GES R2 floor sockets

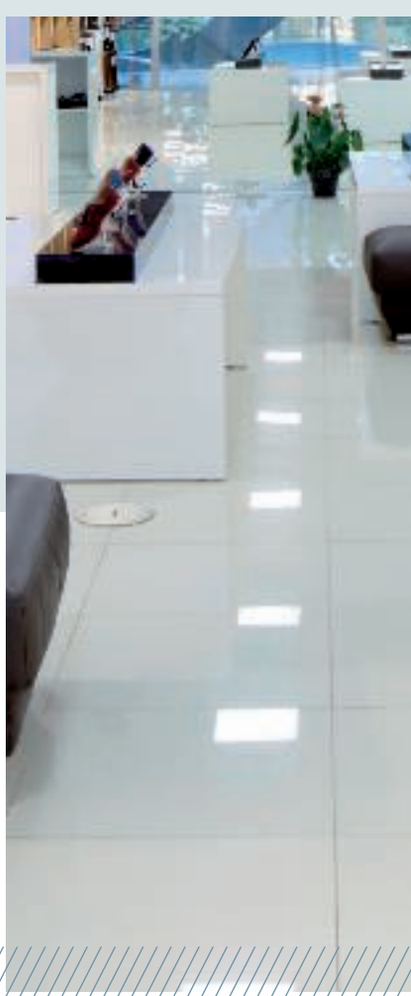
Modular floor sockets for different conditions of use

OBO BETTERMANN

A high load capacity and varied functionality

GES R2 floor sockets

The round floor sockets of the GES R2 series supply data and power exactly where they are required. Their handling is simple: The connection lines are inserted in the compact installation space and that space is closed off with a cover. Depending on the cover version, the floor sockets are suitable for dry or wet-cleaned floors.



Areas of application

OBO GES R2 floor sockets are an ideal underfloor solution when a discreet appearance, a high load capacity and varied functionality are required. Whether in the living room or in public areas – such as foyers, shopping centres or exhibition areas – the floor sockets stand out through their fine design and also add value to high-quality floor areas.

The installation socket of the GES R2 floor sockets is pre-equipped with two sockets. As an option, to the side of the socket there is space for up to two connection sockets for data technology applications.

The floor sockets of the GES R2 series are available in various materials. The die-cast zinc variant is surface-treated and available in the shades old copper, old brass, chrome, nickel, nickel-oxidised and deep black, and certified to IP66 (protection against dust and strong water jets) in the unused state.

- Ideally suited to wet-cleaned floors
- Withstands the highest loads
- In use around the world for decades

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Modular structure

Simple configuration, according to the area of application

The modular structure as a service outlet, installation socket and screed box allows simple configuration, according to the area of application.

Service outlet
The classic service outlet for the GES R2 floor socket is available in various designs.

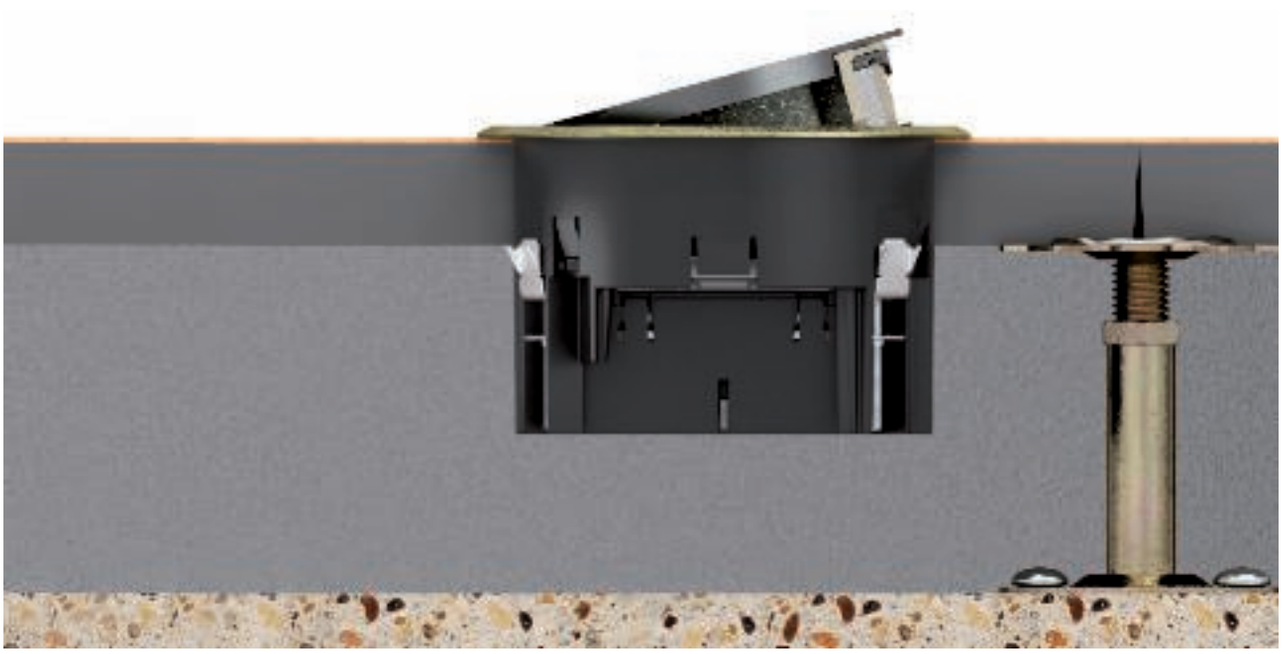
Installation socket
The installation socket is available empty or pre-equipped. The pre-equipped variant contains either a double socket or a free combination of two Modul 45 individual devices.

Screed box
The height-adjustable screed box is used to accept the service outlet when the GES R2 floor socket is installed in the screed.

Installation in system floors

Variable
All the cover variants of the GES R2 floor socket can be inserted in raised floors or in the screed.

Installation in raised floors
The installation socket is mounted in the raised floor plate using three fastening brackets.



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GES R2 floor socket made of die-cast zinc

For wet-cleaned floors

The tube body can be operated with one hand. To open it, the handle clamp is pulled up and, after the audible engaging of the support, turned slightly left and locked.

To insert the cables, it is sufficient to press two pressure points to release the cover. After the connectors have been inserted, the cover is audibly engaged on the tube body ring. The tube body cover is closed again by pressing two opposing pressure points and half lowering the cover. Then turn the tube body slightly to the right to make it flush with the floor.

IP 66

The tube body seals the closed installation space against the ingress of water, which occurs, for example, when the floor is cleaned. Even if the tube body cover is open for letting out cables, a seal in the lower ring of the installation socket offers protection against the ingress of water. The GES R2 floor socket with tube body thus fulfils the requirements for service outlets in wet-care floors according to EN 50085-2-2 and is certified to IP66 in the unused state.

Blank version with metal cover
The metal cover with bayonet lock can be opened with an Allen key.
This version is particularly suitable for public areas and for the supply of temporary installations.

Surfaces
The GES R2 floor socket with tube body stands out through its compact shape and discreet design. Six high-quality surfaces are available: old copper, old brass, chromium, nickel, nickel-oxidised and deep black.

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GES R2 floor socket made of die-cast zinc

For wet-care floors

The GES R2 floor socket with hinged cover stands out through its fine design. It is the perfect solution for high-quality floor coverings, which are dry or wet-cleaned.

Hinged cover
The locking function of the hinged cover allows a secure outlet for the cable routing. When closed, the floor socket is even suitable for wet care.

Surfaces
The version with hinged cover is available in the colours old copper, old brass, chrome, nickel, nickel-oxidised and deep black.

IP
66

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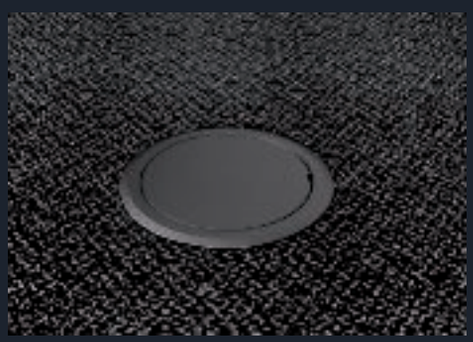
Plastic GES R2 floor socket

For dry-cleaned floors

The plastic GES R2 variants are particularly suitable for construction projects which use carpet as the floor covering. Typical areas of application are office and administrative buildings.



Cover versions
Two cover variants are available: The cover variant with cord outlet provides a permanent cable outlet to supply the electrical resources. The version with blanking cover, which can only be opened with a screwdriver, protects against unintentional third-party access.

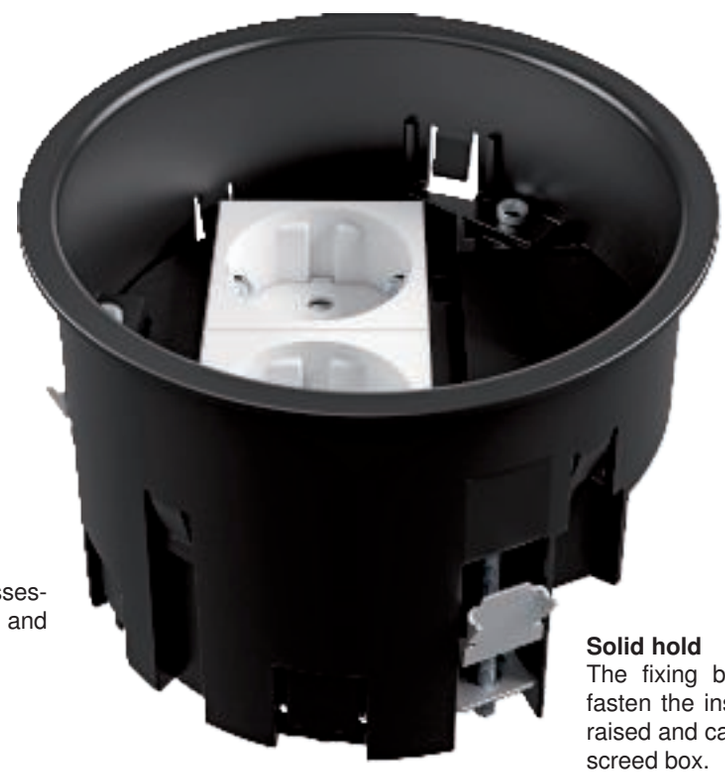
Protective frame
The floor covering protection frame protects the carpet against damage and prevents wear at the cut edges of the carpet.

Colours
The plastic floor sockets are available in the colours iron grey or graphite black.

Installation socket for Modul 45®

The installation socket for GES R2 service outlets accepts Modul 45® devices. After the routing of the electrical installation, the installation socket is inserted in the screed box.

Separation of different current types
The installation socket offers separate installation spaces for heavy current connections and data or multimedia connections.

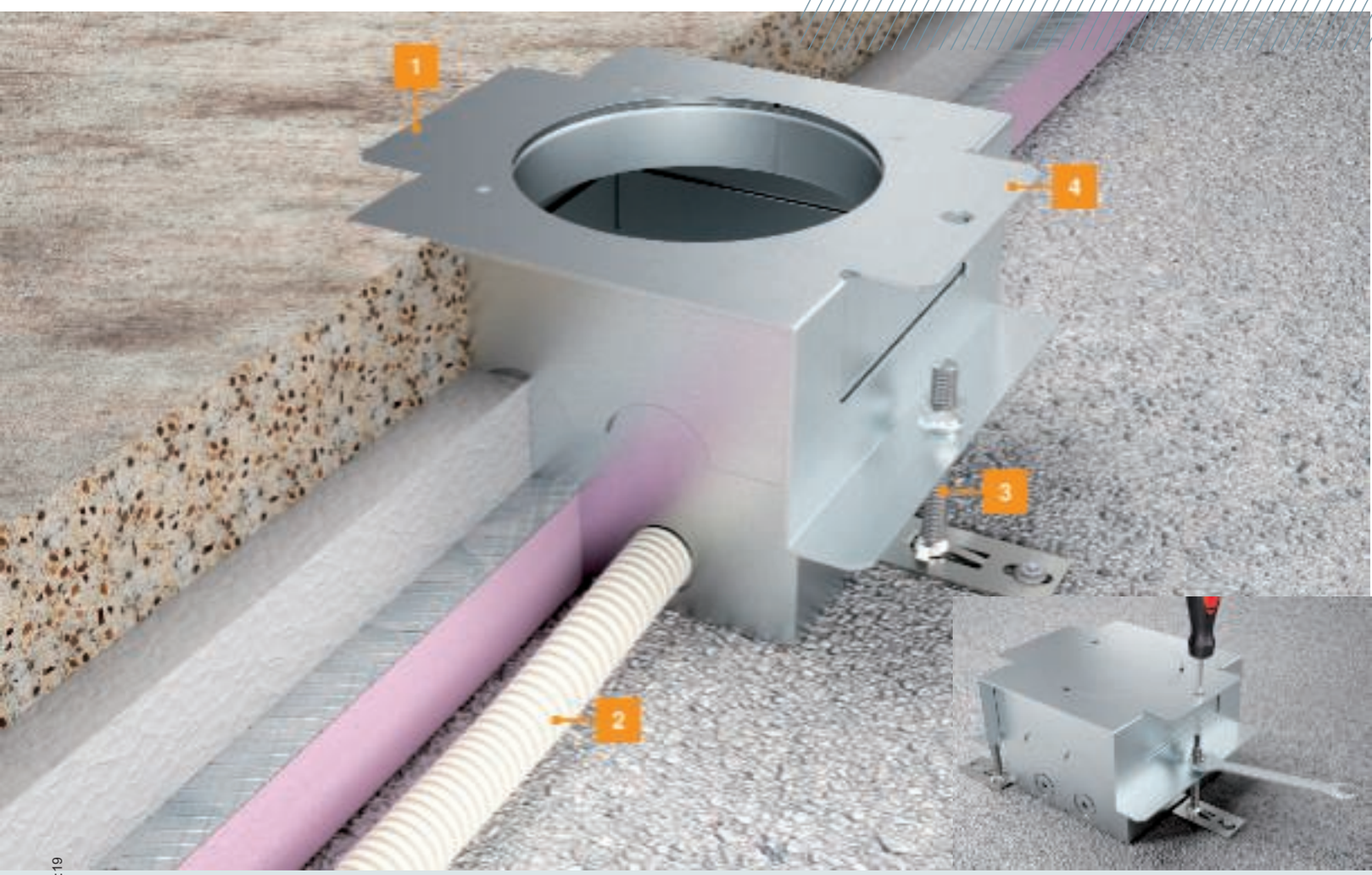


Functional
The installation socket possesses break-out cable entries and integrated strain relief.

Solid hold
The fixing bracket is used to fasten the installation socket in raised and cavity floors or in the screed box.

Varied installation options
The pre-equipped installation socket, which contains a double socket of the Modul 45® series, is suitable for standard applications. The variant for two single Modul 45® devices offers a great amount of installation flexibility. The installation space is separated here. This allows simultaneous installation of sockets, data and multimedia connections, such as HDMI or VGA.

Mounting of the underfloor box in the screed



1 Installation in the screed box

The GES R2 floor sockets are installed in the screed in the compact screed box. The screed box possesses a sturdy pressure acceptance plate, whose frame serves as the screed drip edge. The mounting protection cover of the screed box is knocked out after the screed work has been completed. This makes the installation opening for the service outlet accessible.

2 Connection

Cables are routed via flexible installation pipes in the insulation layer of the screed construction. The screed box possesses four break-out pipe insertions, either for M20 or M25 pipes.

3 Height adjustment

Using a simple 3-point height adjustment, the screed box can be adjusted exactly to the top edge of the screed. The height adjustment ranges from 85 to 130 mm.

4 Screed-flush drip edge

The outlet edge of the screed box ensures sufficient stability and load dissipation in the area. The installation socket and the service outlet are installed after the floor covering work has been carried out.

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Always indicate the item number when ordering.

GES R2 floor sockets

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Screed box and installation socket 23

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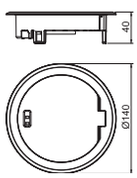
Always indicate the item number when ordering.

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket. When closed, the floor socket fulfils the requirements of EN 50085-2-2 for wet-cleaned floors.

Metal hinged cover for GES R2 floor socket

Service outlet with hinged cover and locking slider, GES R2, nickel

Zn N



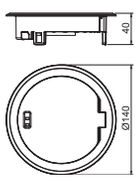
Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 Ni	1	58.500	7408850

/pc.

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

Service outlet with hinged cover and locking slider, GES R2, old brass

Zn CuZn 37



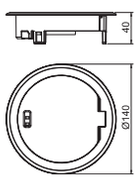
Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 CuZn	1	58.500	7408852

/pc.

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

Service outlet with hinged cover and locking slider, GES R2, old copper

Zn Cu



Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 Cu	1	58.500	7408854

/pc.

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

Always indicate the item number when ordering.

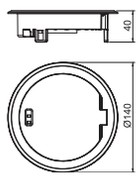
Zn

Service outlet with hinged cover and locking slider, GES R2, chrome

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2 Cr		1	58.500	7408856

/pc.

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

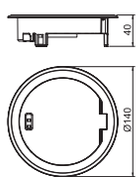


Zn P

Service outlet with hinged cover and locking slider, GES R2, deep black

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2 KP		1	58.500	7408847

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

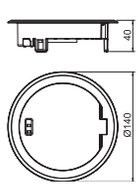


Zn

Service outlet with hinged cover and locking slider, GES R2, nickel-oxidised

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2 Ni-O		1	58.500	7408849

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.



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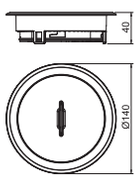
Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket. The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Tube body for floor socket GES R2

Service outlet with tube body with handle clamp, GES R2, nickel

Zn N



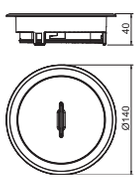
Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2T Ni	1	114.100	7408860

/pc.

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Service outlet with tube body with handle clamp, GES R2, old brass

Zn CuZn 37



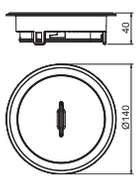
Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2T CuZn	1	114.100	7408862

/pc.

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Service outlet with tube body with handle clamp, GES R2, old copper

Zn Cu



Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2T Cu	1	114.100	7408864

/pc.

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Always indicate the item number when ordering.

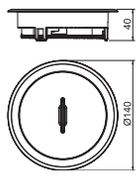
Zn

Service outlet with tube body with handle clamp, GES R2, chrome

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2T Cr		1	114.100	**7408866**

/pc.

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

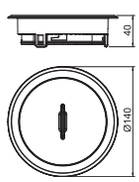


Zn P

Service outlet with tube body and handle clamp, GES R2, deep black

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2T KP		1	107.000	**7408857**

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

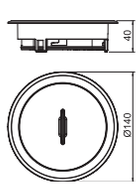


Zn

Service outlet with tube body and handle clamp, GES R2, nickel-oxidised

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2T Ni-O		1	107.000	**7408859**

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.



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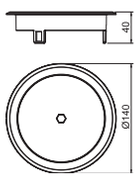
Always indicate the item number when ordering.

Service outlet with blanking cover and Allen screw with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket. The cover version can be used as a cable outlet. When closed, the floor socket fulfils the requirements of EN 50085-2-2 for wet-cleaned floors.

Blanking cover for floor socket GES R2

Service outlet with blanking cover and Allen slot, GES R2, nickel

Zn N



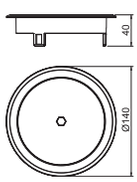
Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2B Ni	1	58.200	**7408870**

/pc.

Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Service outlet with blanking cover and Allen slot, GES R2, old brass

Zn CuZn 37



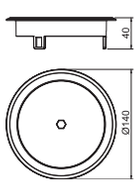
Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2B CuZn	1	58.200	**7408872**

/pc.

Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Service outlet with blanking cover and Allen slot, GES R2, old copper

Zn Cu



Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2B Cu	1	58.200	**7408874**

/pc.

Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Always indicate the item number when ordering.

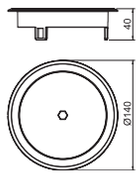
Zn

Service outlet with blanking cover and Allen slot, GES R2, chrome

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2B Cr		1	58.200	**7408876**

/pc.

Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

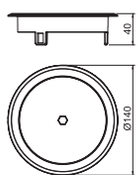


Zn

Service outlet with blanking cover and Allen slot, GES R2, nickel-oxidised

Type		Pack Piece	Weight kg/100 pc.	Item no.
GES R2B Ni-O		1	58.200	**7408869**

Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.



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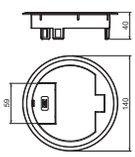
Always indicate the item number when ordering.

Service outlet with hinged cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket. For use in dry-cleaned floors.

Plastic cover for floor socket GES R2

Service outlet with hinged cover and cord outlet, GES R2

PA



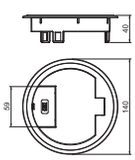
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 7011	Iron grey	1	8.800	**7405082**

/pc.

Service outlet with hinged cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

Service outlet with hinged cover and cord outlet, GES R2

PA



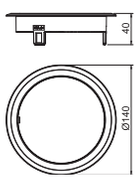
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 9011	Graphite black	1	8.800	**7405084**

/pc.

Service outlet with hinged cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

Service outlet with blanking cover and opening contour, GES R2

PA



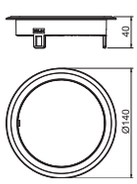
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
GES R2B 7011	Iron grey	1	8.150	**7405086**

/pc.

Service outlet with blanking cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

Service outlet with blanking cover and opening contour, GES R2

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
GES R2B 9011	Graphite black	1	8.150	**7405088**

/pc.

Service outlet with blanking cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

Always indicate the item number when ordering.

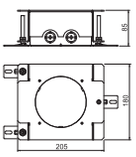
St FS

Screed box for GES R2

Type	Screed height mm	Installation diameter		Pack Piece	Weight kg/100 pc.	Item no.
UD GES R2	85 - 130	122		1	218.000	**7428526**

/pc.

Height-adjustable screed box for the installation of the installation socket of the GES R2 floor socket.
With 2x2 insertion openings for installation pipes (M20/M25).



PA

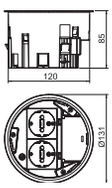
Installation socket, double, VDE

Type	Installation depth mm	Installation diameter		Pack Piece	Weight kg/100 pc.	Item no.
MT R2 VDE	85	122		1	26.800	**7408832**

/pc.

Installation socket for GES R2 floor socket for mounting in UD GES R2 screed box and in raised floor plates with an installation opening diameter of 122 mm.

The scope of delivery contains a double protective contact socket (VDE). Up to two modular data sockets (Keystones) can be installed with optional mounting plate.



PA

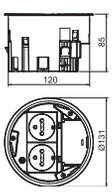
Installation socket, double, NF

Type	Installation depth mm	Installation diameter		Pack Piece	Weight kg/100 pc.	Item no.
MT R2 NF	85	122		1	21.000	**7408834**

/pc.

Installation socket for GES R2 floor socket for mounting in UD GES R2 screed box and in raised floor plates with an installation opening diameter of 122 mm.

The scope of delivery contains a double socket (NF). Up to two modular data sockets (Keystones) can be installed with optional mounting plate.



PA

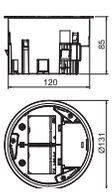
Installation socket, 1+1 empty

Type	Installation depth mm	Installation diameter		Pack Piece	Weight kg/100 pc.	Item no.
MT R2 1-1	85	122		1	19.800	**7408838**

/pc.

Installation socket for GES R2 floor socket for mounting in UD GES R2 screed box and in raised floor plates with an installation opening diameter of 122 mm.

The scope of supply contains a partition and two cover plates for the installation of individual Modul 45 devices. Up to two modular data sockets (Keystones) can be installed with optional mounting plate.



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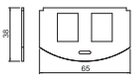
Mounting plate for data technology, type A

VA



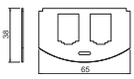
Type		Pack Piece	Weight kg/100 pc.	Item no.
MP R2 2A		1	1.960	**7408802**

/pc.

Mounting plate to accept two data connection modules of the following types: AMP TYCO: Standard 110Connect, SL Series 110Connect and Toolless, AMP-Twist; Brand-Rex: unshielded; GG45; TKM RJ MOD; Nexans: LANmark with Adapter-Clip; Siemon CAT6; 3M K6 and K10.
Dimensions of a mounting opening in mm: 20.10 x 14.80.

Mounting plate for data technology, type B

VA



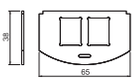
Type		Pack Piece	Weight kg/100 pc.	Item no.
MP R2 2B		1	1.940	**7408804**

/pc.

Mounting plate to accept two connection modules for data connection modules of the following types BTR: E-DAT; Dätwyler: MS and MS-N; Kerpen: VarioKeystone.
Dimensions of a mounting opening in mm: 19.35/21.55 x 14.85.

Mounting plate for data technology, type C

VA



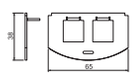
Type		Pack Piece	Weight kg/100 pc.	Item no.
MP R2 2C		1	1.950	**7408806**

/pc.

Mounting plate to accept two data connection modules of the following types: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

Mounting plate for data technology, type F

VA



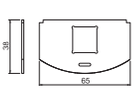
Type		Pack Piece	Weight kg/100 pc.	Item no.
MP R2 2F		1	2.190	**7408808**

/pc.

Mounting plate to accept two data connection modules, type Avaya/Systimax: M series.
Dimensions of a mounting opening in mm: 17.40 x 16.60.

Mounting plate for data technology, type LE

VA



Type		Pack Piece	Weight kg/100 pc.	Item no.
MP R2 LE		1	2.250	**7408810**

/pc.

Mounting support to accept two data connection modules of the following types: LexCom 125 and 250.
Dimensions of a mounting opening in mm: 18.30 x 17.20.

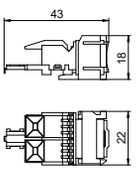
Always indicate the item number when ordering.

Connection module Cat. 5, unshielded, snap-in

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

/pc.

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

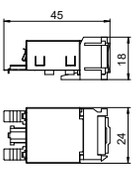


Connection module Cat. 5, shielded, snap-in

Type		Pack Piece	Weight kg/100 pc.	Item no.
ASM-C5 GS		1	1.920	**6117343**

/pc.

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

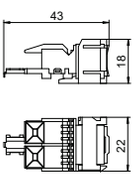


Connection module Cat. 6, unshielded, snap-in

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

/pc.

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

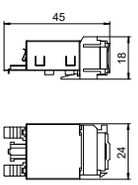


Connection module Cat. 6, shielded, snap-in

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

/pc.

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

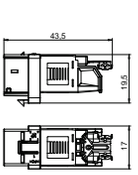


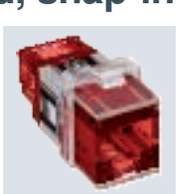
Connection module Cat. 6A, unshielded, snap-in

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

/pc.

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





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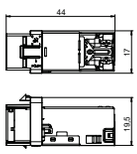
Connection module Cat. 6A, shielded, snap-in



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

/pc.

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

Always indicate the item number when ordering.

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