, stainless steel, with handle clamp
External dimension 222 x 222 mm
6 x Modul 45

Nominal size 6 with locking slider
External dimension 274 x 221 mm
9 x Modul 45

Nominal size 6 with handle clamp
External dimension 274 x 221 mm
9 x Modul 45

Nominal size 6, stainless steel, with handle clamp
External dimension 274 x 220.5 mm
9 x Modul 45

Nominal size 9 with locking slider
External dimension 264 x 264 mm
12 x Modul 45

Nominal size 9 with handle clamp
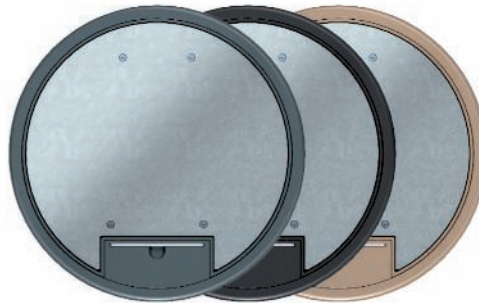External dimension 264 x 264 mm
12 x Modul 45

Nominal size 9, stainless steel, with handle clamp
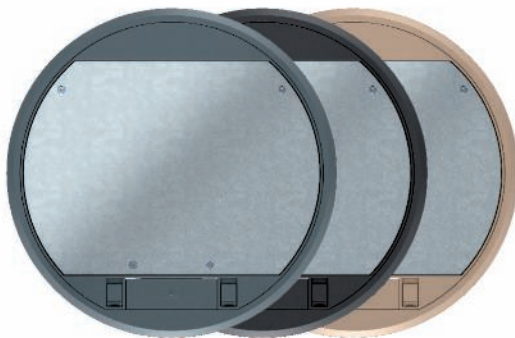External dimension 265 x 265 mm
12 x Modul 45

Nominal size R4 with handle clamp
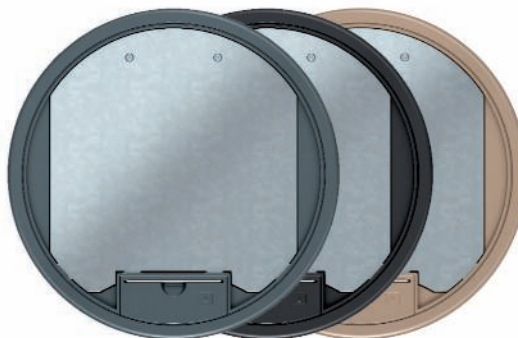External dimension Ø 234 mm
6 x Modul 45

Nominal size R7 with handle clamp
External dimension Ø 294 mm
10 x Modul 45

**Nominal size R7, aluminium,
with handle clamp**
External dimension Ø 294 mm
10 x Modul 45

Nominal size R9 with locking slider
External dimension Ø 324 mm
12 x Modul 45

Nominal size R9 with handle clamp
External dimension Ø 324 mm
12 x Modul 45

**Nominal size R9, aluminium,
with handle clamp**
External dimension Ø 323 mm
12 x Modul 45

Nominal size R9, aluminium
External dimension Ø 325 mm
12 x Modul 45

Nominal size R9, aluminium
External dimension Ø 325 mm
12 x Modul 45

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

5 OBO

Rectangular polyamide service outlets

Trusted quality

The trusted rectangular GES plastic service outlets have been installed millions of times around the world. OBO has continuously developed them and adapted them to changing requirements. Today, they possess countless intelligent details, such as cable routing clips, carpet protection frames, reliable edge protection and a locking lid closure system with automatic lid opening.
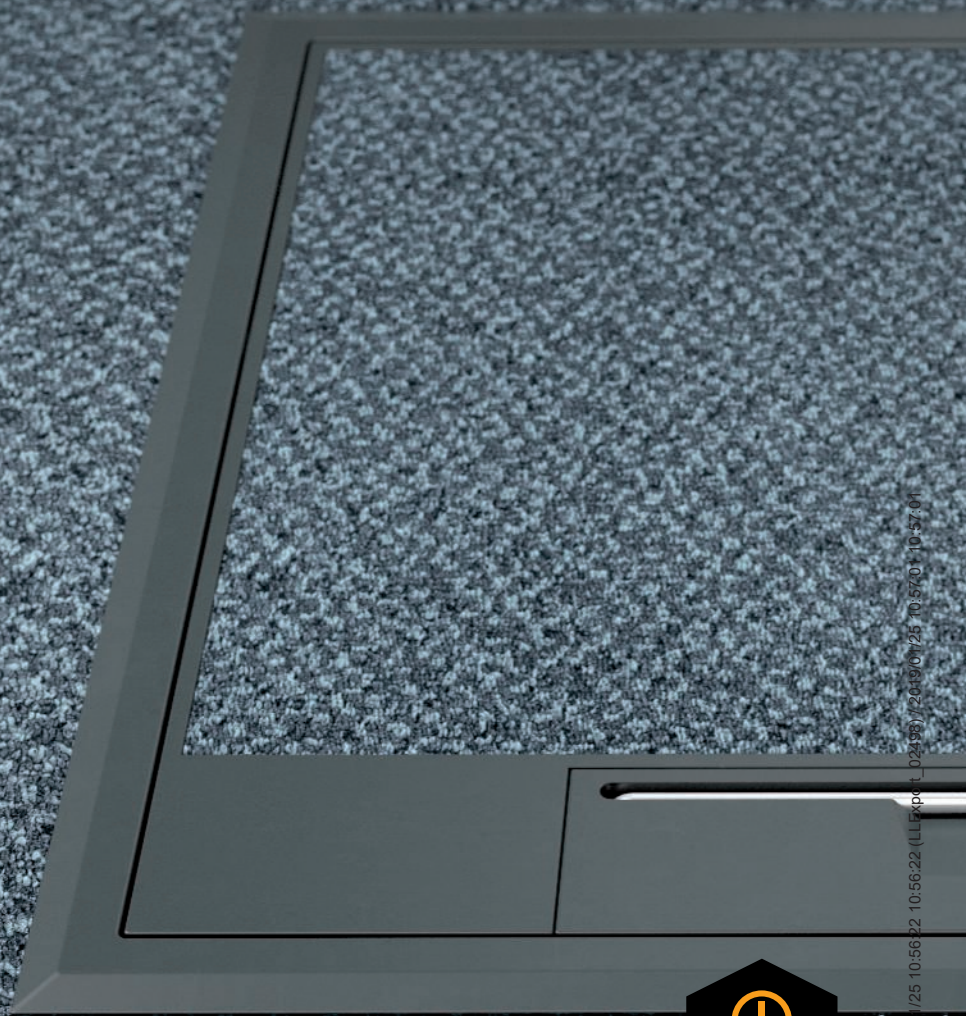
Simple to open

Tried-and-trusted opening mechanism: A handle clamp is integrated in the cord outlet, with which the lid can be opened. Alternatively, service outlets with locking sliders are available.

Equip

The Modul 45 system has established itself as the standard for electrical installations in underfloor systems. The system offers a range of installation solutions for power, data and multimedia technology. It is installed in universal supports and mounting boxes.

⊕

Floor covering depth

⊕

The floor covering recess in the cover can be increased from 5 mm to 10 mm by using the supplied spacer frame.

OBO

Rectangular metal service outlets

Attractive design in stainless steel
The rectangular service outlets with carpet protection frame and hinged covers made of brushed stainless steel stand out through their high-quality design. The installation frame and the solid, 3 mm-thick pressure plate in the lid are made from zinc-plated sheet steel. They provide the necessary stability: Heavy loads are also not a problem.

Swivellable cord outlet

The model has a swivelling stainless steel cord outlet which protects the cable exit in dry and moist-cleaned floors.

Range of variants and installation heights

The unit can be mounted in a minimum installation depth of 80 mm in trunking systems, as well as in raised and cavity floors. In the units of nominal sizes 4, 6 and 9, 6, 9 of 12 Modul 45 devices for power, data or multimedia can be installed.

⊕

Lowerable mounting box

The service outlet for the installation of power, data and multimedia equipment can be lowered by a maximum of 25 mm in the locking ladder.

OBO

Round polyamide service outlets

Lid with locking slider

Slight shifting of the active cover lock is sufficient to make the cover open. It also engages again with slight pressure and stays shut. Alternatively, the classic version with handle clamp is available.

Equip

The round GESR9 service outlet can be equipped with up to 12 Modul 45 devices for power, data and multimedia supply using universal supports of mounting boxes.

⊕
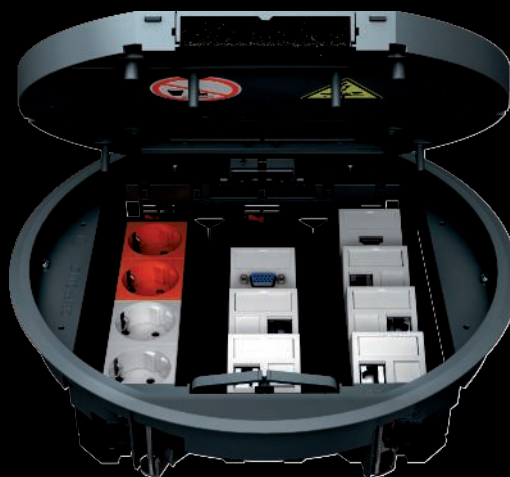
Floor covering depth

The recess for the floor covering in the cover of the outlets can be adjusted in stages to a floor covering depth of between 3 and 12 mm.

⊕

OBO

GRAF9

The solution for wet-cleaned floors: The GRAF9 service outlet is ideally suited for wet-cleaned floors. The GRAF9 is made completely of metal and offers a high load capacity. A variant is available with a ring-shaped structure in the lid surface, along with a variant with a 4 mm floor covering recess in the hinged cover.

High-quality materials

The floor covering protection frame and the hinged cover of the GRAF9 service outlet are made of die-cast aluminium. Its tube body is made from robust die-cast zinc.

Wet care

The GRAF9 service outlet possesses seals in the cover and in the tube body. If the service outlet is opened for cable installation, the 10 mm-high tube body ring protects the electrical installation against the ingress of water. The GRAF9 service outlet with tube body thus fulfils the IP requirements for installation in wet-cleaned floors.

Loads

The service outlet can withstand extreme loads. When installed in a screed box with heavy-duty extension, installation in floor areas with increased load requirements is possible.
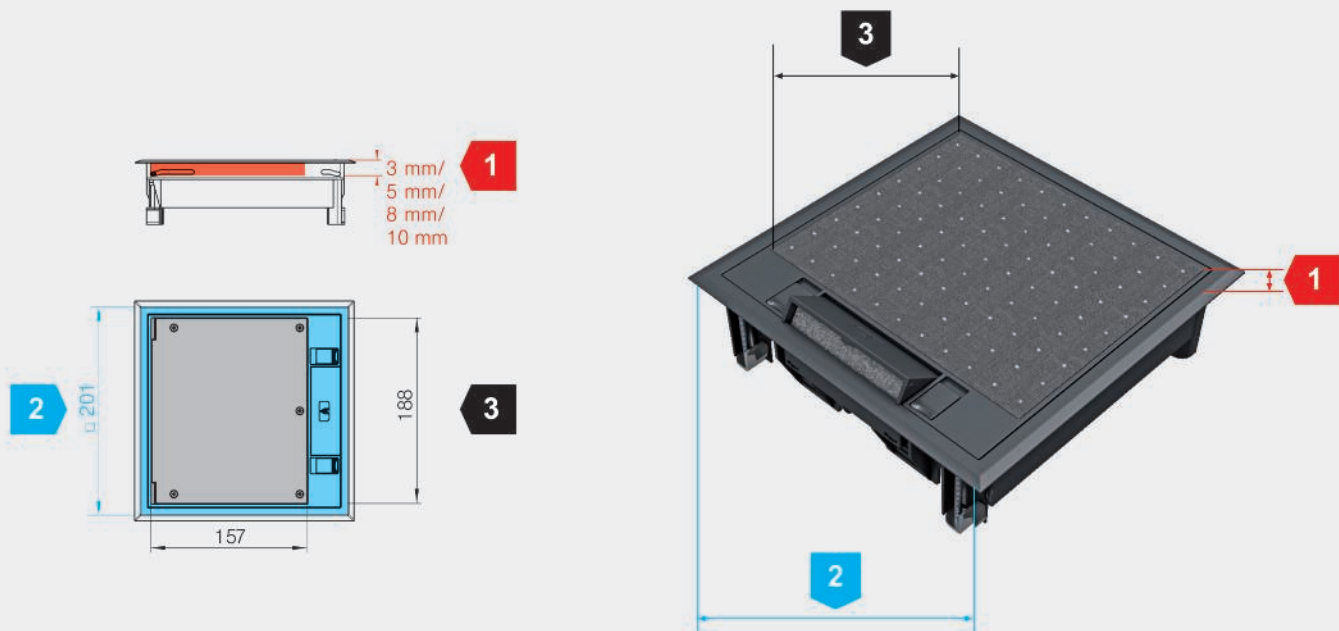For more information, refer to the section on heavy-duty systems.

Practical tube body

The tube body is the cable outlet for wet-cleaned floors. With just a few actions, this can be opened for cable routing and can just as easily be lowered into the cover of the GRAF9 to be flush with the floor.

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Installation and floor cut-out dimensions

Various installation and floor cut-out dimensions must be taken into account for the mounting of service outlets and the application of floor coverings in the device lids.

1

Frame height for the floor covering in the lid (red dimensions)
The frame height data relates to the maximum floor covering thickness, including adhesive. If, in the figure, several heights are specified, then the frame height can be changed during construction: By adding or removing spaces, it is possible to adjusted the desired frame height to the floor covering. In the as-delivered state, the frame height is usually 5 mm.

2

Floor cut-out for the installation of service outlets (blue dimensions)
The dimensions for the floor cut-out should be considered as target dimensions for correct installation of the service outlet in the floor. They are only generally required for the floor cut-out in system floors. When mounting service outlets in the EÜK screed-covered duct system or in the OKA open trunking system, they need not be taken into account, as these systems offer prefabricated mounting lids with matching installation openings.

3

Internal dimension of the lid to determine the floor covering cut-out (black dimensions)

The dimension data relates to the internal dimension of the lid and is used to calculate the floor covering cut-out. Depending on the type of floor covering, appropriate reductions should be taken into account, e.g. for expansion gaps.

4

Minimum floor structure height (raw concrete ceiling to finished floor)

The dimension describes the minimum floor structure height from the raw concrete ceiling to the top edge of the finished floor. It guarantees correct installation and use of installation devices, such as sockets, data and multimedia connections.
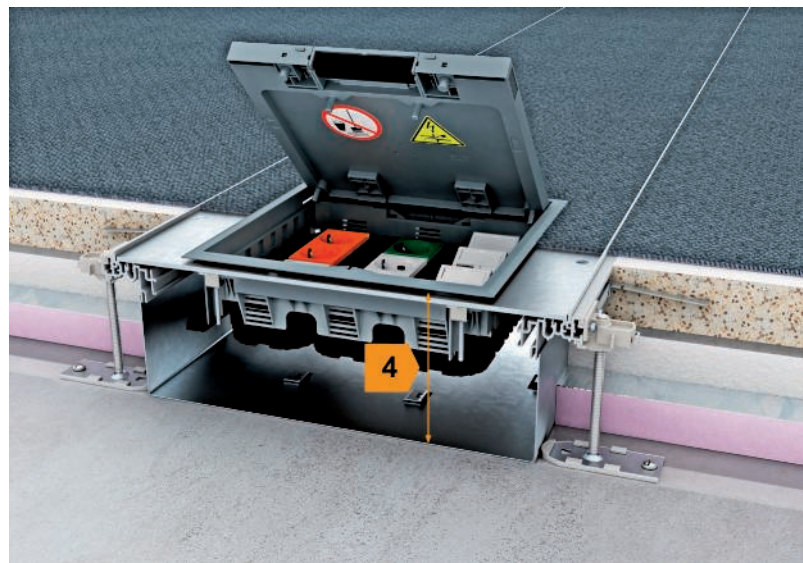

Minimum installation heights

| Service outlet type	Frame height in the lid	Minimum floor structure height
GES2, GES4, GESR4, GESR9SR	5 mm	73 mm
GES4-2, GES6-2, GES9-3B, GES9-3S	5 mm	73 mm
GES4-2, GES6-2, GES9-3B, GES9-3S	10 mm	78 mm
GES6, GESR9	5 mm	73 mm
GESR7, GESRA7, GESRA9, GESR9/10	5 or 10 mm	78 mm
GES4M-2, GES6M-2, GES9M-2	5 or 10 mm	78 mm
GESR9-2	5 or 10 mm	76 mm
GRAF9	-	80 mm

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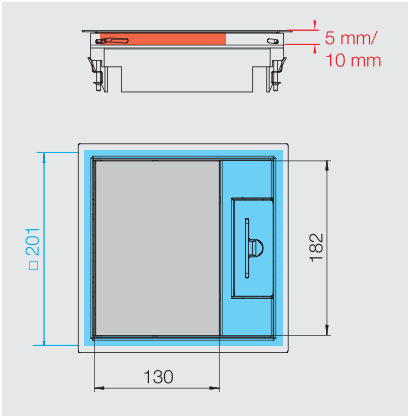# System measurements service outlets, rectangular
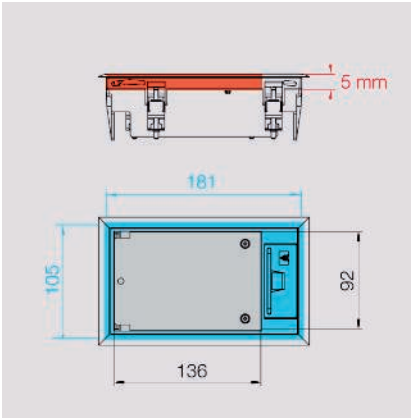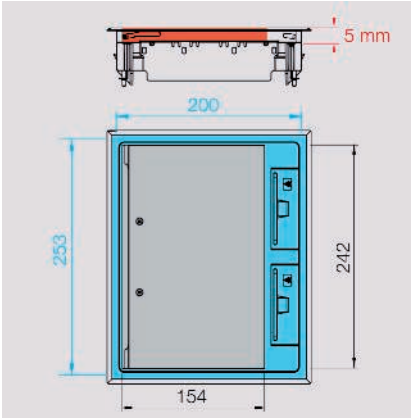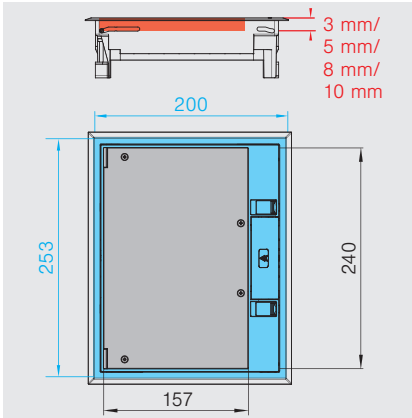
Nominal size 2, type GES2
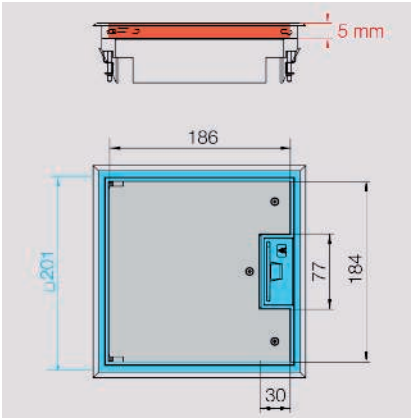
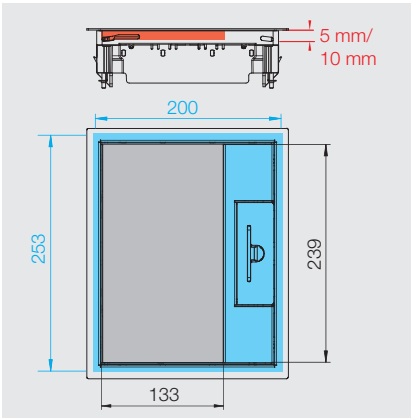Nominal size 4, type GES4
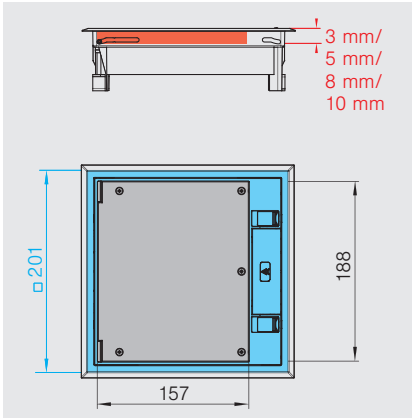
Nominal size 4, type GES4-2
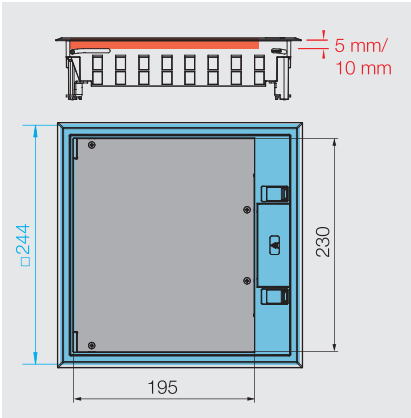
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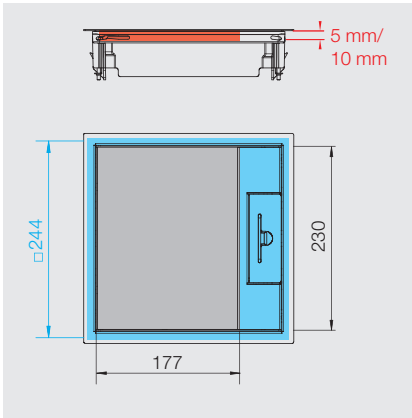
Nominal size 6, type GES6

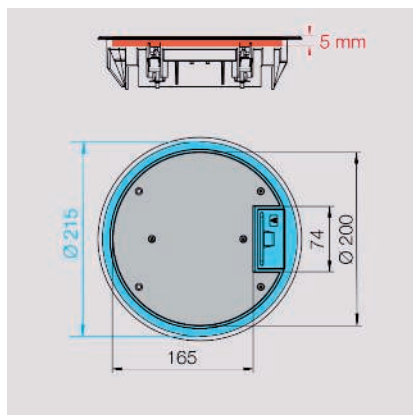Nominal size 6, type GES6-2

Nominal size 6, type GES6M-2

Nominal size 9, type GES9-3S and GES9-3B

Nominal size 9, type GES9M-2

System measurements service outlets, round

Nominal size R4, type GESR4
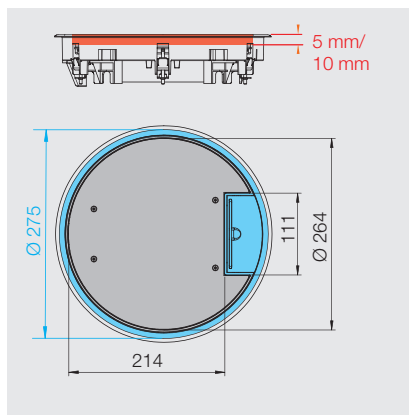
Nominal size R7, type GESR7
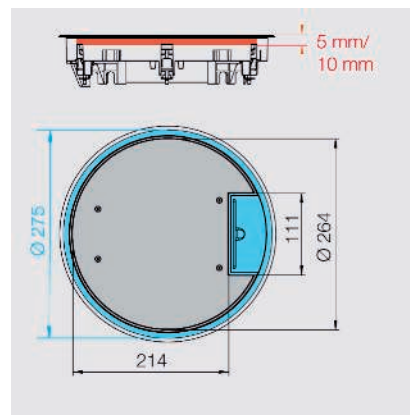
Nominal size R7, type GESRA7
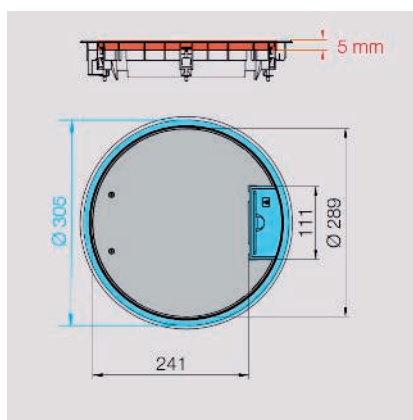
Nominal size R9, type GESR9
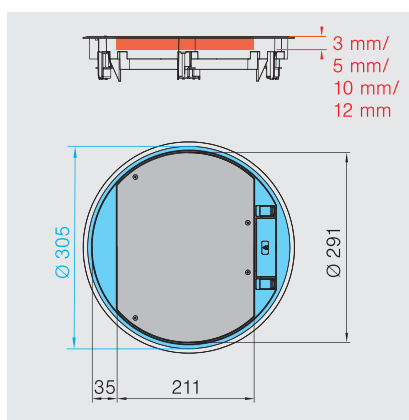
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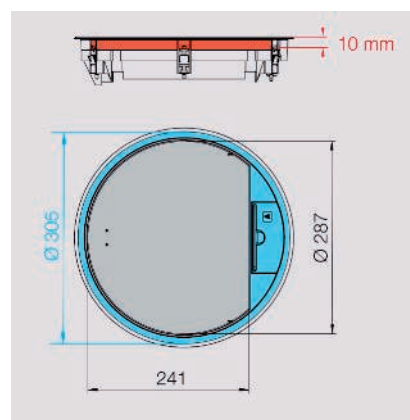
Nominal size R9, type GESRA9
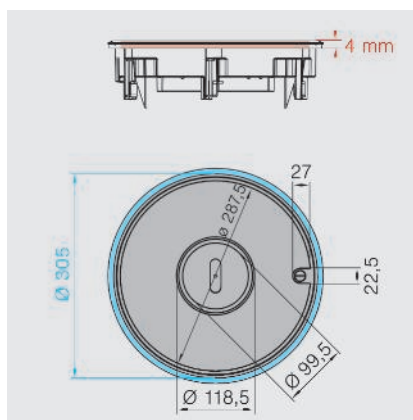
Nominal size R9, type GRAF9-2 BA

Nominal size R9, type GRAF9-2

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

17   OBO
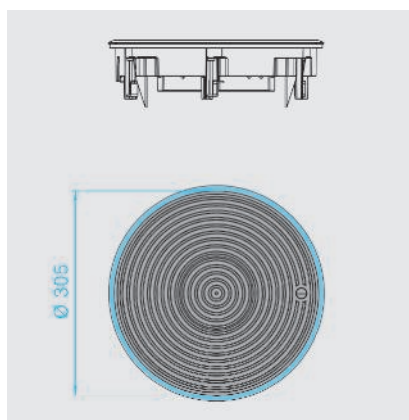
Installation principle, rectangular and round service outlet

System components

1	Service outlet, rectangular
2	Service outlet, round
3	Universal support
4	Cover plates
5	Mounting support

Installation principle, wet-cleaned service outlet

System components

1	Underfloor junction and branch box
2	Heavy-duty lid support
3	Mounting lid
4	Heavy-duty mounting lid
5	GRAF9-2 service outlet
6	Universal support
7	Cover plate
8	Mounting support
9	Module support with protective housing
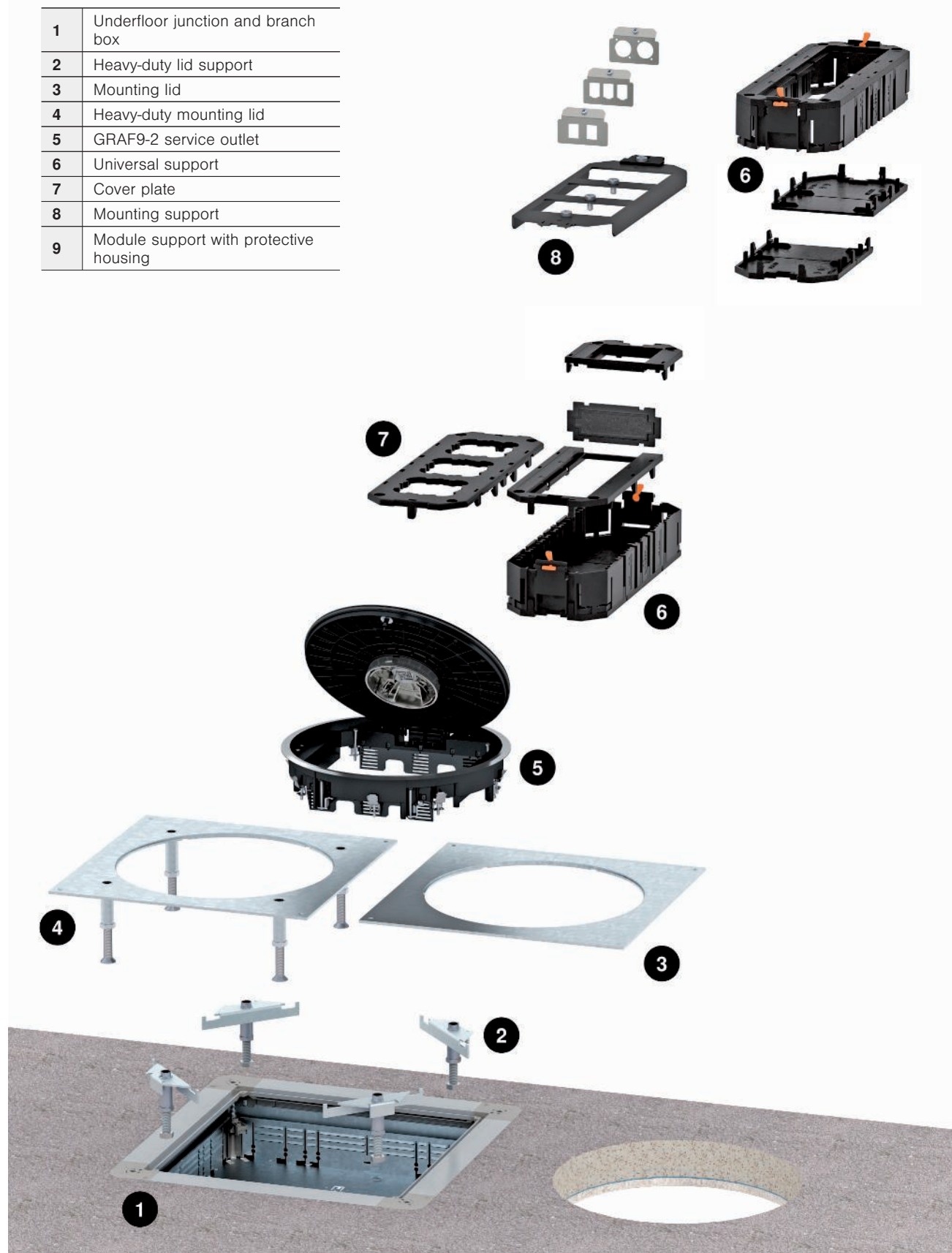
Standard data

To DIN EN 50085-1 and DIN EN 50085-2-2

Class		Service outlets type GES	GRAF9 service outlet
6.2	According to impact resistance for installation and application		
6.2.4	Electrical installation duct systems for impact energy 5 J	5 J	5 J
6.3	According to temperatures, as specified in Tables 1, 2 and 3		
Table 1	Minimum storage and transport temperature ± 2 °C	−15 °C	−15 °C
Table 2	Minimum installation and application temperatures ± 2 °C	+5 °C	+5 °C
Table 3	Application temperatures ± 2 °C	+60 °C	+60 °C
6.4	According to the resistance against fire spread		
6.4.1	Electrical installation duct systems which permit the spread of fire	x	x
6.5	According to the electrical conductivity		
6.5.1	Electrical installation duct systems with electrical conductivity	x[1]	x
6.5.2	Electrical installation duct systems without electrical conductivity	x[2]	
6.6	According to the electrical insulation property		
6.6.1	Electrical installation duct systems with electrical insulation capability	x[2]	
6.6.2	Electrical installation duct systems without electrical insulation capability	x[1]	x
6.7	According to the protection ratings offered by the housing or casing to EN 60529:1991		
6.7.1	According to protection against ingress of solid foreign bodies	x	x
6.7.3	According to protection against contact with dangerous parts	x	x
6.101	Depending on the type of floor care		
6.101.1	Electrical installation duct systems for dry floor cleaning	x	
6.101.2	Electrical installation duct systems for wet floor cleaning when the service outlet is not in use		x
6.101.3	Electrical installation duct systems for wet floor cleaning when the service outlet is in use		x
6.102	According to resistance to vertical loads affecting a small surface area		
6.102.5	Electrical installation duct systems for 2,000 N	x[2]	
6.102.7	Electrical installation duct systems for 3,000 N	x[1]	x
6.103	According to resistance to vertical loads affecting a large surface area		
6.103.2	Electrical installation duct systems for 3,000 N	x[2]	
6.103.3	Electrical installation duct systems for 5,000 N	x[1]	
6.103.4	Electrical installation duct systems for 10,000 N		x

[1]Applies to metallic GES, [2] pplies to polyamide GES

Planning checklist

When selecting underfloor systems with service outlets, the following planning criteria, amongst others, should be taken into account:

✔ Take the type of floor covering into account. With wet-cleaned floors, insert a service outlet with tube body

✔ Select the size of the service outlet according to the number of installation units

✔ Observe the minimum installation depth for the installation of sockets and data/multimedia connections

✔ Plastic service outlets are designed for normal loads in office and administration buildings. At increased load requirements, use metallic service outlets

✔ Apply the floor covering in the service outlet lid taking height-adjustment and expansion joints into account

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GES service outlets

Service outlets supply workstations and other areas in the centre of the room with power and data connections via the floor. There are versions for dry and wet-cleaned floors. Service outlets are suitable for installation in screed-flush and screed-covered underfloor systems, as well as in system floors.

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GES service outlets

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

23 OBO

GES service outlet, rectangular

Service outlets supply workstations and other areas in the centre of the room with power and data connections via the floor. Service outlets are suitable for installation in screed-flush and screed-covered underfloor systems.

- Universal service outlet for all systems
- Suitable for dry-cleaned floors
- Available in plastic and stainless steel

- Lid available with locking slider or handle clamp
- Adjustable for different covering thicknesses

Nominal size 2

- 3x Modul 45
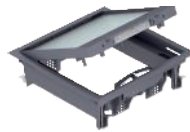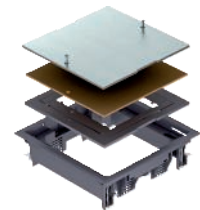
GES2

Nominal size 4

- 6x Modul 45

GES4   GES4M   ZES4
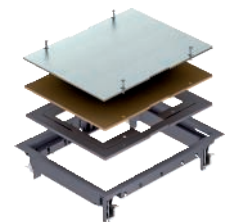
Nominal size 6

- 9x Modul 45

GES6   GES6M   ZES6

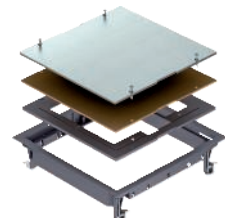## Nominal size 9

- 12 x Modul 45

GES9   GES9M   ZES9

GES2 service outlet with handle clamp
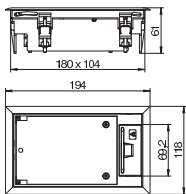
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES2 U 7011	Iron grey	5	1	61.300	**7405116**
GES2 U 9011	Graphite black	5	1	61.300	**7405120**
GES2 U 1019	Grey-beige	5	1	61.300	**7405124**

PA Polyamide

Service outlet with handle clamp for up to 3 individual Modul 45 devices in one UT3 universal support, use in duct systems and system floors.

Up to 2 installation devices with 50 mm central plate can be inserted.

GES2DB service outlet with handle clamp
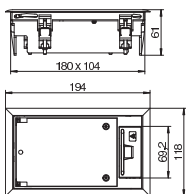
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES2 DB 7011	Iron grey	5	1	66.400	**7405100**
GES2 DB 9011	Graphite black	5	1	66.400	**7405104**
GES2 DB 1019	Grey-beige	5	1	66.400	**7405108**

PA Polyamide

Service outlet with handle clamp for up to 3 individual Modul 45 devices in one UT3 universal support, use in duct systems and system floors.

Up to 2 installation devices with 50 mm central plate can be inserted.

GES4 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES4 U 7011	Iron grey	5	1	139.500	7405196
GES4 U 9011	Graphite black	5	1	139.500	7405200
GES4 U 1019	Grey-beige	5	1	139.500	7405204

PA Polyamide

Service outlet with handle clamp for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.

Up to 4 installation devices with 50 mm central plate can be inserted.
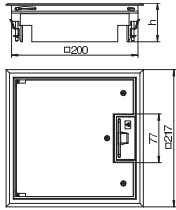
GES4 service outlet with locking slider

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES4-2U10T 7011	Iron grey	10	1	114.000	7405145
GES4-2U10T 9011	Graphite black	10	1	124.000	7405146
GES4-2U10T 1019	Grey-beige	10	1	124.000	7405147

PA Polyamide

Service outlet with locking slider for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 3, 8 or 10 mm.
Up to 4 installation devices with 50 mm central plate can be inserted.
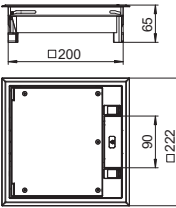
## GES4M-2 service outlet with handle clamp

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES4M-2 10U	V2A	10	1	260.000	7405191

V2A Stainless steel, grade 304

Service outlet with handle clamp for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.
Locking ladder made of galvanised sheet steel.

Up to 4 installation devices with 50 mm central plate can be inserted.
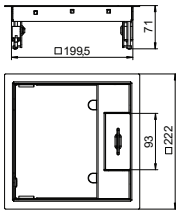
ZES4 inspection cover

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZES4-2 U10T 7011	Iron grey	10	1	158.000	7406701
ZES4-2 U10T 9011	Graphite black	10	1	158.000	7406702
ZES4-2 U10T 1019	Grey-beige	10	1	158.000	7406703

PA Polyamide

Draw box insert for blanking locking of a square mounting opening of nominal size 4 in trunking systems and system floors.
Floor covering recess is set to 5 mm on delivery, if necessary adjustable to 3, 8 or 10 mm.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

27 OBO

GES6 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6 U 7011	Iron grey	5	1	157.500	7405308
GES6 U 9011	Graphite black	5	1	150.000	7405312
GES6 U 1019	Grey-beige	5	1	150.000	7405316

PA Polyamide

Service outlet with handle clamp for up to 9 individual Modul 45 devices in three UT3 universal supports, use in trunking systems and system floors.

Separate fastening brackets must be ordered for raised floor mounting.
Up to 6 installation devices with 50 mm central plate can be inserted.

GES6 service outlet with locking slider
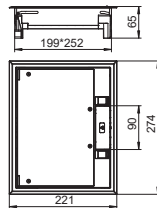
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6-2U10T 7011	Iron grey	10	1	138.000	7405321
GES6-2U10T 9011	Graphite black	10	1	138.000	7405322
GES6-2U10T 1019	Grey-beige	10	1	138.000	7405323

PA Polyamide

Service outlet with locking slider for up to 9 individual Modul 45 devices in 3 UT3 universal supports, use in duct systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 3, 8 or 10 mm.

Up to 6 installation devices with 50 mm central plate can be inserted.

GES6M-2 service outlet with handle clamp

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6M-2 10U	V2A	10	1	320.000	7405299

V2A Stainless steel, grade 304

Service outlet with handle clamp for up to 9 individual Modul 45 devices in 3 UT3 universal supports, use in trunking systems and system floors.
Locking ladder made of galvanised sheet steel.
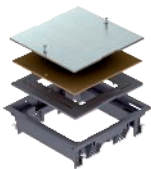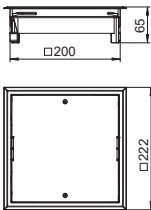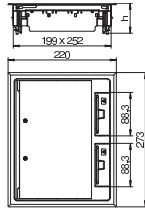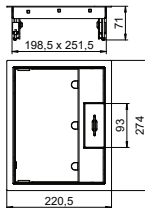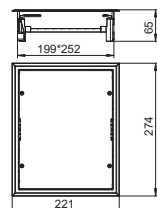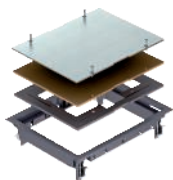Up to 6 installation devices with 50 mm central plate can be inserted.

ZES6 inspection cover

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZES6-2 U10T 7011	Iron grey	10	1	150.000	7406749
ZES6-2 U10T 9011	Graphite black	10	1	150.000	7406750
ZES6-2 U10T 1019	Grey-beige	10	1	150.000	7406751

PA Polyamide

Junction box insert for blank closing of a rectangular mounting opening of nominal size 6 in an underfloor duct or trunking system or in raised floor. Polyamide floor covering profile.
Recess is 5 mm, if necessary, adjustable to 3, 8 or 10 mm.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

OBO 28

GES6 universal service unit

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6 7011 OR	Iron grey	5	1	153.200	**7405259**

PA Polyamide

Service unit without locking ladder for use in raised floors. Fastening bracket in a clamping range of up to 50 mm plate thickness.
Carpet protection frame, hinged lid and cord outlet made of polyamide.
5 mm floor covering recess in the hinged lid.

Up to 9 individual Modul 45 devices can be installed.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01 10:57:01

29

OBO

GES9-3B service outlet with handle clamp
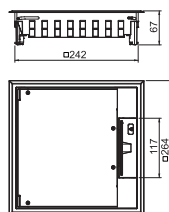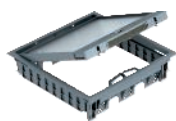
Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
GES9-3B U 7011	Iron grey		1	205.000	7405077
GES9-3B U 9011	Graphite black		1	205.000	7405079
GES9-3B U 1019	Grey-beige		1	205.000	7405081

PC/ABS Polycarbonate/Acrylnitrile-butadiene-styrene

Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in trunking systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 10 mm.
Up to 9 installation devices with 50 mm central plate can be inserted.

GES9-3S service outlet with locking slider
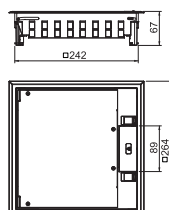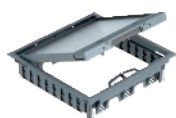
Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
GES9-3S U 7011	Iron grey		1	199.500	7405083
GES9-3S U 9011	Graphite black		1	199.500	7405085
GES9-3S U 1019	Grey-beige		1	199.500	7405087

PC/ABS Polycarbonate/Acrylnitrile-butadiene-styrene

Service outlet with locking slider for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 10 mm.
Up to 9 installation devices with 50 mm central plate can be inserted.

GES9M-2 service outlet with handle clamp
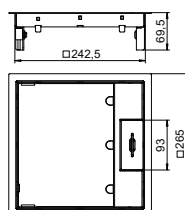
Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES9M-2 10U	V2A	10	1	360.000	7405371

V2A Stainless steel, grade 304

Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.
Locking ladder made of galvanised sheet steel
Up to 9 installation devices with 50 mm central plate can be inserted.

ZES9 inspection cover
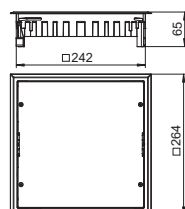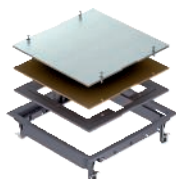
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZES9-2 U10T 7011	Iron grey	10	1	206.300	7406672
ZES9-2 U10T 9011	Graphite black	10	1	206.300	7406674
ZES9-2 U10T 1019	Grey-beige	10	1	206.300	7406676

PA Polyamide

Junction box insert for blank closing of a square mounting opening of nominal size 9 in an underfloor duct or trunking system or in raised floor. Polyamide floor covering profile.
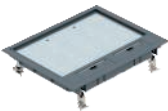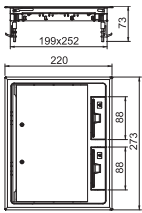Recess is 5 mm, if necessary, adjustable to 3, 8 or 10 mm.

OBO
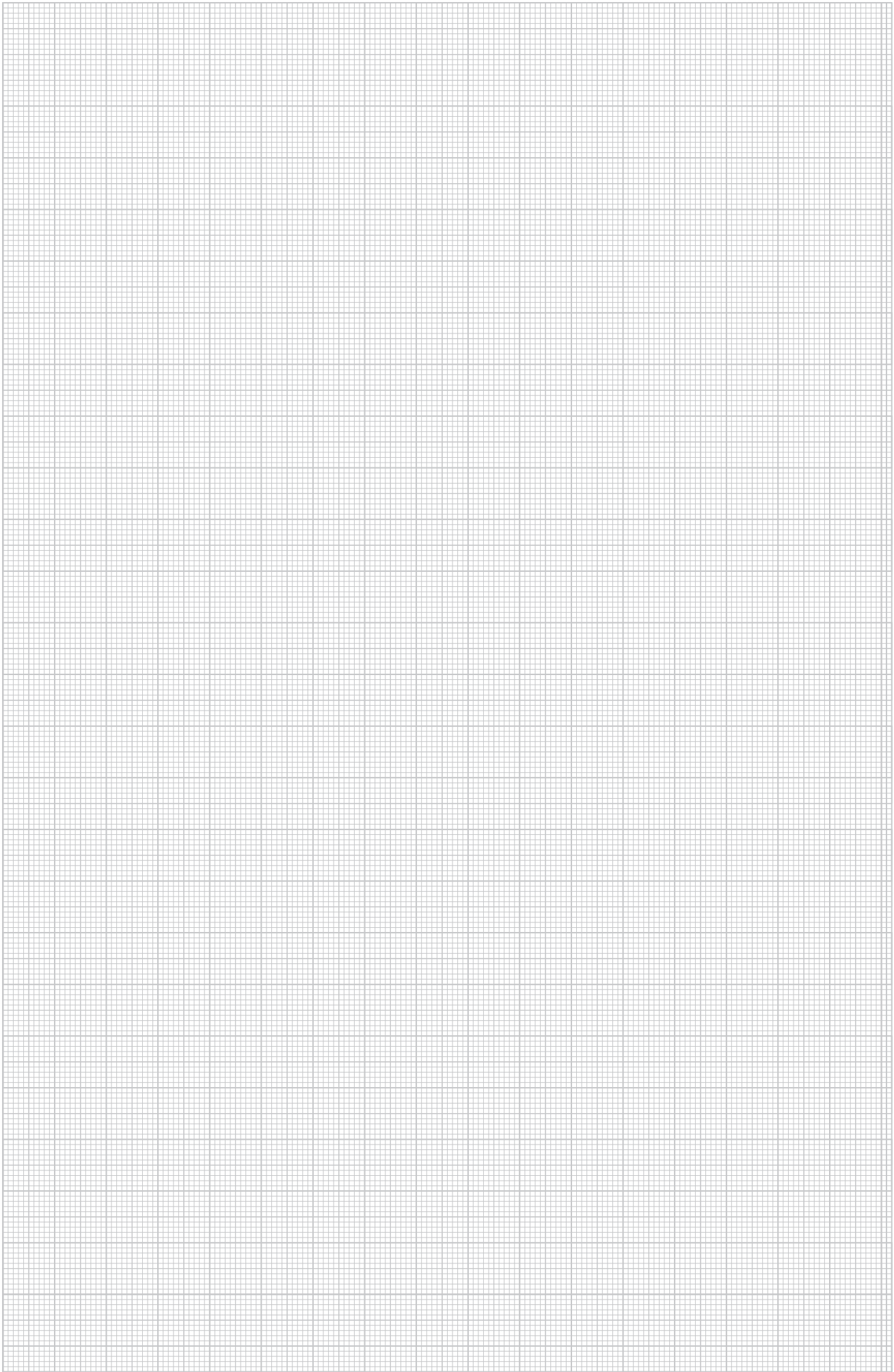
GES service outlets, round

Service outlets supply workstations and other areas in the centre of the room with power and data connections via the floor. There are versions for dry and wet-cleaned floors. Service outlets are suitable for installation in screed-flush and screed-covered underfloor systems.

- Universal service outlet for all systems
- Suitable for dry or wet-cleaned floors
- Adjustable for different covering thicknesses

- GESR7 and GESR9 available in aluminium or plastic
- GRAF9 suitable for wet cleaning and high load requirements of up to 7.5 kN
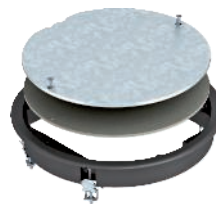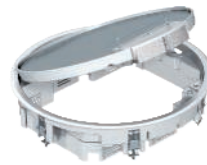
Nominal size R4

• 6x Modul 45

GESR4   ZESR4

Nominal size R7

• 10 x Modul 45
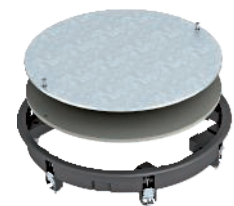
GESR7   GESRA7   ZESR7

Nominal size R9

• 12 x Modul 45

GESR9   GESRA9   ZESR9

GRAF9

GESR4 service outlet with handle clamp
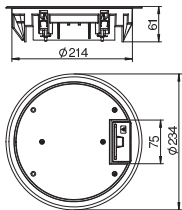
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR4 U 7011	Iron grey	5	1	140.000	**7405436**
GESR4 U 9011	Graphite black	5	1	140.000	**7405440**
GESR4 U 1019	Grey-beige	5	1	140.000	**7405444**

PA Polyamide

Service outlet with handle clamp for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.

Up to 4 installation devices with 50 mm central plate can be inserted.

ZESR4 inspection cover
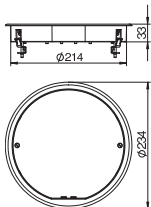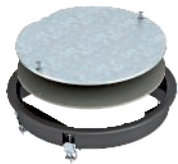
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZESR4 U 7011	Iron grey	5	1	140.000	**7406772**
ZESR4 U 9011	Graphite black	5	1	140.000	**7406776**
ZESR4 U 1019	Grey-beige	5	1	140.000	**7406780**

PA Polyamide

Draw box insert for blanking locking of a square round mounting opening of nominal size R4 in trunking systems and system floors.

GESR7 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR7 10U 7011	Iron grey	10	1	238.200	**7405452**
GESR7 10U 9011	Graphite black	10	1	250.500	**7405456**
GESR7 10U 1019	Grey-beige	10	1	250.500	**7405460**

PA Polyamide

Service outlet with handle clamp for up to 10 individual Modul 45 devices in 2 UT3 and one UT4 universal support, use in duct systems and system floors.

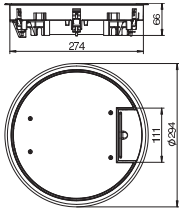Up to 7 installation devices with 50 mm central plate can be inserted.

GESRA7/10 service outlet with handle clamp

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESRA7 10U	AIG	10	1	206.500	**7405544**

AIG Cast aluminium

Service outlet with handle clamp for up to 10 individual Modul 45 devices in 2 UT3 and one UT4 universal support, use in duct systems and system floors.
Cord outlet made from polyamide RAL 9011.
10 mm floor covering recess in hinged cover can be reduced to 5 mm using enclosed pressboard filler.
Up to 7 installation devices with 50 mm central plate can be inserted.
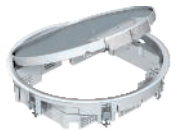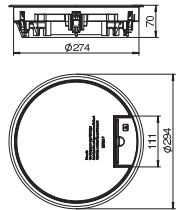
ZESR7 inspection cover

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZESR7 10U 7011	Iron grey	10	1	225.800	**7406788**
ZESR7 10U 9011	Graphite black	10	1	225.800	**7406792**
ZESR7 10U 1019	Grey-beige	10	1	225.800	**7406796**

PA Polyamide

Junction box insert for blank closing of a round mounting opening of nominal size R7 in trunking systems and in raised and cavity floors. With universal fixing bracket.
Polyamide carpet protection frame.
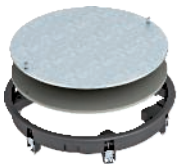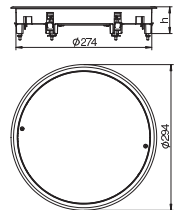
ZESRA7 inspection cover

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZESRA7 10U	AIG	10	1	225.800	**7406824**

AIG Cast aluminium

Junction box insert for blank closing of a round mounting opening of nominal size R7 in trunking systems and in raised and cavity floors. With universal fixing bracket.
Carpet protection frame made of die-cast aluminium.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

35 OBO

GESR9 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR9 U 7011	Iron grey	5	1	232.000	**7405528**
GESR9 U 9011	Graphite black	5	1	232.000	**7405532**
GESR9 U 1019	Grey-beige	5	1	232.000	**7405536**

PA Polyamide

Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.

Also to be used in conjunction with the MT mounting support. The number of installable accessories depends on the type of accessories.

Up to 9 installation devices with 50 mm central plate can be inserted.

GESR9 service outlet with locking slider

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR9-2U12T 7011	Iron grey	12	1	244.000	**7405465**
GESR9-2U12T 9011	Graphite black	12	1	244.000	**7405466**
GESR9-2U12T 1019	Grey-beige	12	1	244.000	**7405467**

PA Polyamide

Service outlet with locking slider for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.
5 mm floor covering recess in the hinged cover, if necessary, adjustable to 3, 10 or 12 mm.

Up to 9 installation devices with 50 mm central plate can be inserted.

GESRA9/10 service outlet with handle clamp
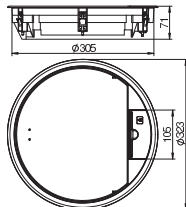
Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESRA9 10U	AIG	10	1	120.500	**7405580**

AIG Cast aluminium

Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.

Service outlet with handle clamp, 3-compartment, for the installation of MT9 mounting support.
Three type APMT5 cover plates can be installed.

Up to 9 installation devices with 50 mm central plate can be inserted.

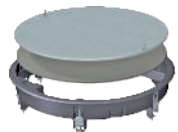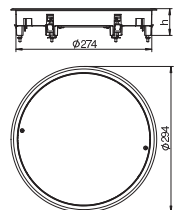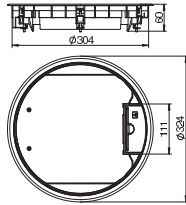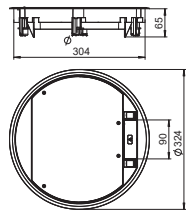## ZESR9 inspection cover
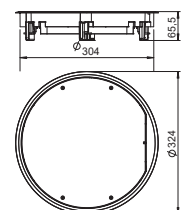
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZESR9-2 U12T7011	Iron grey	12	1	298.000	**7406805**
ZESR9-2 U12T9011	Graphite black	12	1	298.000	**7406806**
ZESR9-2 U12T1019	Grey-beige	12	1	298.000	**7406807**

PA Polyamide

Junction box insert for blank closing of a round mounting opening of nominal size R9 in trunking systems and in raised and cavity floors. With universal fixing bracket.
Polyamide carpet protection frame.
Floor covering recess 12 mm.

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR9 10U 1019	Grey-beige	10	1	249.400	**7405482**

PA Polyamide

Service unit with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.

Also to be used in conjunction with the MT mounting support. The number of installable accessories depends on the type of accessories.

Up to 9 installation devices with 50 mm central plate can be inserted.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

37
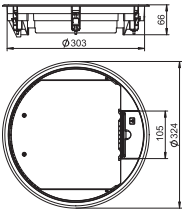
GRAF9 universal service outlet, wet-care with structured lid

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GRAF9-2 U 7011	Iron grey	1	246.000	**7405746**
GRAF9-2 U 9011	Graphite black	1	246.000	**7405750**
GRAF9-2 U 1019	Grey-beige	1	246.000	**7405754**

AIG Cast aluminium

Service outlet with tube body for wet-cleaned floors for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.
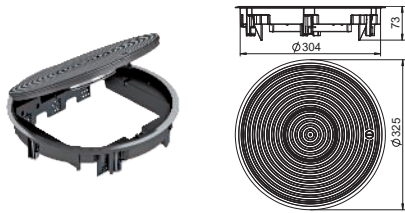
Up to 9 installation devices with 50 mm central plate can be inserted.

Service outlet GRAF9-2 BA3
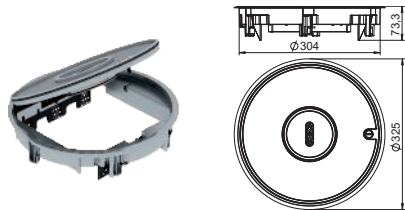
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GRAF9-2 BA3	—	1	258.000	**7405743**

AIG Cast aluminium

Service outlet with tube body for wet-cleaned floors for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.
Surface: Aluminium, polished.

Up to 9 installation devices with 50 mm central plate can be inserted.
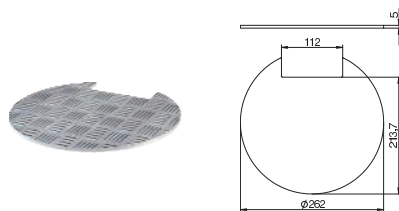
Filler for round service outlet GESR7 10U
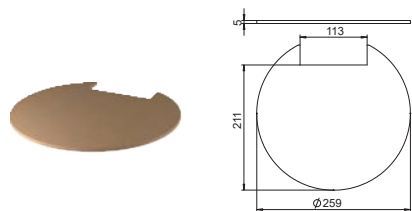
Type	Material symbol		Pack. pcs	Weight kg/100 pcs.	Item No.
FS R7 10 5	HP		1	21.500	**7407208**

HP Hard cardboard

Filler to reduce the floor covering recess in the hinged cover of a GESR(A)7/10 service outlet to 5 mm. One-sided coating with double-sided adhesive surface.

Inlay plate for round service outlet GESR7 10U

Type	Material symbol		Pack. pcs	Weight kg/100 pcs.	Item No.
EP QR R7	Alu		1	50.000	**7407184**

Alu Aluminium

Inlay plate for surface-flush insertion in service outlets. Surface with quintet checker plate structure. Use in service outlet with 10 mm floor covering recess only in conjunction with the appropriate filler.

Filler for round service outlet GESRA9 10U

Type	Material symbol		Pack. pcs	Weight kg/100 pcs.	Item No.
FS RA9 10 5	HP		1	23.500	**7407216**

HP Hard cardboard

Filler to reduce the floor covering recess in the hinged cover of a GESRA9/10 service outlet to 5 mm. One-sided coating with double-sided adhesive surface.

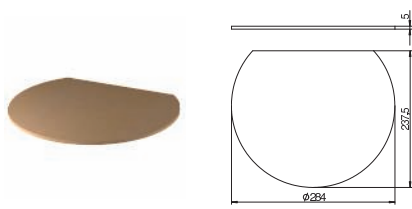## Inlay plate for round service outlet GESRA9 10U
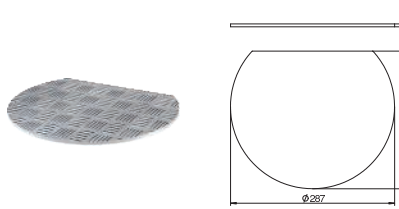
Type	Material symbol		Pack. pcs	Weight kg/100 pcs.	Item No.
EP QR RA9 10	Alu		1	78.300	**7407196**

Alu Aluminium

Inlay plate for surface-flush insertion in service outlets. Surface with quintet checker plate structure. Use only in conjunction with the appropriate filler.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

39 OBO

Underfloor box UGE2 for installation pipe and metal duct
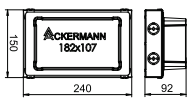
Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UGE 2C	70 - 90	1	74.100	7428062

St Steel
FS Strip-galvanised

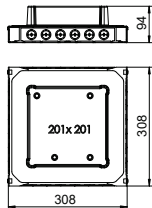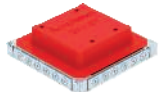Underfloor outlet box with fixed, unchangeable 106 x 182 mm installation opening for an installation unit of nominal size 2. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box has two openings for M20 conduit on the narrow sides. The underfloor box is suitable for screed floor constructions with height 70 mm up to 90 mm.
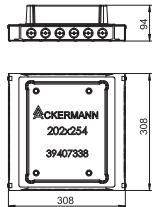
Underfloor box UDS4 for installation pipe and metal duct

Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 4	65 - 90	1	277.400	7400349

St Steel
FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 201 x 201 mm installation opening for an installation unit of nominal size 4. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UDS6 for installation pipe and metal duct

Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 6	65 - 90	1	232.000	7400351

St Steel
FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 202 x 254 mm installation opening for an installation unit of nominal size 6. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UDS9 for installation pipe and metal duct
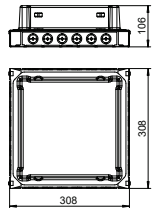
Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 9	65 - 100	1	226.000	7400353

St Steel
FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 244 x 244 mm installation opening for an installation unit of nominal size 9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UDSR4 for installation pipe and metal duct

Type	Dimen-sion d Ø mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 R4	215	65 - 90	1	224.500	**7400355**

St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable installation opening of Ø 215 mm for an installation unit of nominal size R4. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.
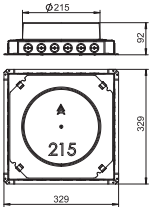
Underfloor box UDSR9 for installation pipe and metal duct

Type	Dimen-sion d Ø mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 R9	305	65 - 95	1	229.000	**7400359**

St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable installation opening of Ø 305 mm for an installation unit of nominal size R9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 95 mm.
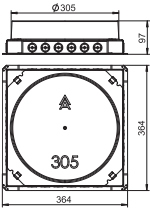
08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

41 OBO

Universal support UT3, system length 165 mm
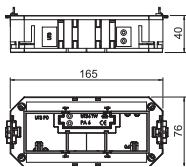
Type	Length mm	Installation technology	Width mm	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UT3 45 3	165	Grid M45	76	40	1	10.600	**7408723**

PA Polyamide

Universal support with two strain reliefs, mounting bridge, partition and UT3 P3 cover plate for installation of 3 Modul 45 devices in device installation units of nominal sizes 2, R4, 4, 6 and R7.

## Universal support UT4, system length 208 mm
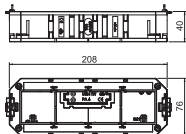
Type	Length mm	Width mm	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UT4 45 4	208	76	40	1	13.500	**7408727**

PA Polyamide

Universal support with two strain reliefs, mounting bridges, partition and UT4 P4 cover plate for installation of 4 Modul 45 devices in device installation units of nominal sizes R7, R9 and 9.

Blanking cover for Modul 45® installation opening
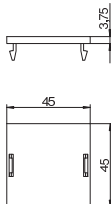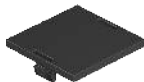
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
LP 45	10	0.500	**7407584**

PA Polyamide

Blanking cover for closing off a square Modul 45 mounting opening in a mounting box cover plate.

Service outlet, square, for screed height 55 mm

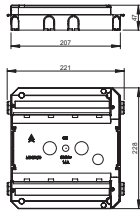| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES9 55U V 7011	Iron grey	1	206.700	**7405037**

PA Polyamide

GES9 service outlet with a fixed construction height of 55 mm. With two fitted plug housings for vertical mounting of Modul 45 devices and four strain reliefs. Two installation frames are required to mount Modul 45 devices.
The data modules are mounted using a maximum of two optional mounting plates MPMT45.
The service outlet is equipped with universal fastening brackets.
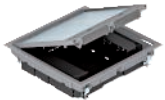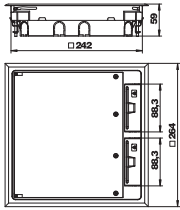
Module support for vertical installation Modul 45® devices

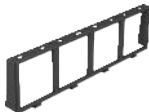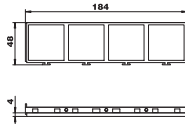| Type		Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 0		1	29.000	**7408698**

PA Polyamide

Module support for the installation of up to eight Modul 45 devices in an empty standard service outlet or an empty height-adjustable cassette of nominal size 9 or R9. The module support is locked into the locking ladder.

Installation frame for four single Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 4	PC/ABS	5	1.200	**7408670**

PC/ABS Polycarbonate/Acrylnitrile-butadiene-styrene

For the installation of 4 individual Modul 45 devices for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets (normal installation position, contact openings on right and left) and their use in conjunction with straight connectors (not angled connectors).

Installation frame for three single Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 3	PC/ABS	5	1.400	**7408672**

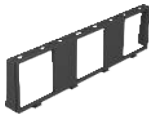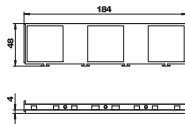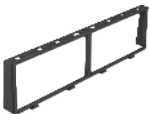PC/ABS Polycarbonate/Acrylnitrile-butadiene-styrene

For the installation of 3 individual Modul 45 devices for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets (mounting direction turned through 90°, contact openings at top and bottom) and their use in conjunction with angled and straight connectors.

Installation frame for combination of 2x and 2x Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 2+2	PC/ABS	5	0.900	**7408682**

PC/ABS Polycarbonate/Acrylnitrile-butadiene-styrene

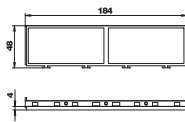For the installation of a combination of 2x and 2x Modul 45 socket for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets for straight connectors (not angled connectors).

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

43

OBO

Socket 0°, protective contact, single
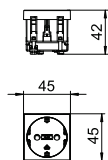
Type	STD-D0 RW1	STD-D0 ROR1	STD-D0 MZGN1	STD-D0 SRO1	STD-D0 SWGR1	STD-D0 AL1
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	4.200	4.200	4.200	4.200	4.200	4.200
Item No.	6120008	6120010	6120012	6120014	6120016	6120018

PC Polycarbonate

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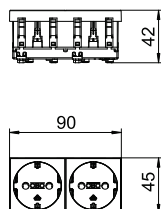
Socket 0°, protective contact, double

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D0 RW2	Pure white	1	8.000	6120022

PC Polycarbonate

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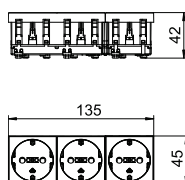
Socket 0°, protective contact, triple

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D0 RW3	Pure white	1	12.200	6120042

PC Polycarbonate

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

Encoding pin

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
CST-STD K	Black-grey	10	0.200	6120797

PC Polycarbonate

Encoding pin as socket attachment for the use of encoded sockets, type STD.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01 10:57:01

OBO 44

Socket 33°, protective contact, single

Type	STD-D3 RW1	STD-D3 ROR1	STD-D3 MZGN1	STD-D3 SRO1	STD-D3 SWGR1	STD-D3 AL1
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	4.000	4.000	4.000	4.000	4.000	4.000
Item No.	**6120072**	**6120074**	**6120076**	**6120078**	**6120080**	**6120082**

PC Polycarbonate

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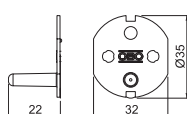
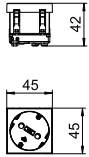## Socket 33°, protective contact, double

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3 RW2	Pure white	1	7.800	6120102
STD-D3 SRO2	Signal red	1	7.800	6120108

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°, protective contact, triple

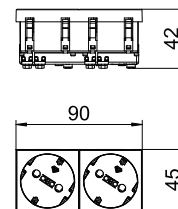| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3 RW3	Pure white	1	11.000	6120122
STD-D3 SRO3	Signal red	1	11.000	6120128

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.
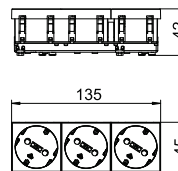
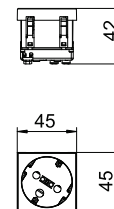## Socket 33°, protective contact, encoded version, single

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3K SRO1	Signal red	1	4.000	6120302

PC Polycarbonate

Power socket single 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.
The socket can only be used in conjunction with an encoding pin, type CST-STD.
Note: The encoding pin is not contained in the scope of supply.

Socket 33°, protective contact, encoded version, double

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3K SRO2	Signal red	1	7.700	6120304

PC Polycarbonate

Power socket double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.
The socket can only be used in conjunction with an encoding pin, type CST-STD.
Note: The encoding pin is not contained in the scope of supply.
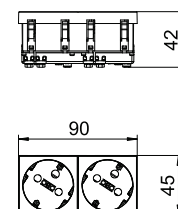
OBO

Socket 33°, protective contact, encoded version, triple

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3K SRO3	Signal red		1	11.000	**6120306**

PC Polycarbonate

Power socket triple 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.
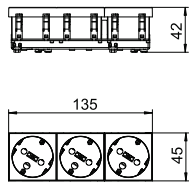The socket can only be used in conjunction with an encoding pin, type CST-STD.

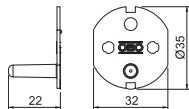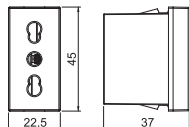Note: The encoding pin is not contained in the scope of supply.

Encoding pin

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
CST-STD K	Black-grey		10	0.200	**6120797**

PC Polycarbonate

Encoding pin as socket attachment for the use of encoded sockets, type STD.

Socket 0°, Italy, single

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
STD-IT0 RW0.5	Pure white		1	2.600	**6120746**

PC Polycarbonate

Socket, single 0°, Italy P17/11, with increased touch protection, with screw terminals, 2-pin, 16 A, 250 V~.
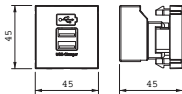
Charge mobile devices such as smartphones or tablets simply and easily via the standard USB connection. The OBO USB charging device can charge up to two mobile devices simultaneously and can be integrated in device installation devices, in service poles and in underfloor systems. Typical areas of application are airports, hotels, conference centres or offices.

USB charging device

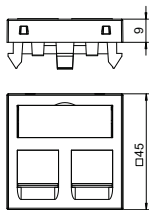| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-2UC2.1 RW1	Pure white	1	5.500	**6105300**
MTG-2UC2.1 AL1	Aluminium painted	1	5.500	**6105304**

PC Polycarbonate

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

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

47   OBO

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

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2RM RW1	Pure white	1	1.100	**6119292**
DTG-2RM AL1	Aluminium painted	1	1.100	**6119296**

PC 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.
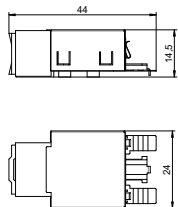
RJ45 data connection module, Cat. 5e, unshielded
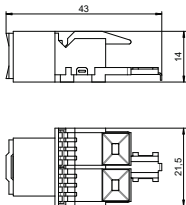
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C5	1	1.120	**6117337**

Connection module Cat. 5e unshielded, with a 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.

RJ45 data connection module, Cat. 5e, shielded

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C5 G	1	2.660	**6117325**

Connection module Cat. 5e shielded, with a 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. pcs	Weight kg/100 pcs.	Item No.
ASM-C6	1	1.060	**6117341**

Connection module Cat. 6 unshielded, with a 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.
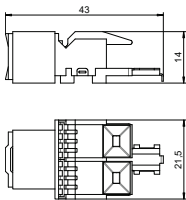
RJ45 data connection module, Cat. 6, shielded

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C6 G	1	1.850	**6117329**

Connection module Cat. 6 shielded, with a 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.
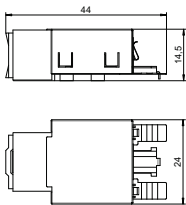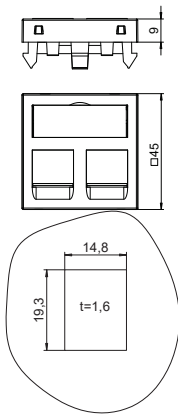
Data technology support, 1 module, straight outlet, type C

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2C RW1	Pure white	1	1.100	**6119214**

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.

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

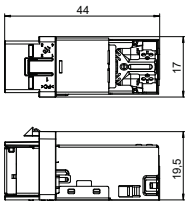| Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C6A	1	1.050	**6117348**

Connection module Cat. 6A (ISO) unshielded, with a 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.
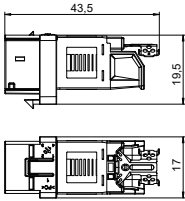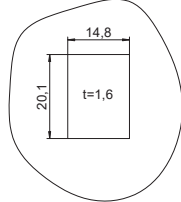
Connection module Cat. 6A, shielded, snap-in

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C6A G	1	1.630	**6117346**

Connection module Cat. 6A (ISO) shielded, with a 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.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

49

Data technology support, 1 module, straight outlet, type A
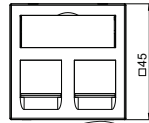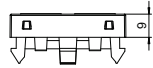
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2A RW1	Pure white	1	1.100	**6119202**

PC Polycarbonate

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.

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, 1 module, slanting outlet, type A
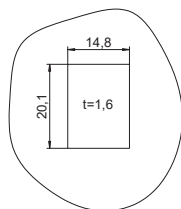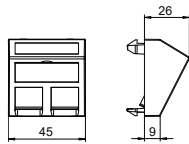
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2A RW1	Pure white	1	2.000	**6119238**

PC Polycarbonate

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.

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.

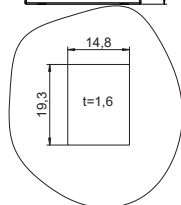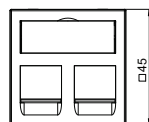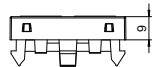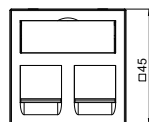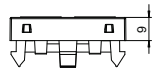## Data technology support, 1 module, straight outlet, type C

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2C RW1	Pure white	1	1.100	**6119214**

PC Polycarbonate

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.

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, 1 module, straight outlet, type F

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2F RW1	Pure white	1	1.100	**6119220**

PC Polycarbonate

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.

The type F data technology support is suitable for accepting the following data connection modules: Avaya/Systimax: M series.
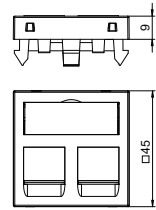
Data technology support, 1 module, straight outlet, type PA

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2PA RW1	Pure white	1	1.100	**6119226**

PC Polycarbonate

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.

The type PA data technology support is suitable for accepting the following data connection modules: Panduit: Mini-Com.
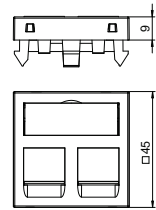
Data technology support, 1 module, straight outlet, type RM

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2RM RW1	Pure white	1	1.100	**6119292**
DTG-2RM AL1	Aluminium painted	1	1.100	**6119296**

PC Polycarbonate

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.

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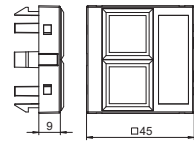
Data technology support, 1 module, straight outlet, type LE

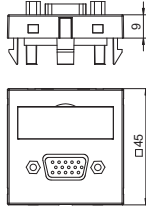| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-02LE RW1	Pure white	1	0.900	**6119304**

PC Polycarbonate

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.

The type LE data technology support is suitable for accepting the following data connection modules: LexCom/Schneider: LexCom 125, LexCom 250 and LexCom 500.
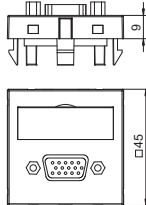
08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

51 OBO

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

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-VGA S RW1	Pure white	1	2.400	**6104610**

PC 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, straight outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-VGA F RW1	Pure white	1	5.200	**6104658**

PC 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.

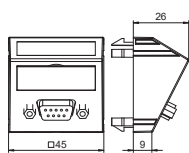## VGA connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-VGA F RW1	Pure white	1	5.400	**6104670**

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.

D-Sub9 connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DB9 S RW1	Pure white	1	2.600	**6104646**

PC Polycarbonate

Multimedia support with one D-Sub9 connection socket, slanting cable outlet, with labelling panel, D-Sub9 socket (RS232) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

DVI-D connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DVI S RW1	Pure white	1	3.700	**6104742**

PC Polycarbonate

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

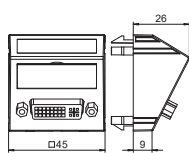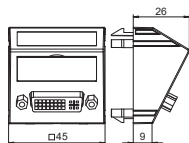## DVI-I connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DVI F RW1	Pure white	1	6.200	**6104766**

PC Polycarbonate

Multimedia support with one DVI-I connection socket, slanting cable outlet, with labelling panel, short DVI-I connection cable, socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.
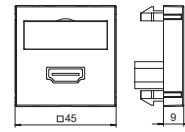
HDMI connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-HD S RW1	Pure white	1	3.200	**6104802**

PC 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 ducts and ISSR..45 / ISSD..45 service poles is not possible.

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

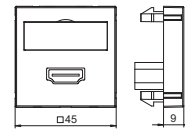| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-HD S RW1	Pure white	1	3.400	**6104814**

PC 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.
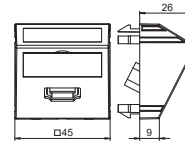
HDMI connection, 1 module, straight outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-HD F RW1	Pure white	1	6.000	**6104826**

PC 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

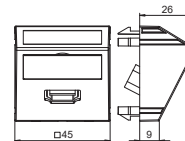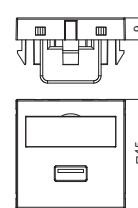| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-HD F RW1	Pure white	1	6.200	**6104838**

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 2.0 / 3.0 connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-U3A S RW1	Pure white	1	2.500	**6104874**
MTG-U3A S AL1	Aluminium painted	1	2.500	**6104880**

PC Polycarbonate

Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, USB 3.0 Type A socket with screw connection. 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, as screw connection

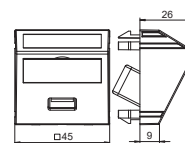| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-U3A S RW1	Pure white	1	2.700	**6104886**
MTS-U3A S AL1	Aluminium painted	1	2.700	**6104892**

PC Polycarbonate

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

OBO

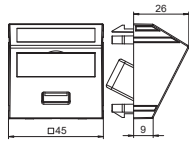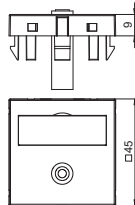## USB 2.0 / 3.0 connection, 1 module, slanting outlet, with connection cable

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-U3A F RW1	Pure white		1	6.200	**6104934**

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.

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

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-MK L RW1	Pure white		1	1.500	**6104946**

PC 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.

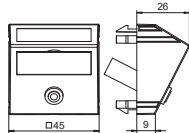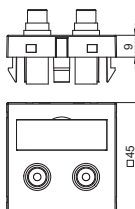## Mini jack connection, 1 module, slanting outlet, as soldered connection

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-MK L RW1	Pure white		1	1.700	**6104958**

PC 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.

Audio cinch connection, 1 module, straight outlet, as soldered connection

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-2R L RW1	Pure white		1	2.500	**6105042**

PC Polycarbonate

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

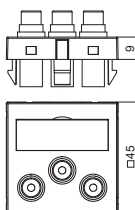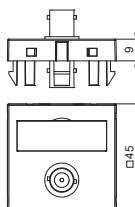## Audio/video cinch connection, 1 module, straight outlet, as soldered connection

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-12R L RW1	Pure white		1	3.200	**6105162**

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio-video, straight cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding yellow / red / white. 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

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-BC F RW1	Pure white		1	1.500	**6105018**

PC Polycarbonate

Multimedia support with one BNC connection socket, straight cable outlet, with labelling panel, BNC cinch coupling, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.
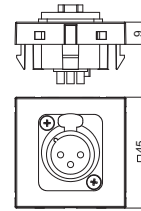
XLR connection, 1 module, straight outlet, 3-pin socket, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X3F L RW1	Pure white	1	3.000	**6105210**

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.

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

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X3M L RW1	Pure white	1	3.000	**6105222**

PC Polycarbonate

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

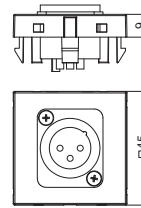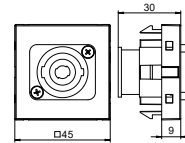## Speakon connection, 1 module, straight outlet, 4-pin socket, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-SON S RW1	Pure white	1	2.800	**6105270**

PC Polycarbonate

Multimedia support with one Speakon connection socket, straight cable outlet, without labelling panel, Speakon 4-pin socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Multimedia support for SLR plug connector, 1 module, straight outlet

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X O RW1	Pure white	1	0.600	**6105234**

PC Polycarbonate

Multimedia support for a XLR plug connector, straight cable outlet, without labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.
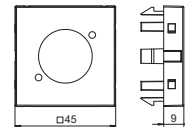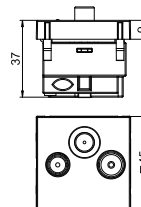
Antenna connection, 1 module, TV / radio / SAT, antenna socket

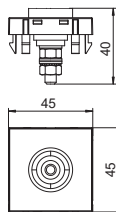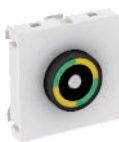| Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ANT-3SD RW1	Pure white	1	11.596	**6105282**

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

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01

55 OBO

Equipotential bonding socket, 1 module, straight outlet

	Colour		Pack.	Weight	
Type			pcs	kg/100 pcs.	**Item No.**
PAD-ID6 RW1	Pure white		1	5.000	**6120003**

PC Polycarbonate

Equipotential bonding socket to DIN 42801, socket in black with green-yellow colour ring, cable connection to rear with M6 screw bolt, including two nuts, washers and a serrated washer.

Cable outlet for 3–11 mm cross-section
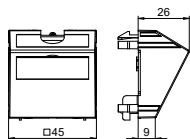
	Colour		Pack.	Weight	
Type			pcs	kg/100 pcs.	**Item No.**
KAL-K11 RW1	Pure white		1	3.500	**6117420**

PC Polycarbonate

Two-part cable outlet with labelling panel, consisting of a cable support with strain relief and a cover. The strain relief is suited for cable cross-sections of 3 to 11 mm. The locking fastening is suitable for horizontal and vertical installation in the system environment.
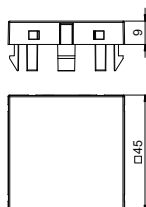
Blanking cover, 1/2 module
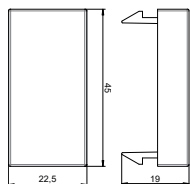
	Colour		Pack.	Weight	
Type			pcs	kg/100 pcs.	**Item No.**
ADP-B RW0.5	Pure white		10	0.400	**6117414**
ADP-B AL0.5	Aluminium painted		1	0.400	**6117416**

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

Blanking cover, 1 module

	Colour		Pack.	Weight	
Type			pcs	kg/100 pcs.	**Item No.**
ADP-B RW1	Pure white		10	0.800	**6117406**
ADP-B AL1	Aluminium painted		1	0.800	**6117408**

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

Changeover switch, 1/2 module

	Colour		Pack.	Weight	
Type			pcs	kg/100 pcs.	**Item No.**
TA-WB RW0.5	Pure white		1	1.800	**6120960**

PC Polycarbonate

Changeover switch, 1-pin, 10 A, 250 V~, with screwless terminals.

One-way/changeover switch, 1 module

	Colour		Pack.	Weight	
Type			pcs	kg/100 pcs.	**Item No.**
WS-UB RW1	Pure white		1	2.600	**6120932**

PC Polycarbonate

Changeover switch 1-pin, 10 A, 250 V~, with screwless terminals.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/25 10:56:22 10:56:22 10:56:22 (LLExport_02498) / 2019/01/25 10:57:01 10:57:01 10:57:01

OBO 56

Adapter for switch installation rotated through 90°

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
AD-90G M45	1	0.400	**6258141**

St Steel

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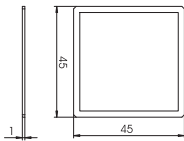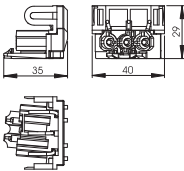
Modul 45connect® connector part adapter

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STA-SKS SU1 SW	Black	10	1.190	**6117196**

PA Polyamide

Connector part adapter, U-shaped, 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.
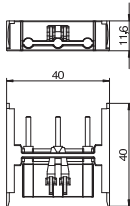
Modul 45connect® connector

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VB-SKS S	Black	10	0.590	**6117198**

PA Polyamide

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

Note: Socket combinations with two connection adapters at most are permitted.

08 UFS GES 2018_mit Produkte_Ukraine / en / 2019/01/28 09:57:40 09:57:40 (LLExport_02498) / 2019/01/28 09:57:57 09:57:57

57 OBO

Building Connections