



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 work-place.



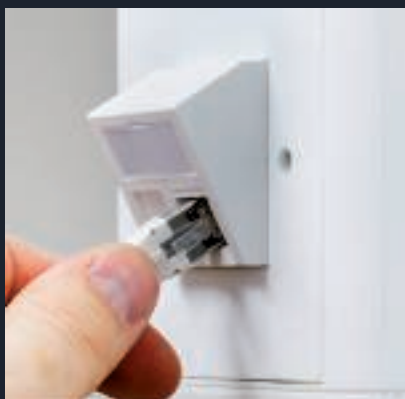
Modul 45° sockets



CEE connection units



Compressed air



Modul data and multimedia technology





IP
20

Standardised installation

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.

Modul 45 sockets

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 connection unit

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 1/2".



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 Cable suspension

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.



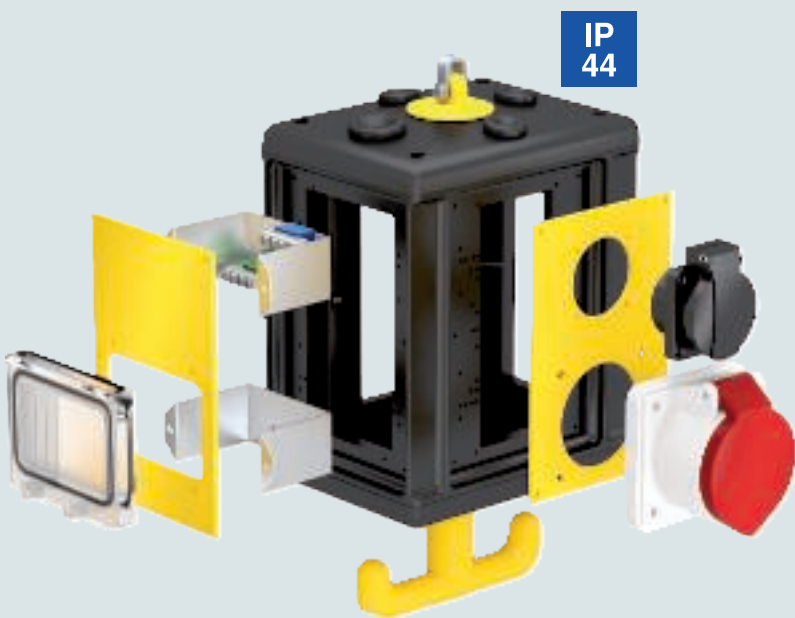
Type VH and type VHF empty housing – freely configurable



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.



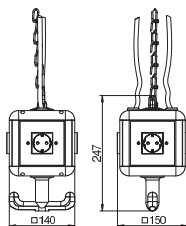
Equipment for VHF

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

PA



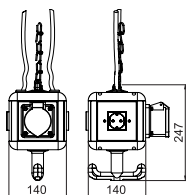
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 4SD	Graphite black	1	95.000	6109802

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.

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

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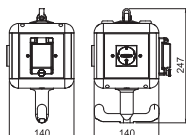
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 3SD1C16	Graphite black	1	115.700	6109804

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.

HoverCube VH-4, with FI/LS

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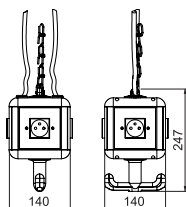


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 2SD F1LS	Graphite black	1	98.000	6109780
VH-4 2SF F1LS	Graphite black	1	97.900	6109782

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).

HoverCube VH-4, 4x earthing pin socket

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 4SF	Graphite black	1	95.000	6109806

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.

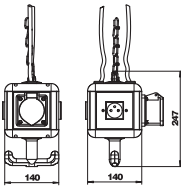
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HoverCube VH-4, 3x earthing pin socket, 1x CEE 16 A

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 3SF1C16	Graphite black	1	115.700	6109808

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.



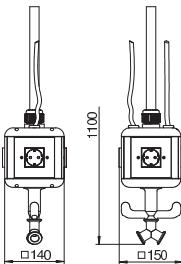
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HoverCube VH-4, 4x protective contact socket, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 4SD	Graphite black	1	428.600	6109812

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.



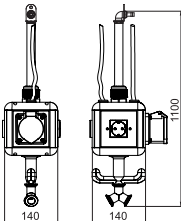
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HoverCube VH-4, 3x protective contact socket, 1x CEE 16 A, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 3SD1C16	Graphite black	1	380.000	6109814

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.



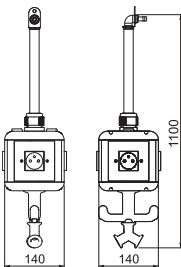
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HoverCube VH-4, 4x earthing pin socket, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 4SF	Graphite black	1	428.600	6109816

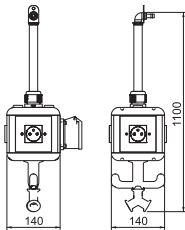
Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

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.



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

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Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VH-4L 3SF1C16	Graphite black	1	440.000	6109818

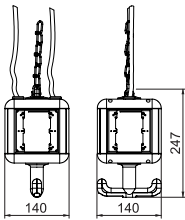
Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single 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.

VH - Empty housing and installation accessories IP20

HoverCube VH-4, empty housing

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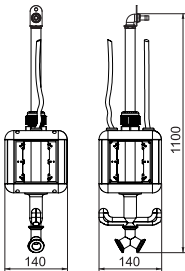


Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VH-4 LG	Graphite black	1	62.000	6109800

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

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

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Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
VH-4L LG	Graphite black	1	343.800	6109810

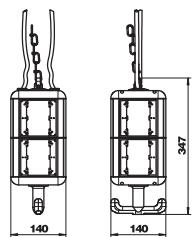
Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.

PA

HoverCube VH-8, empty housing

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8 LG	Graphite black	1	88.200	6109821

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

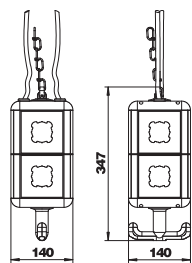


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HoverCube VH-8, empty housing, with cover plates

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

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

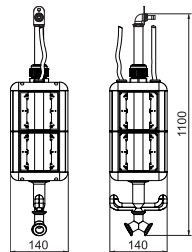


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HoverCube VH-8, empty housing, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8L LG	Graphite black	1	300.000	6109825

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.

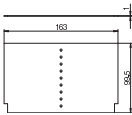


PVC

Partition VH-4

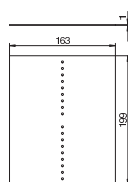
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 TW	Graphite black	1	2.350	6109832

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



Partition VH-8

PVC



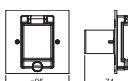
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8 TW	Graphite black	1	4.890	6109862

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

Accessories IP 20

Mounting set VH4

PA



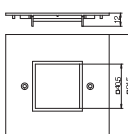
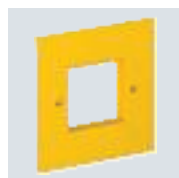
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH MS FILS	Yellow	1	10.500	6109788

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

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

VH cover plate, for Modul 45 devices, single

PA

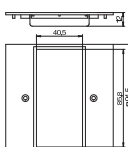


Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
VH-P4	Rape yellow	1	2.030	6109840

Cover plate to install a single Modul 45 socket.

VH cover plate, for Modul 45 devices, double

PA

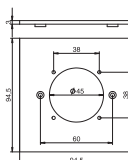


Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
VH-P5	Rape yellow	1	1.749	6109836

Cover plate to install a double Modul 45 socket.

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

PA



Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
VH-P7	Rape yellow	1	1.890	6109839

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

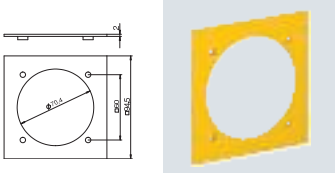
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Cover plate VH, for CEE connection unit

Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
VH-P3	Rape yellow	1	1.830	6109838

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.

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

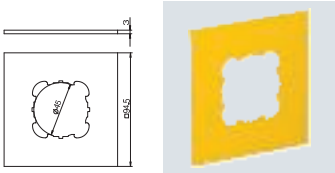


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Cover plate VH, for EK and EKR devices

Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
VH-P2	Rape yellow	1	2.300	6109834

Cover plate with opening Ø 45 mm for the installation of a device with concealed support ring or support clamp.

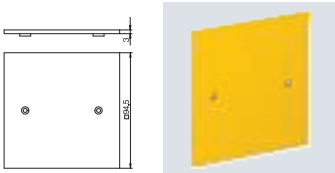


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VH cover plate as blanking cover

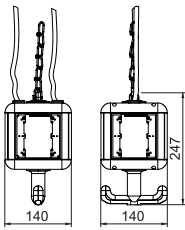
Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
VH-P1	Rape yellow	1	2.930	6109842

Cover plate as blanking cover.



HoverCube VH-4, empty housing

PA



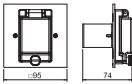
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 LG RW	Pure white	1	72.000	6109801

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

Accessories IP 20 white

Mounting set VH4

PA

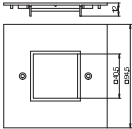
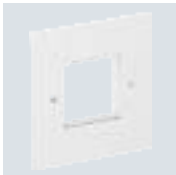


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH MS FILS RW	Pure white	1	10.500	6109789

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

VH cover plate, for Modul 45 devices, single

PA

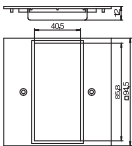


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P4 RW	Pure white	1	2.009	6109841

Cover plate to install a single Modul 45 socket.

VH cover plate, for Modul 45 devices, double

PA

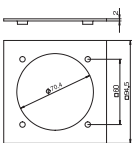


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P5 RW	Pure white	1	1.728	6109835

Cover plate to install a double Modul 45 socket.

Cover plate VH, for CEE connection unit

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Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P3 RW	Pure white	1	1.830	6109837

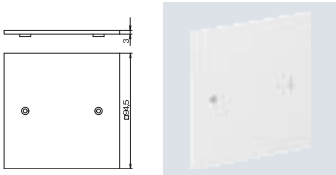
Cover plate with a Ø 70 mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

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

PA

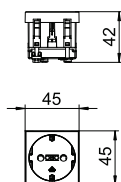
VH cover plate as blanking cover

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



0° socket, protective contact, single

PC

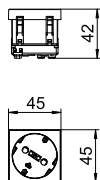


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
STD-D0 RW1	Pure white	1	4.200	6120008
STD-D0 ROR1	Pure orange	1	4.200	6120010
STD-D0 MZGN1	Signal green	1	4.200	6120012
STD-D0 SRO1	Signal red	1	4.200	6120014
STD-D0 SWGR1	Black-grey	1	4.200	6120016

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

PC

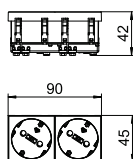


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
STD-D3S RW1	Pure white	1	4.000	6120073
STD-D3S ROR1	Pure orange	1	4.000	6120075
STD-D3S MZGN1	Signal green	1	4.000	6120077
STD-D3S SRO1	Signal red	1	4.000	6120079
STD-D3S SWGR1	Black-grey	1	4.000	6120081

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

PC

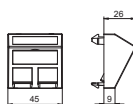


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
STD-D3S RW2	Pure white	1	7.700	6120103
STD-D3S ROR2	Pure orange	1	7.700	6120105
STD-D3S MZGN2	Signal green	1	7.700	6120107
STD-D3S SRO2	Signal red	1	7.700	6120109
STD-D3S SWGR2	Black-grey	1	7.700	6120111

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

PC



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
DTS-2C RW1	Pure white	1	1.500	6119250
DTS-2C SWGR1	Black-grey	1	1.500	6119252

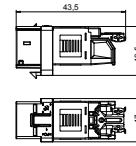
The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; ECU: E-Stone; Harting: Prelink Keystone Cat.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

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

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

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

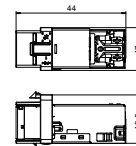
Connection module Cat. 6A (ISO) unshielded, with an RJ45 slot. Including a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type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



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

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

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



PC

USB charging device

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

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.

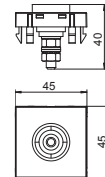


PC

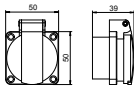
Equipotential bonding socket, 1 module, straight outlet

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
PAD-ID6 RW1	Pure white	1	5.000	6120003
PAD-ID6 SWGR1	Black-grey	1	5.000	6120001

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.



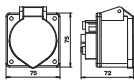
Surface-mounted socket 0° with hinged cover, protective contact, single



Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
ASD-D0 SW	Black	1	4.804	6109873

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.

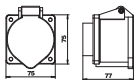
CEE connection unit, 16 A



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
CEE-16A	1	19.100	6109874

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

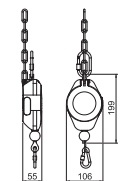
CEE connection unit, 32 A



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
CEE-32A	1	20.400	6109876

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

Positioner for VH power supply units

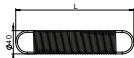


Type	Designation	Colour	Pack	Weight	Item no.
			Piece	kg/100 pc.	
VH-POS	Up to 6 kg load capacity	Orange	1	80.000	6109887

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

VA 2B



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
VH-F100VA	1	31.350	6109829

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

St

Knotted chain

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

Knotted chain made of pre-copper-plated steel, nickel-plated, according to DIN 5686.
Max. tensile force: 800 N.

Note: Specify the required chain length during ordering.



St G

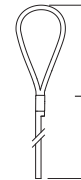
Support cable with loop

Type	Cable dia-meter	Operating load	Dim. L	Pack	Weight	Item no.
	mm	kg	mm	Piece	kg/100 pc.	
QWT S 3 3M G	3	90	3000	1	19.640	1450133
QWT S 3 5M G	3	90	5000	1	25.580	1450134

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.



St G

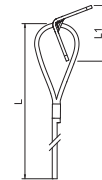
Support cable with universal bracket

Type	Cable dia-meter	Operating load	Dim. L	Dim. L1	Pack	Weight	Item no.
	mm	kg	mm	mm	Piece	kg/100 pc.	
QWT UW 3 3M G	3	90	3000	21.5	1	8.765	1450432
QWT UW 3 5M G	3	90	5000	21.5	1	15.700	1450433

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.



St G

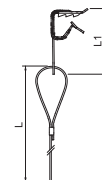
Support cable with support clamp

Type	Cable dia-meter	Operating load	Dim. L	Dim. L1	Pack	Weight	Item no.
	mm	kg	mm	mm	Piece	kg/100 pc.	
QWT TK 2 3M G	2	45	3000	41	1	8.520	1450627
QWT TK 2 5M G	2	45	5000	41	1	11.830	1450628

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

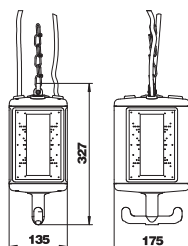
With support clamp for knocking into steel girders of flange thickness 8–14 mm. With cable gripper for infinite, tool-free adjustment.

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.



HoverCube VHF-8, empty housing

PA

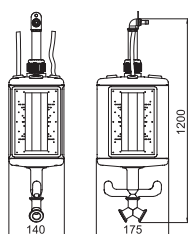


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-8 LG	Graphite black	1	105.000	6109822

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

PA



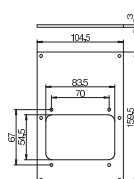
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-8L LG	Graphite black	1	400.000	6109827

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

PVC

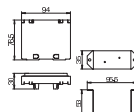


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P6	Rape yellow	1	4.700	6109867

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

Cover plate for the VHF power supply units 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	Pack Piece	Weight kg/100 pc.	Item no.
VHF-AE4TE	1	12.800	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.

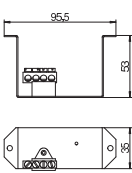
St

VHF protective unit construction, support with PE terminal strip

Type	Pack Piece	Weight kg/100 pc.	Item no.
VHF-T1	1	6.730	6109852

Support with PE terminal strip for installation of FI protection switches, consisting of:

- Base element with hat rail 35 mm and PE terminal strip 4 x 10 mm²
- Fastening material



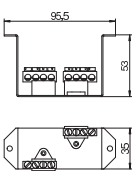
St

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

Type	Pack Piece	Weight kg/100 pc.	Item no.
VHF-T2	1	8.380	6109854

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

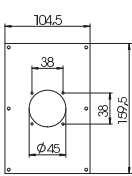


PVC

VHF cover plate, with fastening system

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P7	Rape yellow	1	6.600	6109878

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

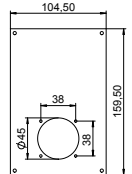


PVC

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

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P12	Rape yellow	1	7.400	6109856

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.

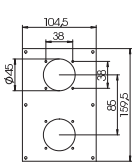


PVC

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

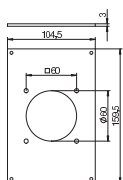
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P8	Rape yellow	1	5.900	6109879

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.



Cover plate VHF, for CEE connection unit

PVC

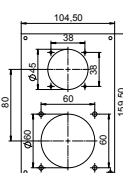


Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
VHF-P3	Rape yellow	1	7.000	6109865

Cover plate with a $\varnothing 70$ 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

PVC

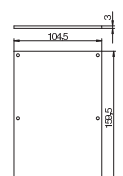


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P13	Rape yellow	1	7.400	6109858

Cover plate with a $\varnothing 45$ mm opening for the installation of one extension socket (type ASD...) with 38 mm fastening track and a $\varnothing 60$ 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

PVC

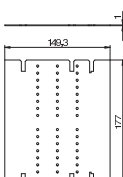


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P1	Rape yellow	1	7.000	6109868

Cover plate as blanking cover.

Partition VHF, with compressed air connection

PVC

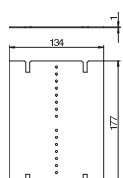


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-TW L	Graphite black	1	3.900	6109861

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

Partition VHF, without compressed air connection

PVC



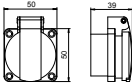
Colour		Pack	Weight	Item no.
Type	Piece	kg/100 pc.		
VHF-TW	Graphite black	1	3.520	6109860

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

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

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ASD-D0 SW	Black	1	4.804	6109873

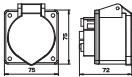
Protective contact extension socket 0° with hinged cover, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1. Protection rating: IP44.



CEE connection unit, 16 A

Type	Pack Piece	Weight kg/100 pc.	Item no.
CEE-16A	1	19.100	6109874

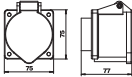
CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 16 A, 6 h.



CEE connection unit, 32 A

Type	Pack Piece	Weight kg/100 pc.	Item no.
CEE-32A	1	20.400	6109876

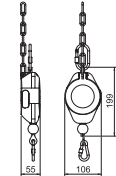
CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 32 A, 6 h.



Positioner for VH power supply units

Type	Designation	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-POS	Up to 6 kg load capacity	Orange	1	80.000	6109887

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.



VA 2B

VH/VHF tension spring

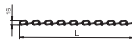
Type	Pack Piece	Weight kg/100 pc.	Item no.
VH-F100VA	1	31.350	6109829

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



Knotted chain

St



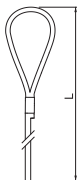
Designation		Pack	Weight	Item no.
Type		m	kg/100 m	
VH-K800	Sold by the metre	1	20.000	6109870

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

Support cable with loop

St

G



Type	Cable dia-meter mm	Operating load kg	Dim. L mm	Pack	Weight	Item no.
				Piece	kg/100 pc.	
QWT S 3 3M G	3	90	3000	1	19.640	1450133
QWT S 3 5M G	3	90	5000	1	25.580	1450134

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

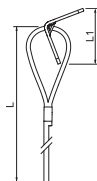
The loop permits simple wall and ceiling mounting, e.g. on ceiling hooks, ring eyelets or steel girders. With cable gripper for infinite, tool-free adjustment.

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

St

G



Type	Cable dia-meter mm	Operating load kg	Dim. L mm	Dim. L1 mm	Pack	Weight	Item no.
					Piece	kg/100 pc.	
QWT UW 3 3M G	3	90	3000	21.5	1	8.765	1450432
QWT UW 3 5M G	3	90	5000	21.5	1	15.700	1450433

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

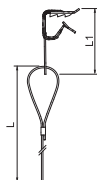
Universal bracket for simple wall and ceiling mounting. One bracket side with fastening hole, e.g. for a nail tie, second side with marking for a nail setting device. With cable gripper for infinite, tool-free adjustment.

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

St

G

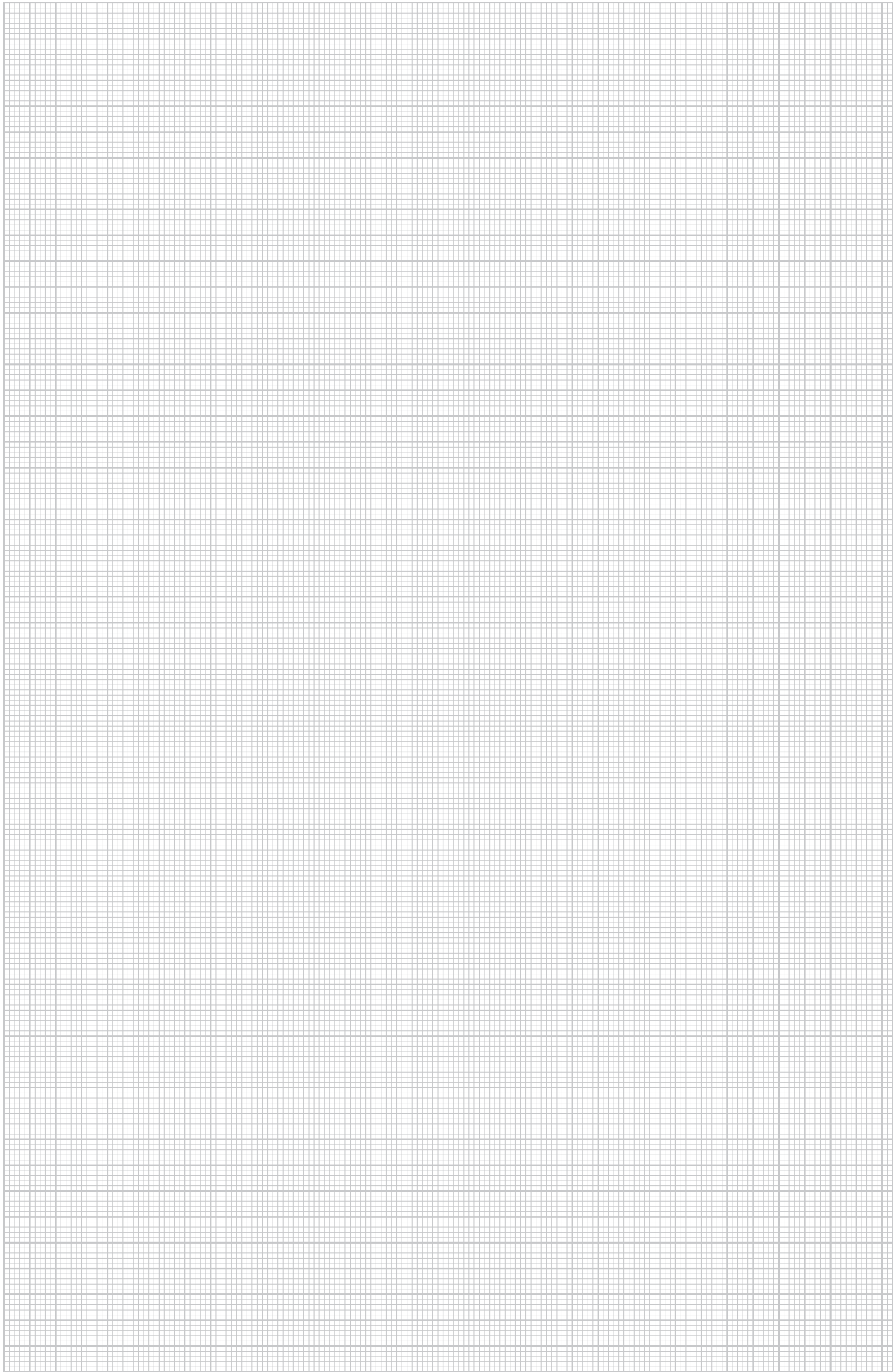


Type	Cable dia-meter mm	Operating load kg	Dim. L mm	Dim. L1 mm	Pack	Weight	Item no.
					Piece	kg/100 pc.	
QWT TK 2 3M G	2	45	3000	41	1	8.520	1450627
QWT TK 2 5M G	2	45	5000	41	1	11.830	1450628

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.



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Building Connections

