HoverCube VH/VHF
Suspended energy distributor for workplaces and machines
HoverCube VH/VHF

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

Industrial and assembly workplaces

Seminar and classrooms
Robust and trusted

The housings of the HoverCubes are made of highly resistant polyamide and offer installation space for up to 4, or alternatively 8, installation devices. This means that power supply units provide connections for work media directly and safely at the workplace.

Modul 45° sockets

CEE connection units

Compressed air

Modul data and multimedia technology
Cables are inserted in the HoverCube via penetration sleeves. Integrated strain relief options in the housing ensure standardised installation. Suspension takes place in a fixed manner with a chain, with a spring, ergonomically with the positioner or with steel cables, e.g. Quick Wire from OBO.

Up to two Modul 45 devices can be installed on each connection side. Different circuits can be installed in the housing. The entire product range of international sockets is available.

CEE 16 A and CEE 32 A sockets can be installed in the power supply units.
HoverCube with increased IP protection

The VHF8 HoverCube is specially designed for use in moist and wet areas. In the unused state, the housing equipment and the devices offer a protection rating of IP44 (protected against spray water).

Through the installation of REG devices of up to 4 part units, workstations can be protected appropriately and in a decentralised manner.
Compressed air
The compressed air connection of the HoverCube is designed for compressed air hoses 13 x 3.5 mm. The HoverCube is equipped with a 2-way distributor ½".

Data technology and multimedia
The entire Modul 45 programme of data and multimedia technology is available for the network connection of machines and systems and in seminar and training rooms.

Variant
In seminar and training rooms, the HoverCube in pure white can be used for a more discreet appearance.
Suspension of the unit

Chain
The suspension of the HoverCubes can be carried out in a fixed manner with a chain to supply machines or systems.

Chain + spring
Suspension using a tension spring allows improved access to the connections. The unit can be pulled down by up to 30 cm.

Quick Wire
Further simple suspension is offered by the Quick Wire system with support cable and infinitely adjustable cable gripper, via which the suspension height can be adjusted at a later time.

Positioner
In addition, the HoverCube can be suspended ergonomically via the height-adjustable positioner. The positioner offers a height adjustment range of up to 1.5 m, holding the HoverCube in position at the set height.
Pre-terminated HoverCubes

For a quick and easy ordering process, pre-terminated HoverCubes are available for standard applications, with and without compressed air connections. The sockets are already prewired and tested in the housing. The cable connection is quick and easy and uses prepared terminals.
Type VH and type VHF empty housing – freely configurable

Equipment for VH4 and VH8

The HoverCubes are available as empty housings for up to 4 (type VH4) or up to 8 (type VH8) devices. The empty housing are offered with and without compressed air connections.

The standardised cover plates can be used in VH4 and VH8 and allow the installation of Modul 45\(^*\), extension sockets with hinged covers, communication devices (with 50 mm central plate) and CEE connection units.

Equipment for VHF

The VHF HoverCubes are available as an empty housing for up to 8 installation devices. The empty housings are offered in versions with and without compressed air connections.

Special cover plates for increased IP protection are available for the VHF. These allow the installation of extension sockets with hinged covers, CEE connection units and decentral devices, such protection devices, surge protection, clocks, etc.
HoverCube VH-4, 4x protective contact socket

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket 16 A/415 V, with partition for circuit separation.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-4 4SD</td>
<td>Graphite black</td>
<td>1</td>
<td>95.000</td>
<td>6109802</td>
</tr>
</tbody>
</table>

HoverCube VH-4, 3x protective contact socket, 1x CEE 16 A

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket 16 A/415 V, with partition for circuit separation.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-4 3SD1C16</td>
<td>Graphite black</td>
<td>1</td>
<td>115.700</td>
<td>6109804</td>
</tr>
</tbody>
</table>

HoverCube VH-4, with FI/LS

In the case of an overcurrent/error current (16 A/30 mA), the VH-4 HoverCube with decentral protection triggers the FI/LS directly. Switching back on can take place directly on the power supply unit. Equipped as follows: 2x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, with partition for circuit separation and an FI/LS switch. One unequipped side with a free panel for individual, construction-side equipment (e.g. blanking plate, cover plate for devices/Modul 45 devices).

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-4 2SD FILS</td>
<td>Graphite black</td>
<td>1</td>
<td>98.000</td>
<td>6109780</td>
</tr>
<tr>
<td>VH-4 2SF FILS</td>
<td>Graphite black</td>
<td>1</td>
<td>97.900</td>
<td>6109782</td>
</tr>
</tbody>
</table>

HoverCube VH-4, 4x earthing pin socket

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket 16 A/415 V, with partition for circuit separation.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-4 4SF</td>
<td>Graphite black</td>
<td>1</td>
<td>95.000</td>
<td>6109806</td>
</tr>
</tbody>
</table>
HoverCube VH-4, 3x earthing pin socket, 1x CEE 16 A

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket 16 A/415 V, with partition for circuit separation.

**Type**: VH-4 3SF1C16

**Colour**: Graphite black

<table>
<thead>
<tr>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>115.700</td>
<td>6109808</td>
</tr>
</tbody>
</table>

HoverCube VH-4, 4x protective contact socket, with compressed air connection

Housing equipped and pre-wired, with 1 m pipe 1/2” and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2”, with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket 16 A/415 V, with partition for circuit separation.

**Type**: VH-4L 4SD

**Colour**: Graphite black

<table>
<thead>
<tr>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>428.600</td>
<td>6109812</td>
</tr>
</tbody>
</table>

HoverCube VH-4, 3x protective contact socket, 1x CEE 16 A, with compressed air connection

Housing equipped and pre-wired, with 1 m pipe 1/2” and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2”, with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket 16 A/415 V, with partition for circuit separation.

**Type**: VH-4L 3SD1C16

**Colour**: Graphite black

<table>
<thead>
<tr>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>380.000</td>
<td>6109814</td>
</tr>
</tbody>
</table>

HoverCube VH-4, 4x earthing pin socket, with compressed air connection

Housing equipped and pre-wired, with 1 m pipe 1/2” and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2”, with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket 16 A/415 V, with partition for circuit separation.

**Type**: VH-4L 4SF

**Colour**: Graphite black

<table>
<thead>
<tr>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>428.600</td>
<td>6109816</td>
</tr>
</tbody>
</table>
HoverCube VH-4, earthing pin socket, 1x CEE 16 A, with compressed air connection

HoverCube VH-4, empty housing, with compressed air connection

HoverCube VH-4, empty housing
HoverCube VH-8, empty housing

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-8 LG</td>
<td>Graphite black</td>
<td>1</td>
<td>88.200</td>
<td>6109621</td>
</tr>
</tbody>
</table>

Empty housing with suspension lug and grip hook, for the installation of eight electrical resources, with included partition. Without cover plates.

HoverCube VH-8, empty housing, with cover plates

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-8 LGBP2</td>
<td>Graphite black</td>
<td>1</td>
<td>123.400</td>
<td>6109620</td>
</tr>
</tbody>
</table>

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

HoverCube VH-8, empty housing, with compressed air connection

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-8L LG</td>
<td>Graphite black</td>
<td>1</td>
<td>300.000</td>
<td>6109625</td>
</tr>
</tbody>
</table>

Empty housing with 1 m pipe 1/2” and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2”. With suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates.

Partition VH-4

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-4 TW</td>
<td>Graphite black</td>
<td>1</td>
<td>2.350</td>
<td>6109632</td>
</tr>
</tbody>
</table>

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

Always indicate the item number when ordering.
Partition VH-8

<table>
<thead>
<tr>
<th>Colour</th>
<th>Type</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VH-8 TW</td>
<td>1</td>
<td>4.890</td>
<td>6109862</td>
</tr>
</tbody>
</table>

Additional partition wall for reciprocal insulation of three different power circuits and types. Version for VH-8.

Accessories IP 20

Mounting set VH4

<table>
<thead>
<tr>
<th>Colour</th>
<th>Type</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VH MS FILS</td>
<td>1</td>
<td>10.500</td>
<td>6109788</td>
</tr>
</tbody>
</table>

Mounting kit for the installation of series-mounted devices up to 2 part units, e.g. of an FI/LS switch in the freely terminable HoverCube VH4/VH8. Mounting of the FI/LS switch is possible at a later time, irrespective of the system.

VH cover plate, for Modul 45 devices, single

<table>
<thead>
<tr>
<th>Colour</th>
<th>Type</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VH-P4</td>
<td>1</td>
<td>2.030</td>
<td>6109840</td>
</tr>
</tbody>
</table>

Cover plate to install a single Modul 45 socket.

VH cover plate, for Modul 45 devices, double

<table>
<thead>
<tr>
<th>Colour</th>
<th>Type</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VH-P5</td>
<td>1</td>
<td>1.749</td>
<td>6109836</td>
</tr>
</tbody>
</table>

Cover plate to install a double Modul 45 socket.

VH cover plate, for 1x extension socket, type ASD

<table>
<thead>
<tr>
<th>Colour</th>
<th>Type</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VH-P7</td>
<td>1</td>
<td>1.890</td>
<td>6109839</td>
</tr>
</tbody>
</table>

Cover plate with opening for the installation of a socket with 38 x 38 mm fastening system.

Always indicate the item number when ordering.
Cover plate VH, for CEE connection unit

- Colour: Rape yellow
- Type: VH-P3
- Max. 2 CEE sockets 16/32 A in a power supply unit VH-4
- Max. 4 CEE sockets 16/32 A in a power supply unit VH-8

Cover plate with a Ø 70 mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

Cover plate VH, for EK and EKR devices

- Colour: Rape yellow
- Type: VH-P2
- Cover plate with opening Ø 45 mm for the installation of a device with concealed support ring or support clamp.

VH cover plate as blanking cover

- Colour: Rape yellow
- Type: VH-P1
- Cover plate as blanking cover.

Always indicate the item number when ordering.
HoverCube VH-4, empty housing

Empty housing with suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-4 LG RW</td>
<td>Pure white</td>
<td>1</td>
<td>72.000</td>
<td>6109801</td>
</tr>
</tbody>
</table>

Accessories IP 20 white

Mounting set VH4

Mounting kit for the installation of series-mounted devices up to 2 part units, e.g. of an FI/LS switch in the freely terminable HoverCube VH4/VH8. Mounting of the FI/LS switch is possible at a later time, irrespective of the system.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH MS FILS RW</td>
<td>Pure white</td>
<td>1</td>
<td>10.500</td>
<td>6109789</td>
</tr>
</tbody>
</table>

VH cover plate, for Modul 45 devices, single

Cover plate to install a single Modul 45 socket.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-P4 RW</td>
<td>Pure white</td>
<td>1</td>
<td>2.009</td>
<td>6109841</td>
</tr>
</tbody>
</table>

VH cover plate, for Modul 45 devices, double

Cover plate to install a double Modul 45 socket.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-P5 RW</td>
<td>Pure white</td>
<td>1</td>
<td>1.728</td>
<td>6109835</td>
</tr>
</tbody>
</table>

Cover plate VH, for CEE connection unit

Cover plate with a Ø 70 mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-P3 RW</td>
<td>Pure white</td>
<td>1</td>
<td>1.830</td>
<td>6109837</td>
</tr>
</tbody>
</table>

Information on equipment:
Max. 2 CEE sockets 16/32 A in a power supply unit VH-4
Max. 4 CEE sockets 16/32 A in a power supply unit VH-8

Always indicate the item number when ordering.
## VH cover plate as blanking cover

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight (kg/100 pc.)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-P1 RW</td>
<td>Pure white</td>
<td>1</td>
<td></td>
<td>3.000</td>
<td>6109843</td>
</tr>
</tbody>
</table>

Cover plate as blanking cover.

Always indicate the item number when ordering.
Accessories IP 20 VH4/VH8

0° socket, protective contact, single

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD-D0 RW1</td>
<td>Pure white</td>
<td>1</td>
<td>4.200</td>
<td>6120008</td>
</tr>
<tr>
<td>STD-D0 ROR1</td>
<td>Pure orange</td>
<td>1</td>
<td>4.200</td>
<td>6120010</td>
</tr>
<tr>
<td>STD-D0 MZGN1</td>
<td>Signal red</td>
<td>1</td>
<td>4.200</td>
<td>6120012</td>
</tr>
<tr>
<td>STD-D0 SRO1</td>
<td>Black-grey</td>
<td>1</td>
<td>4.200</td>
<td>6120014</td>
</tr>
<tr>
<td>STD-D0 SWGR1</td>
<td>Black-grey</td>
<td>1</td>
<td>4.200</td>
<td>6120016</td>
</tr>
</tbody>
</table>

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

33° socket, protective contact, single

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD-D3S RW1</td>
<td>Pure white</td>
<td>1</td>
<td>4.000</td>
<td>6120073</td>
</tr>
<tr>
<td>STD-D3S ROR1</td>
<td>Pure orange</td>
<td>1</td>
<td>4.000</td>
<td>6120075</td>
</tr>
<tr>
<td>STD-D3S MZGN1</td>
<td>Signal red</td>
<td>1</td>
<td>4.000</td>
<td>6120077</td>
</tr>
<tr>
<td>STD-D3S SRO1</td>
<td>Black-grey</td>
<td>1</td>
<td>4.000</td>
<td>6120079</td>
</tr>
<tr>
<td>STD-D3S SWGR1</td>
<td>Black-grey</td>
<td>1</td>
<td>4.000</td>
<td>6120081</td>
</tr>
</tbody>
</table>

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.

Protective contact socket, 33°, double

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD-D3S RW2</td>
<td>Pure white</td>
<td>1</td>
<td>7.700</td>
<td>6120103</td>
</tr>
<tr>
<td>STD-D3S ROR2</td>
<td>Pure orange</td>
<td>1</td>
<td>7.700</td>
<td>6120105</td>
</tr>
<tr>
<td>STD-D3S MZGN2</td>
<td>Signal red</td>
<td>1</td>
<td>7.700</td>
<td>6120107</td>
</tr>
<tr>
<td>STD-D3S SRO2</td>
<td>Black-grey</td>
<td>1</td>
<td>7.700</td>
<td>6120109</td>
</tr>
<tr>
<td>STD-D3S SWGR2</td>
<td>Black-grey</td>
<td>1</td>
<td>7.700</td>
<td>6120111</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTS-2C RW1</td>
<td>Pure white</td>
<td>1</td>
<td>1.500</td>
<td>6119250</td>
</tr>
<tr>
<td>DTS-2C SWGR1</td>
<td>Black-grey</td>
<td>1</td>
<td>1.500</td>
<td>6119252</td>
</tr>
</tbody>
</table>

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; Fidlink Keystone Cat. 6A; Komet: KDM 500 module; Leonora: Megaline-ConneXt45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

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

Always indicate the item number when ordering.
Connection module Cat. 6A, unshielded, snap-in

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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASM-C6A</td>
<td>1</td>
<td></td>
<td>1.050</td>
<td>6117348</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASM-C6A G</td>
<td>1</td>
<td></td>
<td>1.630</td>
<td>6117346</td>
</tr>
</tbody>
</table>

USB charging device

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTG-2UC2.1 RW1</td>
<td>Pure white</td>
<td>1</td>
<td></td>
<td>6.162</td>
<td>6105300</td>
</tr>
</tbody>
</table>

Equipotential bonding socket, 1 module, straight outlet

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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD-ID6 RW1</td>
<td>Pure white</td>
<td>1</td>
<td>5.000</td>
<td>6120003</td>
<td></td>
</tr>
<tr>
<td>PAD-ID6 SWGR1</td>
<td>Black-grey</td>
<td>1</td>
<td>5.000</td>
<td>6120001</td>
<td></td>
</tr>
</tbody>
</table>

Always indicate the item number when ordering.
### Accessories IP 20 and IP 44

**Surface-mounted socket 0° with hinged cover, protective contact, single**

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASD-D0 SW</td>
<td>Black</td>
<td>1</td>
<td>4.804</td>
<td>6109873</td>
</tr>
</tbody>
</table>

Protective contact extension socket 0° with hinged cover, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1. Protection rating: IP44.

**CEE connection unit, 16 A**

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEE-16A</td>
<td>1</td>
<td>19.100</td>
<td>6109874</td>
</tr>
</tbody>
</table>

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 16 A. 6 h.

**CEE connection unit, 32 A**

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEE-32A</td>
<td>1</td>
<td>20.400</td>
<td>6109876</td>
</tr>
</tbody>
</table>

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 32 A. 6 h.

### Positioner for VH power supply units

<table>
<thead>
<tr>
<th>Type</th>
<th>Designation</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-POS</td>
<td>Up to 6 kg load capacity</td>
<td>Orange</td>
<td>1</td>
<td>80.000</td>
<td>6109887</td>
</tr>
</tbody>
</table>

Positioner for variable height adjustment of a VH power supply unit, support load between 0.5 and 6.0 kg, maximum cable draw-out 1.5 m.

### VH/VHF tension spring

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Weight (kg/100 pc)</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-F100VA</td>
<td>1</td>
<td>31.350</td>
<td>6109829</td>
</tr>
</tbody>
</table>

Tension spring for VH/VHF power supply units, with German eyelet.
- Fmax = 100 N
- L0 = 200 mm
- Ln = 500 mm (for Fmax.)
- Material: VA ø 3.0 mm

Always indicate the item number when ordering.
Knotted chain

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

Support cable with loop

Support cable with loop for the suspension of different loads. Suitable for indoor use.
The loop permits simple wall and ceiling mounting, e.g. on ceiling hooks, ring eyelets or steel girders. With cable gripper for infinite, tool-free adjustment.
The operating load is stated with a safety factor of 5:1. The break load is 5x greater than the operating load. In combination with the universal bracket for mesh cable trays (QW GRH) or for cable trays (QW KRH), the safety factor is 1.7 according to IEC 61537 – Guide systems for cables.

Support cable with universal bracket

Support cable with universal bracket for the suspension of different loads. Suitable for indoor use.
Universal bracket for simple wall and ceiling mounting. One bracket side with fastening hole, e.g. for a nail tie, second side with marking for a nail setting device. With cable gripper for infinite, tool-free adjustment.
The operating load is stated with a safety factor of 5:1. The break load is 5x greater than the operating load. In combination with the universal bracket for mesh cable trays (QW GRH) or for cable trays (QW KRH), the safety factor is 1.7 according to IEC 61537 – Guide systems for cables.

Support cable with support clamp

Support cable with support clamp for the suspension of different loads. Suitable for indoor use.
With support clamp for knocking into steel girders of flange thickness 8–14 mm. With cable gripper for infinite, tool-free adjustment.
The operating load is stated with a safety factor of 5:1. The break load is 5x greater than the operating load. In combination with the universal bracket for mesh cable trays (QW GRH) or for cable trays (QW KRH), the safety factor is 1.7 according to IEC 61537 – Guide systems for cables.

Always indicate the item number when ordering.
**HoverCube VHF-8, empty housing**

- **Type**: VHF-8 LG
- **Colour**: Graphite black
- **Weight**: 105.000 kg/100 pc.
- **Item no.**: 6109822

Empty housing with suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates to supply workplaces in wet areas. Protection rating: IP44.

**HoverCube VHF-8, empty housing, with compressed air connection**

- **Type**: VHF-8L LG
- **Colour**: Graphite black
- **Weight**: 400.000 kg/100 pc.
- **Item no.**: 6109827

Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates to supply workplaces in wet areas. Protection rating: IP44.

**Accessories IP 44**

**Cover plate VHF for protective equipment installation**

- **Type**: VHF-P6
- **Colour**: Rape yellow
- **Weight**: 4.700 kg/100 pc.
- **Item no.**: 6109867

Cover plate with cut out for the installation of a cover above protection unit (type VHF-AE4TE). Maximum equipment corresponds to four units.

**VHF protective unit construction, cover and support clamp**

- **Type**: VHF-AE4TE
- **Weight**: 12.800 kg/100 pc.
- **Item no.**: 6109850

Cover and support clamp for the installation of protective equipment such as miniature circuit breakers or FI protection switches to max. four units.

Note: Use only in conjunction with the supports VHF-T1 or VHF-T2.
**VHF protective unit construction, support with PE terminal strip**

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-T1</td>
<td>1</td>
<td>6.730</td>
<td>6109852</td>
</tr>
</tbody>
</table>

Support with PE terminal strip for installation of F1 protection switches, consisting of:
- Base element with hat rail 35 mm and PE terminal strip 4 x 10 mm²
- Fastening material

**VHF protective unit construction, support with N+ PE terminal strip**

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-T2</td>
<td>1</td>
<td>8.380</td>
<td>6109854</td>
</tr>
</tbody>
</table>

Support with N and PE terminal strip for installation of miniature circuit-breakers, consisting of:
- Base element with hat rail 35 mm, N terminal strip 4 x 10 mm² and PE terminal strip 4 x 10 mm²
- Fastening material

**VHF cover plate, with fastening system**

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-P7</td>
<td>Rape yellow</td>
<td>1</td>
<td>6.600</td>
<td>6109878</td>
</tr>
</tbody>
</table>

Cover plate with opening for the installation of a socket with 38 x 38 mm fastening system.

**VHF cover plate, for 1x surface-mounted socket, type ASD**

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-P12</td>
<td>Rape yellow</td>
<td>1</td>
<td>7.400</td>
<td>6109856</td>
</tr>
</tbody>
</table>

Cover plate with a Ø 45 mm opening for the installation of an extension socket (type ASD...) with 38 mm fastening track, including 4 screws for fastening the device.

**VHF cover plate, for 2x surface-mounted socket, type ASD**

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-P8</td>
<td>Rape yellow</td>
<td>1</td>
<td>5.900</td>
<td>6109879</td>
</tr>
</tbody>
</table>

Cover plate with two Ø 45 mm openings for the installation of two extension sockets (type ASD...) with 38 mm fastening track, including 8 screws for fastening the device.

Always indicate the item number when ordering.
Cover plate VHF, for CEE connection unit

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-P3</td>
<td>Rape yellow</td>
<td>1</td>
<td>7.000</td>
<td>6109865</td>
</tr>
</tbody>
</table>

Cover plate with a Ø 70 mm opening for the installation of 1x CEE socket 16/32 A with 60 mm fastening track, including 4 screws for fastening the device.

Cover plate VHF, for 1x surface-mounted socket, type ASD and 1x CEE connection unit

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-P13</td>
<td>Rape yellow</td>
<td>1</td>
<td>7.400</td>
<td>6109858</td>
</tr>
</tbody>
</table>

Cover plate with a Ø 45 mm opening for the installation of one extension socket (type ASD...) with 38 mm fastening track and a Ø 60 mm opening for the installation of one CEE socket 16/32 A with 60 mm fastening track, including 8 screws for fastening the device.

Cover plate VHF as blanking cover

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-P1</td>
<td>Rape yellow</td>
<td>1</td>
<td>7.000</td>
<td>6109868</td>
</tr>
</tbody>
</table>

Cover plate as blanking cover.

Partition VHF, with compressed air connection

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-TW L</td>
<td>Graphite black</td>
<td>1</td>
<td>3.900</td>
<td>6109861</td>
</tr>
</tbody>
</table>

Additional partition wall for reciprocal insulation of three different power circuits and types.

Partition VHF, without compressed air connection

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Weight</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-TW</td>
<td>Graphite black</td>
<td>1</td>
<td>3.520</td>
<td>6109860</td>
</tr>
</tbody>
</table>

Additional partition wall for reciprocal insulation of three different power circuits and types.
Accessories IP 20 and IP 44

Surface-mounted socket 0° with hinged cover, protective contact, single

<table>
<thead>
<tr>
<th>Type</th>
<th>Colour</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASD-D0 SW</td>
<td>Black</td>
<td>1</td>
<td></td>
<td>4.804</td>
<td>6109873</td>
</tr>
</tbody>
</table>

Protective contact extension socket 0° with hinged cover, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1. Protection rating: IP44.

CEE connection unit, 16 A

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEE-16A</td>
<td>1</td>
<td></td>
<td>19.100</td>
<td>6109874</td>
</tr>
</tbody>
</table>

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 16 A, 6 h.

CEE connection unit, 32 A

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEE-32A</td>
<td>1</td>
<td></td>
<td>20.400</td>
<td>6109876</td>
</tr>
</tbody>
</table>

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 32 A, 6 h.

Positioner for VH power supply units

<table>
<thead>
<tr>
<th>Type</th>
<th>Designation</th>
<th>Colour</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-POS</td>
<td>Up to 6 kg load capacity</td>
<td>Orange</td>
<td>1</td>
<td></td>
<td>80.000</td>
<td>6109887</td>
</tr>
</tbody>
</table>

Positioner for variable height adjustment of a VH power supply unit, support load between 0.5 and 6.0 kg, maximum cable draw-out 1.5 m.

VH/VHF tension spring

<table>
<thead>
<tr>
<th>Type</th>
<th>Pack</th>
<th>Piece</th>
<th>Weight kg/100 pc.</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-F100VA</td>
<td>1</td>
<td></td>
<td>31.350</td>
<td>6109829</td>
</tr>
</tbody>
</table>

Tension spring for VH/VHF power supply units, with German eyelet.

Fmax = 100 N
L0 = 200 mm
Ln = 500 mm (for Fmax.)
Material: VA ø 3.0 mm

Always indicate the item number when ordering.
## Knotted chain

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Designation</th>
<th>Pack</th>
<th>Weight kg/100 m</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH-K800</td>
<td>Sold by the metre</td>
<td>1</td>
<td>20.000</td>
<td>6109870</td>
</tr>
</tbody>
</table>

Support cable with loop

Support cable with loop for the suspension of different loads. Suitable for indoor use.

<table>
<thead>
<tr>
<th>Type</th>
<th>Cable diameter mm</th>
<th>Operating load kg</th>
<th>Dim. L mm</th>
<th>Dim. L1 mm</th>
<th>Pack</th>
<th>Weight kg/100 pc</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>QWT S 3 M G</td>
<td>3</td>
<td>90</td>
<td>3000</td>
<td>21.5</td>
<td>1</td>
<td>19.640</td>
<td>1450133</td>
</tr>
<tr>
<td>QWT S 5 M G</td>
<td>3</td>
<td>90</td>
<td>5000</td>
<td>21.5</td>
<td>1</td>
<td>25.580</td>
<td>1450134</td>
</tr>
</tbody>
</table>

The loop permits simple wall and ceiling mounting, e.g. on ceiling hooks, ring eyelets or steel girders. With cable gripper for infinite, tool-free adjustment.

The operating load is stated with a safety factor of 5:1. The break load is 5x greater than the operating load. In combination with the universal bracket for mesh cable trays (QW GRH) or for cable trays (QW KRH), the safety factor is 1.7 according to IEC 61537 – Guide systems for cables.

## Support cable with universal bracket

Support cable with universal bracket for the suspension of different loads. Suitable for indoor use.

<table>
<thead>
<tr>
<th>Type</th>
<th>Cable diameter mm</th>
<th>Operating load kg</th>
<th>Dim. L mm</th>
<th>Dim. L1 mm</th>
<th>Pack</th>
<th>Weight kg/100 pc</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>QWT UW 3 M G</td>
<td>3</td>
<td>90</td>
<td>3000</td>
<td>21.5</td>
<td>1</td>
<td>8.765</td>
<td>1450432</td>
</tr>
<tr>
<td>QWT UW 5 M G</td>
<td>3</td>
<td>90</td>
<td>5000</td>
<td>21.5</td>
<td>1</td>
<td>15.700</td>
<td>1450433</td>
</tr>
</tbody>
</table>

Universal bracket for simple wall and ceiling mounting. One bracket side with fastening hole, e.g. for a nail tie, second side with marking for a nail setting device. With cable gripper for infinite, tool-free adjustment.

The operating load is stated with a safety factor of 5:1. The break load is 5x greater than the operating load. In combination with the universal bracket for mesh cable trays (QW GRH) or for cable trays (QW KRH), the safety factor is 1.7 according to IEC 61537 – Guide systems for cables.

## Support cable with support clamp

Support cable with support clamp for the suspension of different loads. Suitable for indoor use.

<table>
<thead>
<tr>
<th>Type</th>
<th>Cable diameter mm</th>
<th>Operating load kg</th>
<th>Dim. L mm</th>
<th>Dim. L1 mm</th>
<th>Pack</th>
<th>Weight kg/100 pc</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>QWT TK 2 M G</td>
<td>2</td>
<td>45</td>
<td>3000</td>
<td>41</td>
<td>1</td>
<td>8.520</td>
<td>1450627</td>
</tr>
<tr>
<td>QWT TK 2 M G</td>
<td>2</td>
<td>45</td>
<td>5000</td>
<td>41</td>
<td>1</td>
<td>11.830</td>
<td>1450628</td>
</tr>
</tbody>
</table>

With support clamp for knocking into steel girders of flange thickness 8–14 mm. With cable gripper for infinite, tool-free adjustment.

The operating load is stated with a safety factor of 5:1. The break load is 5x greater than the operating load. In combination with the universal bracket for mesh cable trays (QW GRH) or for cable trays (QW KRH), the safety factor is 1.7 according to IEC 61537 – Guide systems for cables.

Always indicate the item number when ordering.