



OBO Product Compact

Building Connections



GES R2 floor sockets



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

IP
66



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 cleaning.

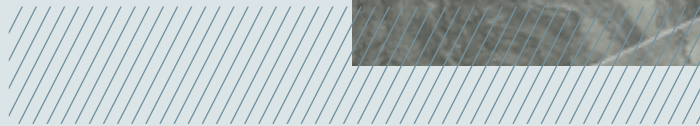
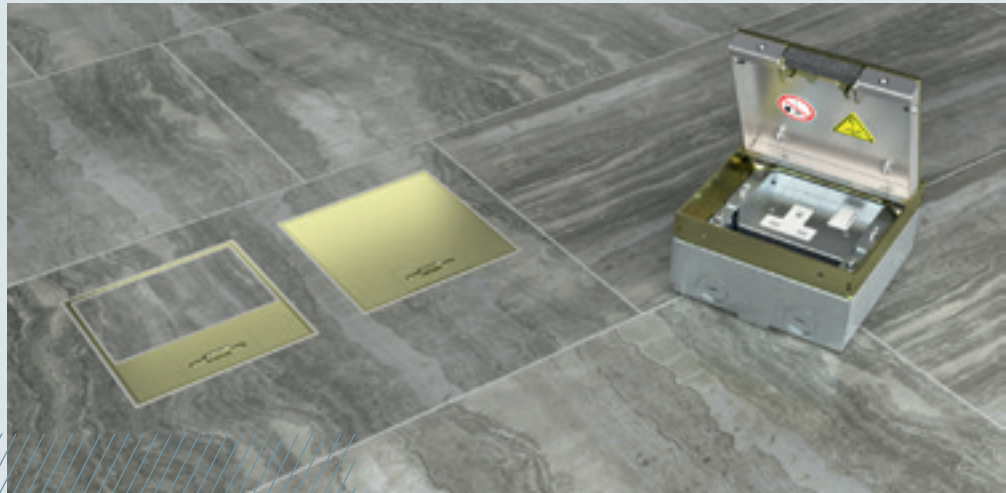


Surfaces

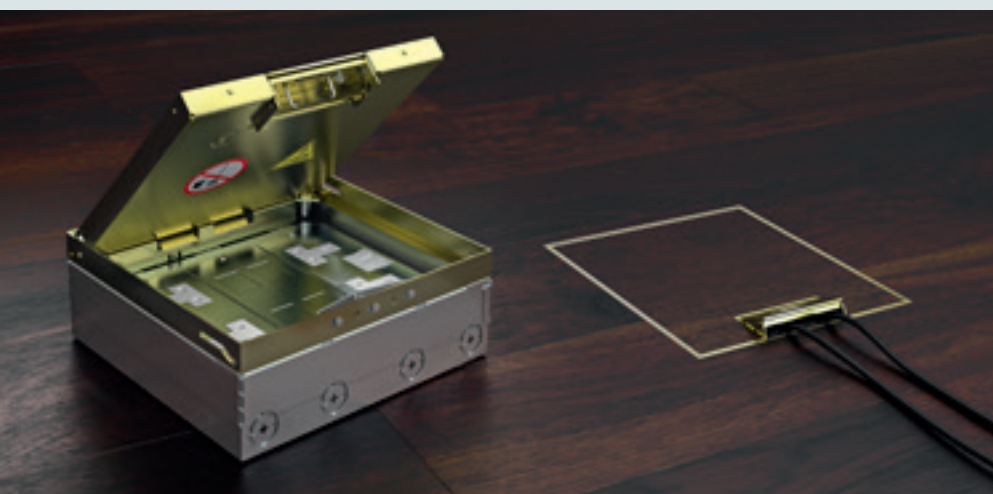
The version with hinged cover is available in the colours old copper, old brass, chrome, nickel, nickel-oxidised and deep black.

UDHOME floor sockets and floor boxes

The UDHOME-ONE with the dimension of 140 x 140 mm, combines elegant appearance and functionality. It is suitable for both dry and wet-care floors. Stainless steel or brass are used as materials.



The UDHOME4 and UDHOME9 floor boxes are the ideal solution for a wide equipment range and dry-cleaned floor coverings. The floor boxes offer a lot of space for the installation of power, data and multimedia connections and are available in discreet stainless steel and in stylish brass.



Screed floor box

Square screed socket with GES9 UGE service outlet for use in screed floors for indoor use. With pre-marked insertion openings for pipelines (M25) on all four sides. With three cover plates. The minimum installation depth is 64 mm, the height-adjustment range +23 mm.



Service units for dry-cleaned floors, with locking slider

Underfloor box with GES9UGE

PA CE



Type	Height adjustment range mm	Dimension height mm	Floor covering thickness mm	Minimum installation depth mm	Pack Piece	Weight kg/100pc.	Item no.
SFB GES9 7011 V	70 - 95		10	64	1	290.000	7429699

UDHOME-ONE floor socket, with floor covering recess, BS socket, stainless steel

A2 CE



Type	Height adjustment range mm	Dimension height mm	Floor covering thickness mm	Minimum installation depth mm	Pack Piece	Weight kg/100pc.	Item no.
UDHOME-ONE V15BS	85 - 105	85	15	95	1	211.000	7368307

UDHOME4 floor box, freely equippable, stainless steel

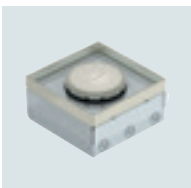
A2 CE UK CA DVE



Type	Height adjustment range mm	Dimension height mm	Floor covering thickness mm	Minimum installation depth mm	Pack Piece	Weight kg/100pc.	Item no.
UDHOME4 2V	95 - 125	95	15	95	1	384.000	7427232

UDHOME4 floor box for tube body

A2 CE



Type	Height adjustment range mm	Dimension height mm	Floor covering thickness mm	Minimum installation depth mm	Pack Piece	Weight kg/100pc.	Item no.
UDHOME4 2VF	100 - 130	100		118	1	433.000	7427201

UDHOME9 floor box, freely equippable, stainless steel

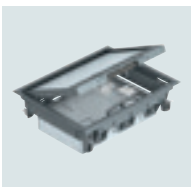
A2 CE UK CA DVE



Type	Height adjustment range mm	Dimension height mm	Floor covering thickness mm	Minimum installation depth mm	Pack Piece	Weight kg/100pc.	Item no.
UDHOME9 2V	95 - 125	95	15	95	1	470.000	7427324

GES6 service outlet with locking slider

PA CE DVE



Type	Floor covering thickness mm	Colour	Pack Piece	Weight kg/100pc.	Item no.
GES6 DB 2BS 7011	10	iron grey	1	58.500	7405273

Service units for dry-cleaned floors, with locking slider

Screed box for GES R2



Type	Screed height mm	Installation diameter mm	Pack Piece	Weight kg/100pc.	Item no.
UD GES R2	2000	122	1	218.000	7428526

Installation socket, 1.5 empty



Type	Installation depth mm	Installation diameter mm	Pack Piece	Weight kg/100pc.	Item no.
MT R2 1.5	85	122	1	19.500	7408836

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



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

0° socket with switch, British Standard, single



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
STD-BS0G RW1.5	Pure white	1	6.000	6120724

Mounting plate for data technology, type C



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

**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.

**IP
44**



Suspension of the unit



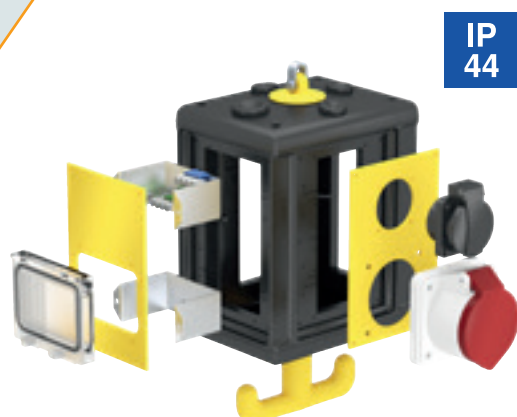
- 1** Positioner
- 2** Chain + spring
- 3** Chain



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.

VH - Prewired power supply units IP20

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

PA



Type	Dimension W x L x H mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 3SF1C16	140 x 140 x 1100	Graphite black	1	440.000	6109818

VH - Empty housing and installation accessories IP20

HoverCube VH-4, empty housing

PA



Type	Dimension W x L x H mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 LG	140 x 140 x 247	Graphite black	1	62.000	6109800

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

PA



Type	Dimension W x L x H mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L LG	140 x 140 x 1100	Graphite black	1	343.800	6109810

HoverCube VH-8, empty housing

PA



Type	Dimension W x L x H mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8 LG	140 x 140 x 347	Graphite black	1	88.200	6109821

HoverCube VH-8, empty housing, with cover plates

PA



Type	Dimension W x L x H mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8 LG8P2	140 x 140 x 347	Graphite black	1	123.400	6109820

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

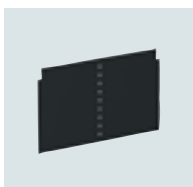
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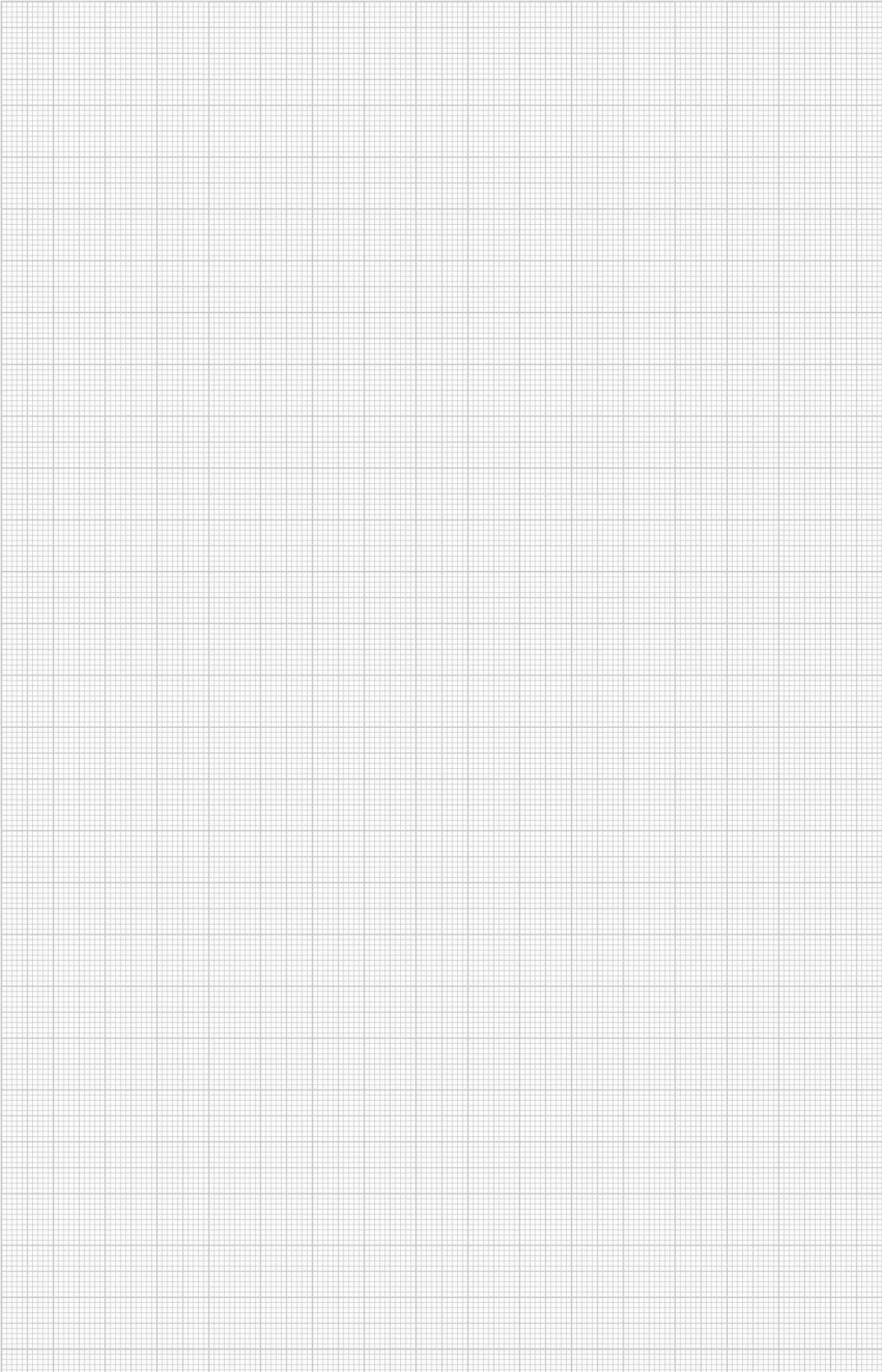
Type	Dimension W x L x H mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8L LG	140 x 140 x 1100	Graphite black	1	300.000	6109825

Partition VH-4

PVC



Type	Dimension W x L x H mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 TW	163 x 99,5 x 1	Graphite black	1	2.350	6109832



Supply from the floor and the ceiling

Service poles | Versatile use



Flexibility is important. Not only in open-plan offices or in temporary set-ups, in addition to the type of connections, the positioning of the supply is of key significance. The floor to ceiling service pole system means that a supply is possible exactly where it is currently needed.



The poles use the supply from the ceiling and can be freely positioned in the room using a simple clamping device or gland on the floor.

Workstations, exhibitions, trade fair stands – the different sizes and shapes of the service poles as well as the variable equipment with standard or Modul 45 sockets allow the optimum adaptation of the service poles to the immediate surroundings.



Floor-ceiling service poles, sheet steel

Service pole, type ISSOGHS70140

Alu EL



Type	Surface	Length mm	Number of compartments pc.	Pack Piece	Weight kg/100 pc.	Item no.
ISSOGHS70140EL	Anodised	675	1	1	220.500	6289096

Service pole, sheet steel, with sheet steel cover

St CE



Type	Colour	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
ISS70110STSRW	Pure white	2505	1	1,121.000	6286530

Accessory mounting box, British Standard, single

PA CE UK CA



Type	Pack Piece	Weight kg/100 pc.	Item no.
71GDBS1	10	5.300	6288585

Accessory mounting box, British Standard, double

PA CE UK CA



Type	Pack Piece	Weight kg/100 pc.	Item no.
71GDBS2	10	5.300	6288586

Floor trunking, type 2650

PVC CE BK



Type	Length mm	Width mm	Height mm	Colour	Pack Piece	Weight kg/100m	Item no.
2650	2000	73	18	stone grey	2	43.000	6020801

Cable gland systems, plastic



Long live variety!

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings.

Cable gland, metric thread, set with locknut, light grey



Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
V-TEC VM12+ LGR	Light grey	600		50		0.337	2022762
V-TEC VM16+ LGR	Light grey	500		50		0.795	2022764
V-TEC VM20+ LGR	Light grey	600		50		1.106	2022766
V-TEC VM25+ LGR	Light grey	300		25		1.710	2022768
V-TEC VM32+ LGR	Light grey	240		20		2.840	2022770
V-TEC VM40+ LGR	Light grey	120		10		5.150	2022772
V-TEC VM50+ LGR	Light grey	60		5		6.356	2022774
V-TEC VM63+ LGR	Light grey	60		5		10.136	2022776

Cable gland, PG thread, set with locknut, light grey



Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
V-TEC PG7+ LGR	Light grey	600		50		0.503	2024655
V-TEC PG9+ LGR	Light grey	500		50		0.799	2024657
V-TEC PG11+ LGR	Light grey	500		50		1.074	2024659
V-TEC PG13,5+LGR	Light grey	400		50		1.276	2024661
V-TEC PG16+ LGR	Light grey	250		25		1.705	2024663
V-TEC PG21+ LGR	Light grey	300		25		2.756	2024665
V-TEC PG29+ LGR	Light grey	240		20		5.120	2024667
V-TEC PG36+ LGR	Light grey	120		10		7.713	2024669
V-TEC PG42+ LGR	Light grey	60		5		9.406	2024671
V-TEC PG48+ LGR	Light grey	60		5		11.290	2024673

Supply from the wall

Open skirting trunking



Straight design

Practical, versatile, flexible – Rapid skirting trunking is a real workhorse. Various versions and countless fittings bring all kinds of supply connections to the wall exactly where they are required.

The two different sizes can be equipped as required with standard or Modul 45 sockets and adapted perfectly to the appropriate room requirements.



Depending on requirements, versions in plastic, aluminium or steel are available. The halogen-free and anti-bacterial variants are suitable for special safety requirements.

The trunking made from metal can be powder-coated in all RAL shades.

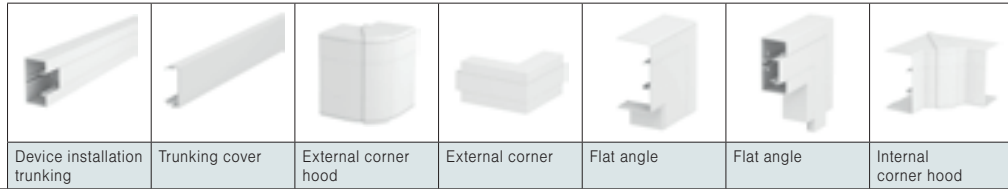
Rapid 45-2 GKH device installation trunking

Device installation trunking system with 45 mm system opening for direct installation of switching and plug-in devices from the Modul 45 series

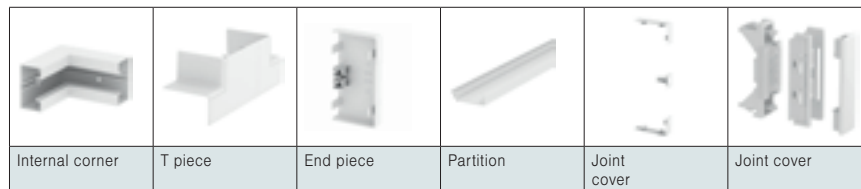


HALOGEN FREE

Colour: Pure white



GKH-53100 Trunking height 53 mm Trunking width 100 mm	6114157	6114162	6113050	6113045	6113090	6113085	6113070
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GKH-53100 Trunking height 53 mm Trunking width 100 mm	6113065	6113100	6113110	6114166	6113020	6113030
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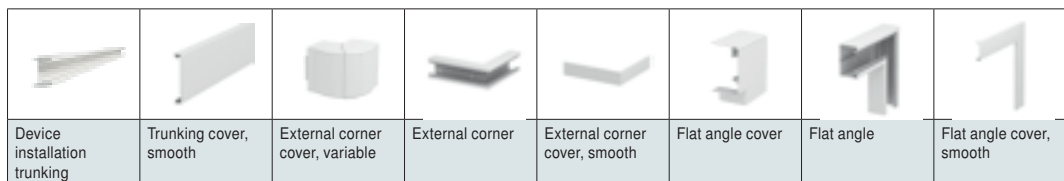
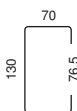
Rapid 80 GKH device installation trunking

Device installation trunking with 80 mm system opening for installation of switching and connecting devices in device installation sockets

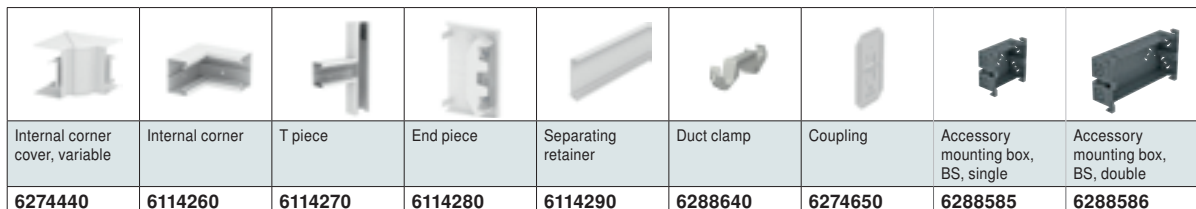


HALOGEN FREE

Colours: Pure white

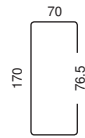


GKH70130 Trunking height 70 mm, Trunking width 130 mm	6114200	6114210	6274410	6114220	6114230	6274420	6114240	6114250
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6274440	6114260	6114270	6114280	6114290	6288640	6274650	6288585	6288586
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Rapid 80 GKH device installation trunking



GKH70130

Trunking height 70 mm,
Trunking width 130 mm

Device installation trunking	Trunking cover, smooth	External corner cover, variable	External corner	External corner cover, smooth	Flat angle cover	Flat angle	Flat angle cover, smooth
6114300	6114210	6274610	6114320	6114230	6274620	6114340	6114250

Internal corner cover, variable	Internal corner	T piece	End piece	Separating retainer	Duct clamp	Coupling	Accessory mounting box, BS, single	Accessory mounting box, BS, double
6274640	6114360	6114370	6114380	6114290	6288640	6274650	6288585	6288586









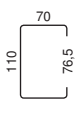
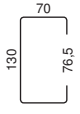
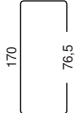
Overview, Rapid 80 GK device installation trunking











- Colours:
- Pure white
 - Cream
 - Light grey
 - Stone grey









		Device installation trunking	Trunking cover, smooth	External corner cover, variable	External corner	External corner cover, smooth	Flat angle cover	Flat angle
GK70110 Trunking height 70 mm, trunking width 110 mm		6274 30 0	6278 68 0	6274 21 0	6274 31 0	6274 79 0	6274 22 0	6274 32 0
		6274 30 1	6278 68 1	6274 21 1	6274 31 1	6274 79 1	6274 22 1	6274 32 1
		6274 30 2	6278 68 2	6274 21 2	6274 31 2	6274 79 2	6274 22 2	6274 32 2
		6274 30 6	6278 68 6	-	6274 31 6	6274 79 6	-	6274 32 6
GK70130 Trunking height 70 mm, trunking width 130 mm		6274 50 0	6278 68 0	6274 41 0	6274 51 0	6274 79 0	6274 42 0	6274 52 0
		6274 50 1	6278 68 1	6274 41 1	6274 51 1	6274 79 1	6274 42 1	6274 52 1
		6274 50 2	6278 68 2	6274 41 2	6274 51 2	6274 79 2	6274 42 2	6274 52 2
		6274 50 6	6278 68 6	-	6274 51 6	6274 79 6	-	6274 52 6
GK70130 Trunking height 70 mm, trunking width 170 mm		6274 70 0	6278 68 0	6274 61 0	6274 71 0	6274 79 0	6274 62 0	6274 72 0
		6274 70 1	6278 68 1	6274 61 1	6274 71 1	6274 79 1	6274 62 1	6274 72 1
		6274 70 2	6278 68 2	6274 61 2	6274 71 2	6274 79 2	6274 62 2	6274 72 2
		6274 70 6	6278 68 6	-	6274 71 6	6274 79 6	-	6274 72 6









Overview, Rapid 80 GK device installation trunking

									
		Flat angle cover, smooth	Internal corner cover, variable	Internal corner	T piece	End piece	Partition	Trunking clamp	Coupling
GK70110 Trunking height 70 mm, trunking width 110 mm		6274 49 0	6274 24 0	6274 34 0	6274 36 0	6274 37 0	6274 90 0	6288 64 0	6274 65 0
		6274 49 1	6274 24 1	6274 34 1	6274 36 1	6274 37 1	6274 90 0	6288 64 0	6274 65 0
		6274 49 2	6274 28 2	6274 34 2	6274 36 2	6274 37 2	6274 90 0	6288 64 0	6274 65 0
		6274 49 6	-	6274 34 6	6274 36 6	6274 37 6	6274 90 0	6288 64 0	6274 65 0
GK70130 Trunking height 70 mm, trunking width 130 mm		6274 49 0	6274 44 0	6274 54 0	6274 56 0	6274 57 0	6274 90 0	6288 64 0	6274 65 0
		6274 49 1	6274 44 1	6274 54 1	6274 56 1	6274 57 1	6274 90 0	6288 64 0	6274 65 0
		6274 49 2	6274 44 2	6274 54 2	6274 56 2	6274 57 2	6274 90 0	6288 64 0	6274 65 0
		6274 49 6	-	6274 54 6	6274 56 6	6274 57 6	6274 90 0	6288 64 0	6274 65 0
GK70170 Trunking height 70 mm, trunking width 170 mm		6274 49 0	6274 64 0	6274 74 0	6274 76 0	6274 77 0	6274 90 0	6288 64 0	6274 65 0
		6274 49 1	6274 64 1	6274 74 1	6274 76 1	6274 77 1	6274 90 0	6288 64 0	6274 65 0
		6274 49 2	6274 64 2	6274 74 2	6274 76 2	6274 77 2	6274 90 0	6288 64 0	6274 65 0
		6274 49 6	-	6274 74 6	6274 76 6	6274 77 6	6274 90 0	6288 64 0	6274 65 0









Device installation overview









								
Type	SDE-RW D0RW1	SDE-RW D0RT1	SDE-RW D0RW2	SDE-RW D0RT2	SDE-RW D0RW3	SDE-RW D0RT3	SDE-RW D0RW1B	SDE-RW D0RT1B
Version	Single	Single	Double	Double	Triple	Triple	Single	Single
Colour	Pure white	Signal red	Pure white	Signal red	Pure white	Signal red	Pure white	Signal red
Item no.	6119 40 1	6119 40 3	6119 40 7	6119 40 9	6119 41 4	6119 41 3	6119 42 1	6119 42 3









								
Type	SDE-RW D0RW2B	SDE-RW D0RT2B	SDE-RW D0RW3B	SDE-RW D0RT3B	ÜSM-A	71GDCEE16	71GD8-2	71GD13
Version	Double	Double	Triple	Triple		16 A	Single	Double
Colour	Pure white	Signal red	Pure white	Signal red		Signal red	Iron grey	Iron grey
Item no.	6119 42 7	6119 42 9	6119 43 3	6119 43 5	5092 45 1	6119 48 3	6288 56 9	6288 58 3








								
Type	71GD9-2	STD-D0 RW1	STD-D0 SRO1	STD-D0 RW2	STD-D0 SRO2	STD-D0 RW3	STD-D0 SRO3	WS-UB RW1
Version	Triple	Single	Single	Double	Double	Triple	Triple	1 module
Colour	Iron grey	Pure white	Signal red	Pure white	Signal red	Pure white	Signal red	Pure white
Item no.	6288 57 9	6120 00 8	6120 01 4	6120 02 2	6120 02 8	6120 04 2	6120 04 8	6120 93 2

Device installation overview

								
	Modul 45 change-over switch	Modul 45 change-over switch	Modul 45 roller shutter switch	Modul 45 roller shutter switch	Modul 45 mounting support	Modul 45 mounting support	Modul 45 mounting support	Modul 45 dat technology support type RM
Type	WS-UB RW0.5	TA-WB RW1	RS-BS RW1	RT-BS RW1	71MT1 45	71MT2 45	71MT3 45	DTG-2RM RW1
Version	1/2 module	1 module	1 module	1 module	Single	Double	Triple	Straight outlet
Colour	Pure white	Pure white	Pure white	Pure white	Iron grey	Iron grey	Iron grey	Pure white
Item no.	6120 92 0	6120 96 6	6120 95 0	6120 98 0	6288 57 2	6288 57 6	6288 57 4	6119 29 2

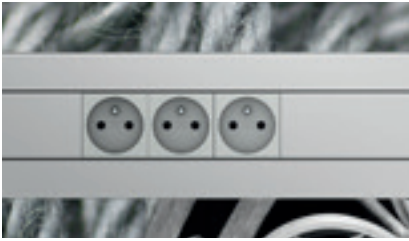
								
	Modul 45 dat technology support type RM	Modul 45 data technology support type RM	Data connection module RJ45, Cat. 6	Modul 45 cover frame without labelling panel	Modul 45 cover frame with labelling panel	Modul 45 cover frame without labelling panel	Modul 45 cover frame with labelling panel	Modul 45 cover frame without labelling panel
Type	DTG-2RM RW1	DTS-2RM RW1	ASM-C6 G	AR45-F1 RW	AR45-BF1 RW	AR45-F2 RW	AR45-BF2 RW	AR45-F3 RW
Version	Straight outlet	Slanting outlet	Cat. 6	Single	Single	Double	Double	Triple
Colour	Pure white	Pure white	Cat. 6	Pure white	Pure white	Pure white	Pure white	Pure white
Item no.	6119 29 2	6119 29 8	6117 32 9	6119 32 2	6119 33 2	6119 34 2	6119 35 2	6119 37 2

								
	Modul 45 cover frame with labelling panel	Accessory mounting box, British Standard	Accessory mounting box, British Standard	Modul 45 socket 0°, British Standard	Modul 45 socket 0°, British Standard	Standard device installation socket 2	Standard device installation socket 2	Standard mounting support Data technology
Type	AR45-BF3 RW	71GDBS1	71GDBS2	STD-BS0 RW1	STD-BS0G RW1.5	71GD6	71GD7	71MTD
Version	Triple	Single	Double	without switch	with switch	Single	Double	Single
Colour	Pure white	Iron grey	Iron grey	Pure white	Pure white	Iron grey	Iron grey	Iron grey
Item no.	6119 38 2	6288585	6288586	6120722	6120724	6288 61 0	6288 61 1	6288 57 7

							
	Standard cover frame	Antenna socket, 1 module, TV / radio / SAT single socket	Audio cinch connection, 1 module, slanting outlet as 1:1 coupling	VGA connection, 1 module, sloping outlet with connection cable	HDMI connection, 1 module, sloping outlet with connection cable	USB 3.0 connection, 1 module, slanting outlet, with connection cable	USB charger, 1 module, 2 USB sockets, max. 2.1 A charging current
Type	AR50-F1 RW	ANT-3E RW1	MTS-2R F RW1	MTS-VGA F RW1	MTS-HD F RW1	1 module, outlet	MTG-2UC2.1 RW1
Version	Single						
Colour	Pure white	Pure white	Pure white	Pure white	Pure white	Pure white	Pure white
Item no.	6119 39 2	6105 28 2	6105 07 8	6104 67 0	6104 83 8	6104 93 4	6105 30 0

CHECK

What are the basic types?



45 mm system opening



80 mm system opening

Which variants are available?

Rapid 45	Material	Trunking height in mm	Trunking width in mm	RAL 9010 pure white	RAL 7035 light grey	Anodised	Special colour
	Plastic	1	53	100	✓	✓	
Plastic	2	53	130	✓	✓		
		53	165	✓	✓		
Plastic	3	53	160	✓	✓		
Aluminium	1	53	100	✓		✓	✓
	2	53	130	✓		✓	✓
			53	165	✓		✓

Rapid 80	Material	Trunking height in mm	Trunking width in mm	RAL 9010 pure white	RAL 9001 cream	RAL 7035 light grey	RAL 7030 stone grey	Anodised	Special colour
	Plastic	1	70	110	✓	✓	✓	✓	
130				✓	✓	✓	✓		
170				✓	✓	✓	✓		
Sheet steel	1	70/90	110	✓					
			130	✓				✓	
			170	✓				✓	
			210	✓				✓	
Sheet steel	2	70/90	170	✓					✓
			210	✓					✓
Aluminium	1	70	110	✓				✓	✓
			130	✓				✓	✓
		90	130	✓				✓	✓
		70	170	✓				✓	✓
Aluminium	2	90	210	✓				✓	✓

- 1 Single-compartment
- 2 Two-compartment
- 3 Three-compartment

What additional fittings exist?



External corner, variable



External corner



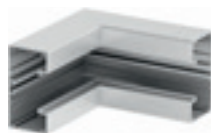
T piece adapter



End piece



Internal corner, variable



Internal corner



Flat angle

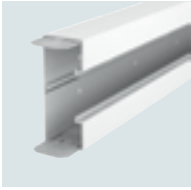


Flat angle cover

Matching fittings are available for all variants of the skirting trunking.

Trunking height 70 mm, trunking width 170 mm

Device installation trunking Rapid 80



Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
GK-70170RW	Pure white	2000	2	180.000	6274700
GK-70170CW	Cream	2000	2	180.000	6274701
GK-70170LGR	Light grey	2000	2	180.000	6274702
GK-70170GR	Stone grey	2000	8	180.000	6274706

Coupling GK-KUP



Type	Colour	Pack PU	Weight kg/100 PUs	Item no.
GK-KUP	Light grey	1	2.140	6274650

Accessory mounting box 71GD6, single



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

Accessory mounting box, British Standard, single



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
71GDBS1	Iron grey	10	3.300	6288585

Accessory mounting box, British Standard, double



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
71GDBS2	Iron grey	10	5.300	6288586

7ZE strain relief



Type	Pack Piece	Weight kg/100 pc.	Item no.
7ZE	50	0.700	6288790

Plastic trunking cover, smooth



Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
GK-OTGRW	Pure white	2000	2	27.500	6278680
GK-OTGCW	Cream	2000	2	27.500	6278681
GK-OTGLGR	Light grey	2000	2	27.500	6278682
GK-OTGGR	Stone grey	2000	16	27.500	6278686

Trunking height 70 mm, trunking width 170 mm

Plastic trunking cover, fluted



Type	Colour	Length mm	Pack m	Weight kg/100m	Item no.
GK-OTKRW	Pure white	2000	2	27.000	6278780
GK-OTKCW	Cream	2000	2	27.000	6278781
GK-OTKLGR	Light grey	2000	2	27.000	6278782

External corner cover, for device installation trunking Rapid 80 type 70170



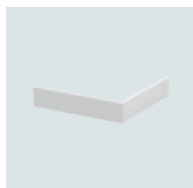
Type	Colour	Length mm	Pack Piece	Weight kg/100pc.	Item no.
GK-AH70170RW	Pure white	130.5	1	20.490	6274610
GK-AH70170CW	Cream	130.5	1	20.490	6274611
GK-AH70170LGR	Light grey	130.5	1	20.490	6274612

External corner, for device installation trunking Rapid 80 type GK-70170



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-A70170RW	Pure white	1	149.000	6274710
GK-A70170CW	Cream	1	149.000	6274711
GK-A70170LGR	Light grey	1	149.000	6274712
GK-A70170GR	Stone grey	1	149.000	6274716

External corner cover, smooth



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-OTGARW	Pure white	1	9.500	6274790
GK-OTGACW	Cream	1	9.500	6274791
GK-OTGALGR	Light grey	1	9.500	6274792
GK-OTGAGR	Stone grey	2	9.500	6274796

Flat angle cover, for device installation trunking Rapid 80 type 70170



Type	Colour	Length mm	Pack Piece	Weight kg/100pc.	Item no.
GK-FH70170RW	Pure white	212.5	1	26.150	6274620
GK-FH70170CW	Cream	212.5	1	26.150	6274621
GK-FH70170LGR	Light grey	212.5	1	26.150	6274622

Flat angle, for device installation trunking Rapid 80 type GK-70170



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-F70170RW	Pure white	1	91.000	6274720
GK-F70170CW	Cream	1	91.000	6274721
GK-F70170LGR	Light grey	1	91.000	6274722
GK-F70170GR	Stone grey	1	91.000	6274726

Flat angle cover, smooth



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-OTGFRW	Pure white	1	17.000	6274490
GK-OTGFCW	Cream	1	17.000	6274491
GK-OTGFLGR	Light grey	1	17.000	6274492
GK-OTGFGR	Stone grey	1	17.000	6274496

Trunking height 70 mm, trunking width 170 mm

Internal corner cover, for device installation trunking Rapid 80 type 70170



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-IH70170RW	Pure white	1	16.300	6274640
GK-IH70170CW	Cream	1	16.300	6274641
GK-IH70170LGR	Light grey	1	16.300	6274642

Internal corner, for device installation trunking Rapid 80 type GK-70170



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-I70170RW	Pure white	1	130.000	6274740
GK-I70170CW	Cream	1	130.000	6274741
GK-I70170LGR	Light grey	1	130.000	6274742
GK-I70170GR	Stone grey	1	130.000	6274746

T piece, for device installation trunking Rapid 80 type GK-70170



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-T70170RW	Pure white	1	120.000	6274760
GK-T70170CW	Cream	1	120.000	6274761
GK-T70170LGR	Light grey	1	120.000	6274762
GK-T70170GR	Stone grey	1	120.000	6274766

End piece, for device installation trunking Rapid 80 type 70170



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
GK-E70170RW	Pure white	1	6.840	6274770
GK-E70170CW	Cream	1	6.840	6274771
GK-E70170LGR	Light grey	1	6.840	6274772
GK-E70170GR	Stone grey	1	6.840	6274776

Partition GK-TW70



Type	Length mm	Pack m	Weight kg/100m	Item no.
GK-TW70	2000	2	17.400	6274900

Duct clamp KL80A



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
KL80A	Light grey	20	0.685	6288640

Installation – the professional way.

Fastening systems for day-to-day use.



Quick clip



The high-speed clip

- + Extreme loading capacity
- + Maximum stability
- + Extremely easy mounting
- + Insertion slopes
- + Slot fastening
- + Suitable for lining up
- + Latch-in hole/middle stopper

With its unique design and the modified halogen-free material from which it is built, the Quick clip is exceptionally robust. Maximum pipe extraction values: up to 230 N. Rounded retaining arms on the exterior provide the highest level of stability. The roundness means that the clip is extremely torsionresis-

tant. The bull horns ensure automatic alignment of the clip. At clip inclines of up to 15°, the clips align themselves automatically upon insertion of the pipe. Insertion slopes, specially adapted to the pipe dimensions, simplify the insertion of the pipe in the clip. The slots enable alignment of the clip during instal-

lation. OBO's patented system for lining up clips can withstand 25% higher loads than conventional systems. Clips can additionally be placed on either side of each other. The combination of latch-in hole and middle stopper means the clips are always arrested and fixed in the centre position when lined up.

Quick clip, light grey



Type	Nominal size	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
2955 M16	M16	light grey	1200		100		0.252	2149004
2955 M20	M20	light grey	1200		100		0.325	2149010
2955 M25	M25	light grey	1200		100		0.430	2149016
2955 M32	M32	light grey	600		50		0.630	2149022
2955 M40	M40	light grey	600		50		0.835	2149028
2955 M50	M50	light grey	300		25		1.454	2149034
2955 M63	M63	light grey	240		20		2.203	2149040

Quick clip, black



Type	Nominal size	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
2955 M16 SW	M16	Jet black			100		0.252	2149559
2955 M20 SW	M20	Jet black			100		0.325	2149563
2955 M25 SW	M25	Jet black			100		0.430	2149567
2955 M32 SW	M32	Jet black			50		0.630	2149571
2955 M40 SW	M40	Jet black			50		0.835	2149575
2955 M50 SW	M50	Jet black			25		1.454	2149579
2955 M63 SW	M63	Jet black			20		2.203	2149583

Screwless terminals

Universal plug-in terminal, 2-pole



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 225 FL	transparent	100	0.200	2054450

Universal plug-in terminal, 3-pole



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 325 FL	transparent	75	0.270	2054454

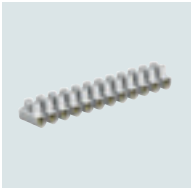
Universal plug-in terminal, 5-pole



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 525 FL	transparent	50	0.410	2054458

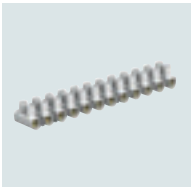


4 mm² series connectors, polypropylene



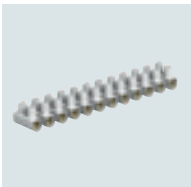
Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
72 CE WS/EKL 0 S	white	500		10		1.800	2056070

6 mm² series connectors, polypropylene



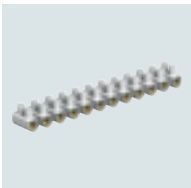
Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
74 CE WS/EKL 1 S	white	200		10		2.600	2056224

10 mm² series connectors, polypropylene



Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
76 CE WS/EKL 2 S	white	100		10		4.300	2056372

16 mm² series connectors, polypropylene



Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
78 CE WS/EKL 3 S	white	100		10		7.500	2056550

35 mm² series connectors, polypropylene



Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
79 CE WS/EKL 4BE	white	50		10		11.200	2056577

35 mm² series connectors, polypropylene



Type	Colour	Shipping box	Piece	Pack	Piece	Weight kg/100pc.	Item no.
80 CE WS/EKL 5E	white	50		10		17.400	2056590



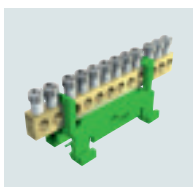
Protective conductor terminals

Protection conductor terminals, with screw contacts, 7 terminals



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
60 S 7x16 GN	Green	10	2.900	2054019

Protection conductor terminals, with screw contacts, 12 terminals



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
60 S 12x16 GN	Green	10	4.200	2054094

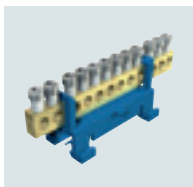
Neutral conductor terminals

Neutral conductor terminals, with screw contacts, 7 terminals

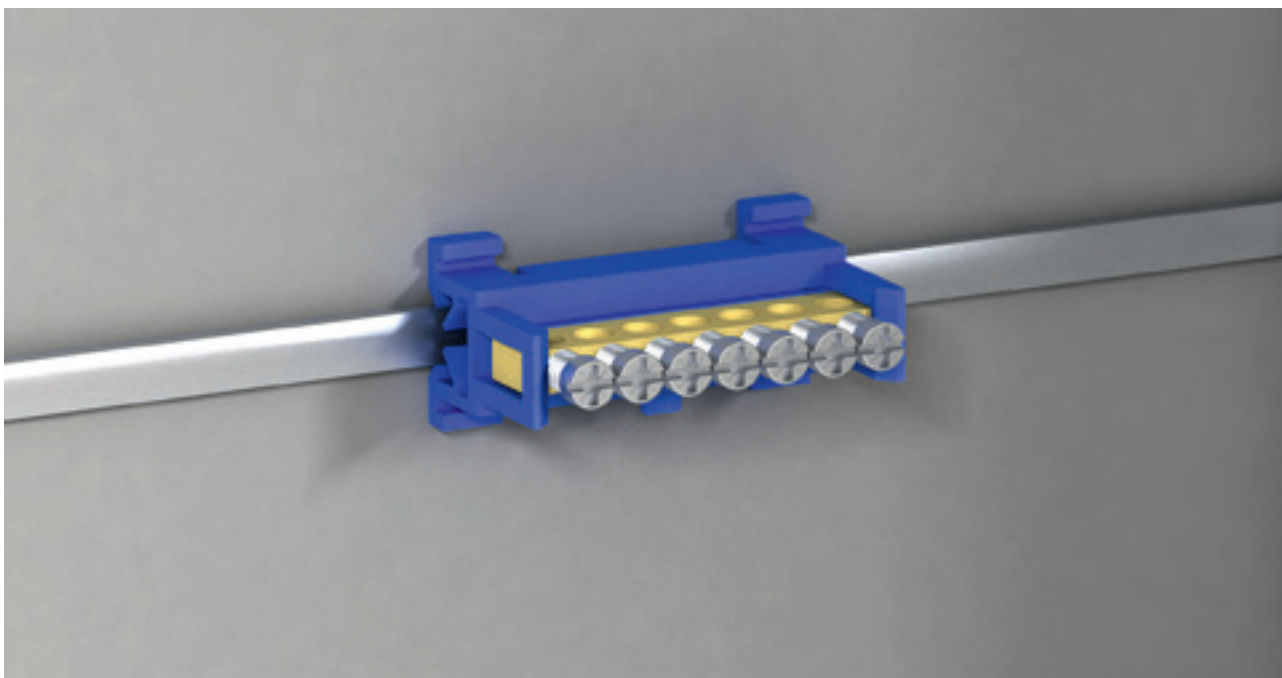


Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
60 N 7x16 BL	Blue	10	2.900	2054000

Neutral conductor terminals, with screw contacts, 12 terminals



Type	Colour	Pack Piece	Weight kg/100pc.	Item no.
60 N 12x16 BL	Blue	10	4.200	2054086



Clamp clips

Fastening systems



Clamp clips, N base

Clamp clip, single, plastic pressure trough



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. G mm	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm	Pack Piece	Weight kg/100pc.	Item no.
2056N 12 FT	8 - 12	20	16	34	M6	1.5	5	34	34	3	100	2.500	1163124
2056N 16 FT	12 - 16	20	20	34	M6	1.5	5	38	34	3	100	2.750	1163167
2056N 22 FT	16 - 22	20	27	34	M6	1.5	5	44	34	3	100	3.100	1163221
2056N 28 FT	22 - 28	20	33	34	M6	2	5	51	34	3	100	4.600	1163280
2056N 34 FT	28 - 34	20	39	34	M8	2	5.5	59	37.5	5	100	5.900	1163345
2056N 40 FT	34 - 40	20	45	34	M8	2	5.5	66	37.5	5	100	5.970	1163396
2056N 46 FT	40 - 46	20	51	40	M8	2	5.5	72	37.5	5	100	6.640	1163469
2056N 52 FT	46 - 52	20	57	40	M8	2	6.5	79	37.5	5	100	7.270	1163523
2056N 58 FT	52 - 58	23	64	40	M8	2.5	6.5	86	45.5	5	50	10.560	1163582
2056N 64 FT	58 - 64	23	70	40	M8	2.5	6.5	92	45.5	5	50	11.200	1163647
2056N 70 FT	64 - 70	23	76	40	M8	2.5	6.5	99	45.5	5	50	12.330	1163701



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. G mm	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm	Pack Piece	Weight kg/100pc.	Item no.
2056N 12 ALU	8 - 12	20	16	34	M6	1.5	5	34	38	2	50	0.900	1183605
2056N 16 ALU	12 - 16	20	20	34	M6	1.5	5	38	38	2	50	1.090	1183613
2056N 22 ALU	16 - 22	20	27	34	M6	1.5	5	44	41	2	50	1.200	1183621
2056N 28 ALU	22 - 28	20	33	34	M6	2	5	51	42	2	50	1.700	1183648
2056N 34 ALU	28 - 34	20	39	34	M8	2	5.5	59	52	2	50	2.200	1186356
2056N 40 ALU	34 - 40	20	45	34	M8	2	5.5	66	54	2	50	2.350	1183664
2056N 46 ALU	40 - 46	20	51	40	M8	2	5.5	72	55	2	50	2.550	1183672
2056N 52 ALU	46 - 52	20	57	40	M8	2	6.5	79	57	2	50	2.880	1183680
2056N 58 ALU	52 - 58	23	64	40	M8	2.5	6.5	86	58	2	50	4.100	1183699

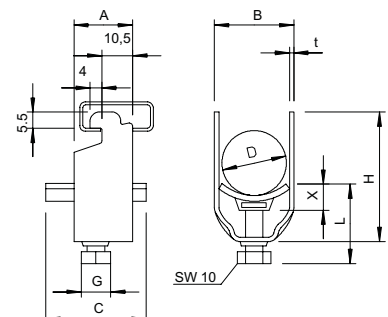


Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. G mm	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm	Pack Piece	Weight kg/100pc.	Item no.
2056N 16 A2	12 - 16	20	20	34	M6	1.5	5	38	34	3	50	2.919	1166026
2056N 22 A2	16 - 22	20	27	34	M6	1.5	5	44	34	3	50	4.400	1166034
2056N 28 A2	22 - 28	20	33	34	M6	2	5	51	34	3	50	6.500	1166042
2056N 34 A2	28 - 34	20	39	34	M8	2	5.5	59	37.5	5	50	8.000	1166050
2056N 40 A2	34 - 40	20	45	34	M8	2	5.5	66	37.5	5	25	6.155	1166069
2056N 46 A2	40 - 46	20	51	40	M8	2	5.5	72	37.5	5	25	6.770	1166077

Clamp clip, double, plastic pressure trough



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. G mm	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm	Pack Piece	Weight kg/100pc.	Item no.
2056N 2 12 FT	8 - 12	20	16	34	M6	1.5	5	49	47	3	50	3.500	1164120



Clamp clip, single, plastic pressure trough



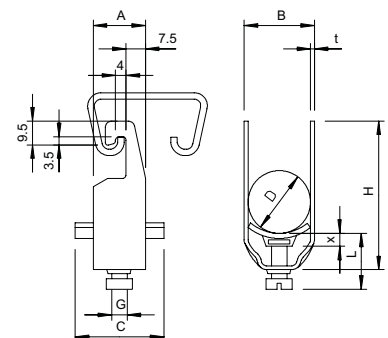
Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. G mm	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm	Pack Piece	Weight kg/100pc.	Item no.
2056U 12 FT	8 - 12	20	16	34	M6	1.5	5	42	34	3	100	3.150	1175122
2056U 16 FT	12 - 16	20	20	34	M6	1.5	5	46	34	3	100	3.600	1175165
2056U 22 FT	16 - 22	20	27	34	M6	1.5	5	53	34	3	100	3.223	1175211
2056U 28 FT	22 - 28	20	33	34	M6	2	5	59	34	3	100	4.344	1175289
2056U 34 FT	28 - 34	20	39	34	M8	2	5.5	67	37.5	5	100	7.500	1175343
2056U 40 FT	34 - 40	20	45	34	M8	2	5.5	73	37.5	5	100	8.100	1175408
2056U 46 FT	40 - 46	20	51	40	M8	2	5.5	79	37.5	5	100	10.000	1175467
2056U 52 FT	46 - 52	20	57	40	M8	2	6.5	85	38.5	5	100	8.300	1175521
2056U 58 FT	52 - 58	23	64	40	M8	2.5	6.5	91	38.5	5	100	13.400	1175580
2056U 64 FT	58 - 64	23	70	40	M8	2.5	6.5	97	38.5	5	100	14.300	1175645
2056U 70 FT	64 - 70	23	76	40	M8	2.5	6.5	103	38.5	5	50	15.250	1175696
2056U 76 FT	70 - 76	25	82	40	M8	2.5	6.5	110	40.5	5	25	20.600	1175769
2056U 82 FT	76 - 82	25	88	40	M8	2.5	6.5	116	40.5	5	25	22.000	1175823
2056U 90 FT	82 - 90	25	97	40	M8	3	6.5	125	40.5	5	25	26.200	1175904
2056U 100 FT	90 - 100	25	107	40	M8	3	6.5	135	40.5	5	25	30.000	1175998



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. G mm	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm	Pack Piece	Weight kg/100pc.	Item no.
2056U 12 ALU	8 - 12	20	16	34	M6	1.5	5	42	34	2	50	1.100	1184407
2056U 16 ALU	12 - 16	20	20	34	M6	1.5	5	46	34	2	50	1.200	1184415
2056U 22 ALU	16 - 22	20	27	34	M6	1.5	5	53	34	2	50	1.350	1184423
2056U 28 ALU	22 - 28	20	33	34	M6	2	5	59	34	2	50	1.950	1184431
2056U 34 ALU	28 - 34	20	39	34	M8	2	5.5	67	37.5	2	50	2.550	1184458
2056U 40 ALU	34 - 40	20	45	34	M8	2	5.5	73	37.5	2	50	2.800	1184466
2056U 46 ALU	40 - 46	20	51	40	M8	2	5.5	79	37.5	2	50	3.600	1184474
2056U 52 ALU	46 - 52	20	57	40	M8	2	6.5	85	38.5	2	50	3.950	1184482
2056U 58 ALU	52 - 58	23	64	40	M8	2.5	6.5	91	38.5	2	50	4.900	1184490
2056U 64 ALU	58 - 64	23	70	40	M8	2.5	6.5	97	38.5	2	50	5.250	1184504
2056U 70 ALU	64 - 70	23	76	40	M8	2.5	6.5	103	45.5	2	50	5.600	1184539
2056U 76 ALU	70 - 76	23	82	40	M8	2.5	6.5	110	45.5	2	500	7.050	1184512



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. G mm	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm	Pack Piece	Weight kg/100pc.	Item no.
2056U 12 A2	8 - 12	20	16	34	M6	1.5	5	42	34	3	50	3.000	1178504
2056U 16 A2	12 - 16	20	20	34	M6	1.5	5	46	34	3	50	3.200	1178512
2056U 22 A2	16 - 22	20	27	34	M6	1.5	5	53	34	3	50	3.800	1178520
2056U 28 A2	22 - 28	20	33	34	M6	2	5	59	34	3	50	5.350	1178539
2056U 34 A2	28 - 34	20	39	34	M8	2	5.5	67	37.5	5	50	7.200	1178547
2056U 40 A2	34 - 40	20	45	34	M8	2	5.5	73	37.5	5	25	8.100	1178555
2056U 46 A2	40 - 46	20	51	40	M8	2	5.5	79	37.5	5	25	9.900	1178563
2056U 52 A2	46 - 52	20	57	40	M8	2	6.5	85	38.5	5	25	11.200	1178571
2056U 58 A2	52 - 58	23	64	40	M8	2.5	6.5	91	38.5	5	25	13.400	1178598
2056U 64 A2	58 - 64	23	70	40	M8	2.5	6.5	97	38.5	5	15	14.300	1178601
2056U 70 A2	64 - 70	23	76	40	M8	2.5	6.5	103	38.5	5	15	20.500	1178628
2056U 76 A2	70 - 76	25	82	40	M8	2.5	6.5	110	45.5	5	10	19.100	1178638



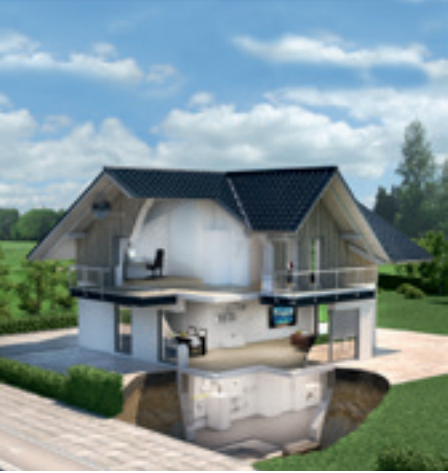
Surge protection made easy – SPD selection aid

according to the current IEC 60364-4-44 and IEC 60364-5-53

Application

Situation

1 Installation location: Main distributor at the infeed point of the system



Residential buildings, multiple-occupancy dwellings, etc.



Without external lightning protection system with earth cable infeed (IEC 60364-5-53 and 60364-4-44)

TN-S/TT

MCF100-3+NPE+FS
Item no. 5096 987

T1 T2

TN-C/IT

MCF75-3+FS
Item no. 5096 981



leakage current-free

TN/TT

V20-3+NPE-280
Item no. 5095 253

T2

V20-3+NPE-280+FS
Item no. 5095 333



Buildings of lightning protection classes III and IV (e.g. housing and commercial and office buildings)



Exposed cable supply (according to IEC 60364-5-53 and 60364-4-44)



Earthed antenna structures (recommendation)



TN-S/TT

MCF100-3+NPE+FS
Item no. 5096 961

T1 T2

TN-C/IT

MCF75-3+FS
Item no. 5096 981



leakage current-free

TN/TT

V50-3+NPE-280
Item no. 5093 526

T1 T2

V50-3+NPE-280+FS
Item no. 5093 533



Buildings of lightning protection classes I to IV (e.g. industrial buildings, computer centres or hospitals)



TN-S/TT

MCF100-3+NPE+FS
Item no. 5096 987

T1 T2

TN-C/IT

MCF75-3+FS
Item no. 5096 981



leakage current-free

2 Installation location: Sub-distributor
with a spacing to the main distributor > 10 m

TN/TT

V20-3+NPE-280
Item no. 5095 253

T2

V20-3+NPE-280+FS
Item no. 5095 333



Alternatively

TN/TT

V10 COMPACT 255
Item no. 5093 380

T2 T3



V10 COMPACT-FS
Item no. 5093 382

T2 T3



V10 COMPACT-AS
Item no. 5093 391

T2 T3



3 Installation location: Terminal
as close as possible to the resource to be protected

Universal fine protection
FC-D
Item no. 5092 80 0



3-way socket wwith
audible error signalling
CNS-3-D
Item no. 5092 70 1

T3



Hat rail device with visual
function display
VF 230-SC/DC
Item no. 5097 65 0

Surge protection module 45
With optical function display
ÜSS 45-O
Item no. 6117473



with acoustic signalling
ÜSS 45-A
Item no. 6117465



Device with acoustic
signalling

T3

ÜSM-A
Item no. 5092 45 1



ÜSM-A2
Item no. 5092 46 0



Device for installation
behind sockets through
simple attachment

T3

With acoustic signalling

ÜSM-ST-230-1P+PE
Item no. 5092 441

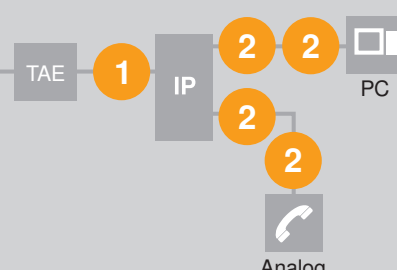






Protection device for 2
phases




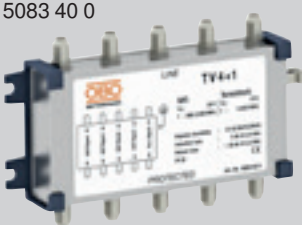

ÜSM-10-230I2P+PE
Item no. 5092 42 6



Telecommunications

Installation	① Installation location - At the infeed point of the system	② Installation location - At the terminal
<p>IP telephony</p>  <p>The diagram shows a TAE (Telecommunications Access Equipment) connected to an IP network. Step 1 is at the TAE. Step 2 is at the IP network, which is connected to a PC and an Analog phone. Another step 2 is shown at the Analog phone connection.</p>	<p>Tele Defender TD-2D-V Item no. 5081 69 8</p> 	<p>Tele Defender RJ11-Tele/4-F Item no. 5081 97 7</p>  <hr/> <p>Net Defender Data cable protection device for high-speed networks CAT 6 ND-CAT6/E-F Item no. 5081 80 2</p>  <hr/> <p>Universal fine protection FC-TAE-D Item no. 5092 82 4</p> 

TV, video, SAT and radio

Installation	① Installation location - Between broadband cable transfer point and amplifier	② Installation location - In front of every terminal (TV/video/hi-fi)
<p>Broadband (Cable TV)</p> <p>or</p> <p>Terrestrial receiver unit</p> <ul style="list-style-type: none"> - Analogue TV - DVB-T <p>SAT receiver unit</p>  <ul style="list-style-type: none"> - With receiver (e.g. in single-family house) - With Multiswitch - With multiple LNB (e.g. in multiple-occupancy dwelling) 	<p>Installation between LNB and receiver/multiswitch, directly on device to be protected</p> <p>Coaxial protection device DS-F M/F Item no. 5093 27 5</p>  <hr/> <p>Coaxial protection device DS-F F/F Item no. 5093 27 2</p>  <hr/> <p>Compact protection device (4x SAT, 1x terrestrial) TV 4+1 Item no. 5083 40 0</p> 	<p>FineController</p> <p>Fine protection device 230 V with asurge protection for the TV/SAT supply of TV/ SAT receivers, incl. adapter cable FC-SAT-D Item no. 5092 81 6</p> 

Data technology

Installation	① Installation location - Server-side	② Installation location - On the switch - In front of the terminal
<p>Networks Class EA/CAT 6A</p> <p>External communication cable</p>	<p>Net Defender Data cable protection device for high-speed networks CAT 6 ND-CAT6/E-B Item no. 5081 80 4</p> <div style="background-color: #f4a460; text-align: center; padding: 5px;">Alternatively</div> <p>ND-CAT6/E-F Item no. 5081 80 2</p> <p>ND-CAT6/E-F Item no. 5081 80 0</p>	<p>Net Defender Data cable protection device for high-speed networks CAT 6A ND-CAT6A/EA Item no. 5081 80 0</p> <hr/> <p>Net Defender Data cable protection device for high-speed networks CAT 6 ND-CAT6/E-F Item no. 5081 80 2</p>
<p>CCTV application</p>	<p>Protection of IP-based CCTV, power supply via PoE /RJ45</p>	<p>Net Defender Data cable protection device for high-speed networks CAT 6 and PoE ND-CAT6/E-F Item no. 5081 80 2</p> <hr/> <p>Net Defender Data cable protection device for high-speed networks CAT 6 and PoE ND-CAT6/E-B Item no. 5081 80 4</p>
	<p>Protection of coaxial-based CCTV</p>	<p>Data cable protection device for coaxial systems Coax B-E2 MF-C Item no. 5082 43 0</p> <hr/> <p>Data cable protection device for coaxial systems Coax B-E2 MF-F Item no. 5082 43 2</p>

Main distributor

LightningController Compact - MCF100



Type	Max. continuous voltage AC V	Pole version	Protection rating	Pack Piece	Weight kg/100pc.	Item no.
MCF100-3+NPE+FS	255	3+N/PE	IP20	1	93.500	5096987

Combination arrester V25



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V25-B+C 1+NPE+FS	280	1+NPE with FS	1	27.500	5094444

Surge arrester V10



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V10-C 1+NPE-280	280	1 + NPE	1	23.500	5093418

Surge arrester V10



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V10-C 3+NPE+F	280	3 + NPE	1	37.900	5094931

Combination arrester V25



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V25-B+C 3+NPE-FS	280	3 + NPE with FS	1	52.500	5094510

Combination arrester V25



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V25-B+C 3+NPE	280	3-pole complete with NPE	1	51.000	5094463

Surge arrester V20



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V20-C 1-280	280	1-pole	1	12.000	5094618

Equipotential busbar for industrial areas

Connector, Rd 8–10 mm with pressure trough

A2



Type	Fit mm	Lightning current carrying capacity kA	Pack Piece	Weight kg/100pc.	Item no.
5001 N-VA	Rd 8-10	N/50	1	6.800	5304176

Spark gaps

ISG N spark gap



Type	Pack Piece	Weight kg/100pc.	Item no.
ISG N	1	41.300	5240089

EX ISG H spark gap



Type	Pack Piece	Weight kg/100pc.	Item no.
EX ISG H	1	41.360	5240030

EX ISG H spark gap, with one cable



Type	Pack Piece	Weight kg/100pc.	Item no.
EX ISG H 350	1	57.260	5240031



PV lightning current and surge protection

PV combination arrester V50



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V50-B+C 3-PH600	600	3-pole for PV systems	1	41.000	5093623

PV combination arrester V50, 600 V DC with remote signalling



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V50-B+C 3PHFS600	600	3-pole for PV systems with FS	1	49.600	5093625

PV combination arrester V25, 900 V DC



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V25-B+C 3-PH900	900	3-pole for PV systems	1	42.200	5097447

PV combination arrester V25, 900 V DC with remote signalling



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V25-B+C 3PHFS900	900	3 pole for PV systems with RS	1	53.500	5097448

PV complete block 1,000 V DC



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V-PV-T1+2-1000	1000	Y configuration	1	40.700	5094230

PV complete block 1,000 V DC with remote signalling



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V-PV-T1+2-1000FS	1000	Y configuration + RS	1	41.200	5094232

PV complete block 1500 V DC



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V-PV-T1+2-1500	1500	Y configuration	1	49.200	5094240

PV lightning current and surge protection

PV complete block 1500 V DC with remote signalling



Type	Max. continuous voltage V	Pole version	Pack Piece	Weight kg/100pc.	Item no.
V-PV-T1+2-1500FS	1500	Y configuration + RS	1	49.600	5094242



Power supply

Supply

	Product	Item no.
1	V50-3+NPE-280	5093 52 6
2	V10 Compact AS	5093 39 1

Photovoltaics

	Product	Item no.
3	V20-3+NPE	5095 25 3
4	V20-C 3-PH-1000	5094 60 8

Terminal protection

	Product	Item no.
5	ÜSM-A	5092 45 1
6	ÜSM-A-2	5092 46 0

TV reception technology

SAT system

	Product	Item no.
7	FC-SAT-D	5092 81 6
8	TV4+1	5083 40 0
9	ÜSM-A	5092 45 1

Telephone and communication technology

Intercom system

	Product	Item no.
10	V50-1+NPE-280	5093 52 2
11	TKS-B	5097 97 6

Power supply

KNX

	Product	Item no.
12	FRD24	5098 51 4
13	ÜSM-A	5092 45 1

External gate control

	Product	Item no.
14	V50-1+NPE-280	5093 52 2
15	TKS-B	5097 97 6

A series

The everyday hero

The A series family is one of our well-known classic brands. Made of halogen-free thermoplastic, it offers a simple solution to simple applications. The elastic material is particularly easy to use and, thanks to the external fastening and clamshell, the boxes are mounted quickly and simply. The supplied cutting tool also allows proper opening of the cable entries.

The practical sizes in 3 colours are matched to the applications: The smallest of the family, the A6, is even at home in inspection lamps and roller blind boxes. Its big brother can be found in lofts and basement workshops – a real everyday hero.



Lofts and cellars in private housing

Private garages and carports

Inspection lights and roller blind boxes



Practical external fastening

The external fastening means that the junction boxes of the A series can be mounted quickly and easily.



Pre-marked cable entries

Using the cut-out tool supplied, the pre-marked cable entries can be punctured quickly and used.



Tight-fitting clamshell

The covers of the A series also enable rapid mounting. The clamshells can be placed easily on the base, without the need for tools.



Sufficient space for wiring

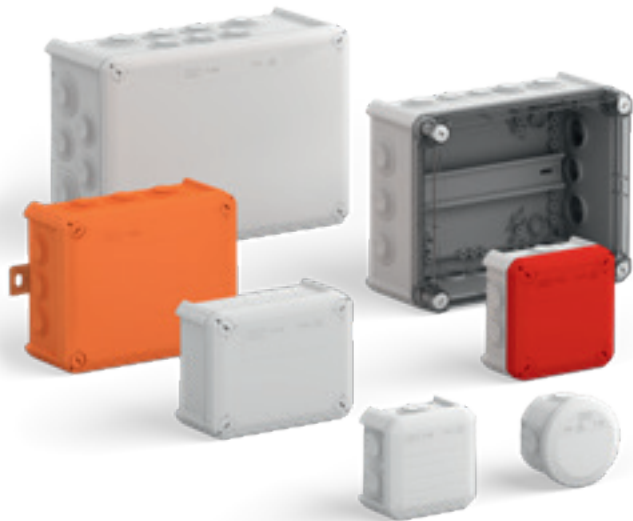
With the A series, there is always sufficient space for wiring. This is marked by the 5 different sizes in which the junction boxes are available.

T series

The all-rounder

If you want a little more: The junction boxes, made from high-quality materials with sensible wall thicknesses, are particularly stable and thus perfectly equipped to handle greater loads. Thanks to the UV-stabilised plastic and the IP66 protection rating, they can withstand weathering conditions in both indoor and outdoor areas.

The T series is characterised by its intelligent construction and practical details, because it is as versatile as the requirements placed on it. No matter whether dealing with a flexible wiring compartment of different shapes and sizes, the colour differentiation of circuits, checking of electrical components or use in the maintenance of electrical function – our all-rounders always have the right answer.



Warehouses, sports halls and car parks

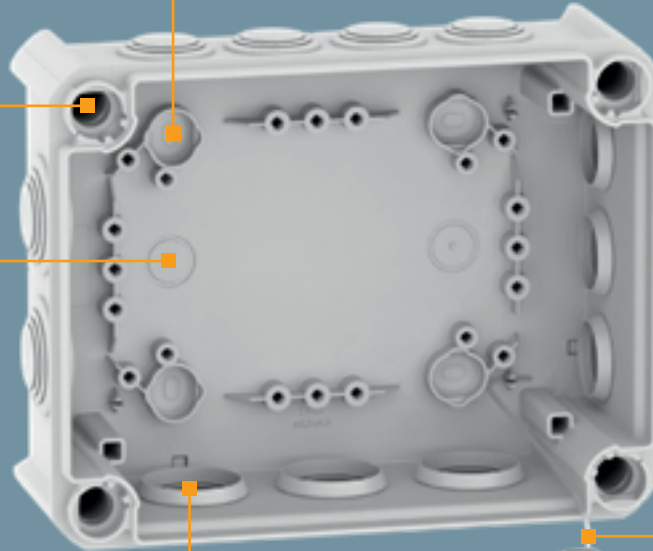
Protected exterior areas, e.g. under roof overhangs

Escape route lighting for the maintenance of electrical function

All the benefits at a glance

Intelligently arranged mounting points in the interior and special corner domes.

Breakout openings in the base and side plug-in seals.



With a captive cover and rotary locks in lead-sealable junction boxes.



Function control

The T series junction boxes with an elevated and transparent cover combine ample space for devices and cables with a free view onto them – for instance, onto the operating display of electronic components.



Maintenance of electrical function with the FireBox

Together with the supplied bolt ties, the high-temperature-resistant ceramic connection unit of the OBO FireBox forms a fire protection-tested system, approved for mounting on concrete, masonry, calcareous limestone and brick.



T series with Aquasit

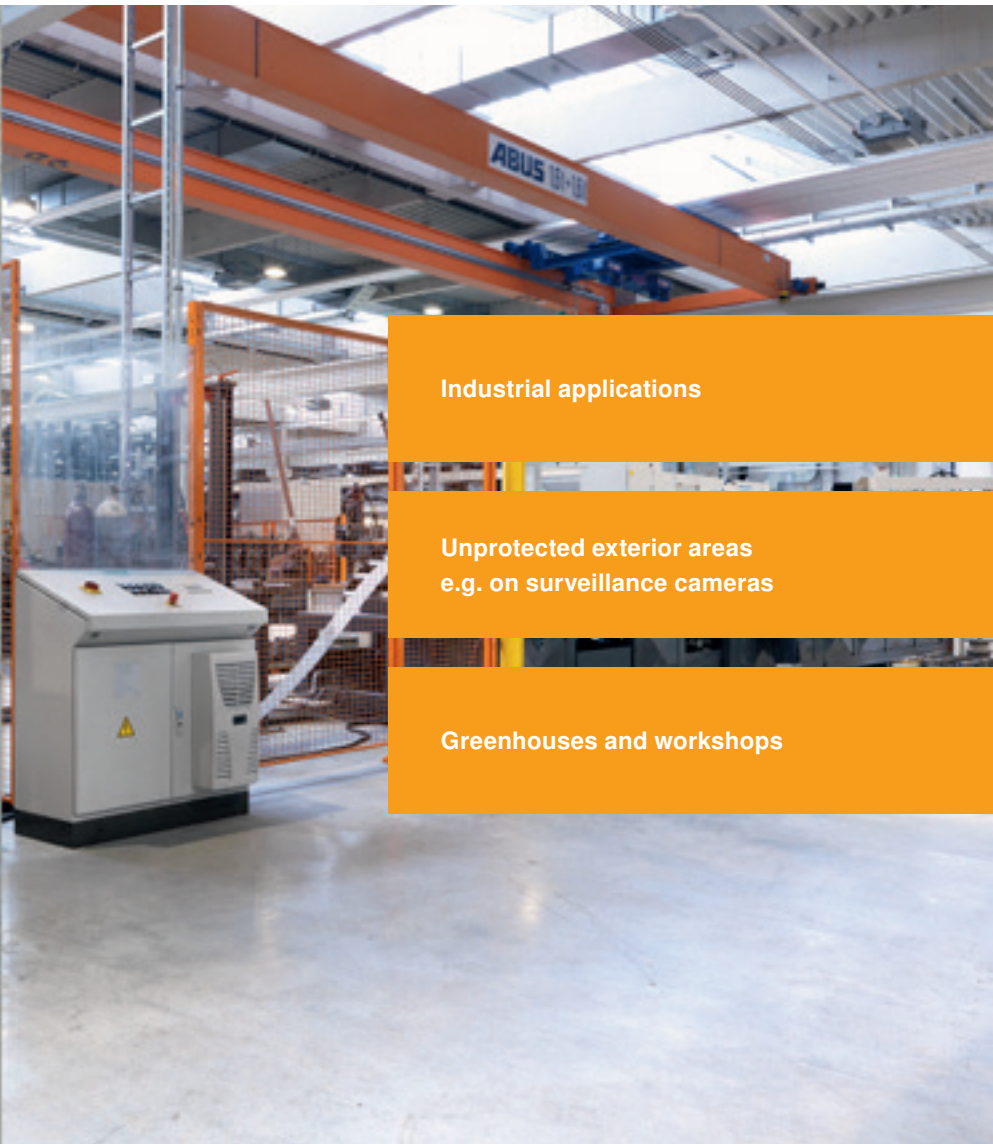
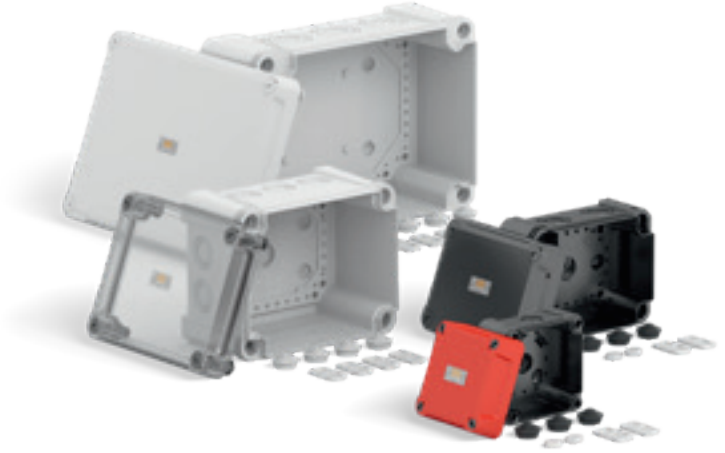
In particularly moist environments, the T series can be used together with the Aquasit cold casting compound. Whether for connections in the garden, by waterways, in laundries or in a pump well – Aquasit ensures a safe electrical installation anywhere.

X series

The eXtreme athlete

Here, professionals are at work: The junction boxes are high quality and robust, because, with an impact resistance of up to IK 09 (applies to the X01–X16 variants), the X series can withstand the strongest mechanical loads. Our "extreme athletes" are also dust- and waterproof, as well as UV-resistant. This is why they are the right choice for challenging industrial applications and extreme weathering conditions in exterior areas.

The well-thought-out and functional design gives the X series a particularly high wiring compartment and offers a wide range of mounting options for installations in any environment. The wide-ranging and practical equipment rounds off the range of services, making the X series ready for all kinds of applications.

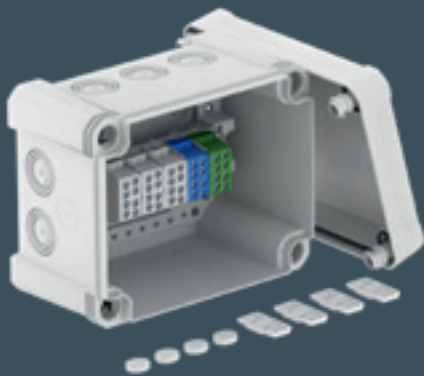


Industrial applications

Unprotected exterior areas
e.g. on surveillance cameras

Greenhouses and workshops

Extra strong, particularly high load capacity

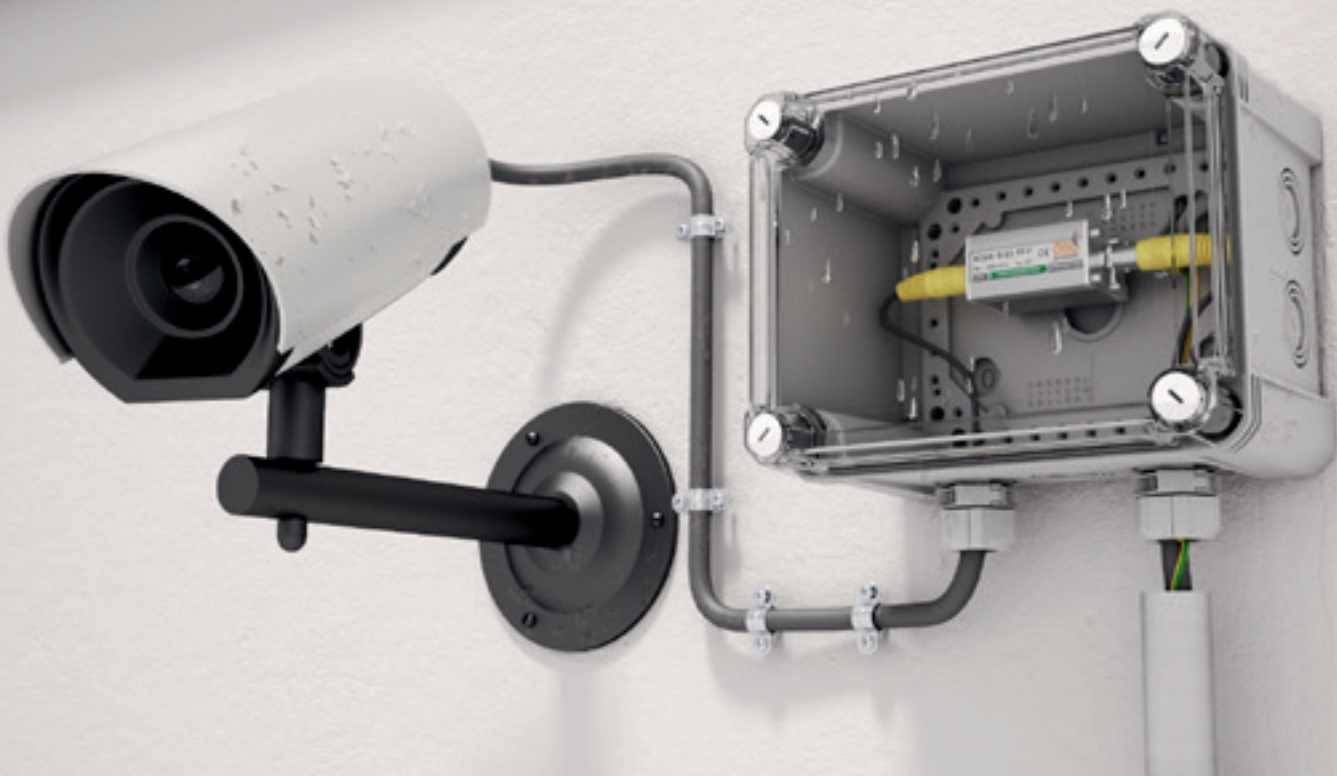


Impact resistance

The use of special plastics on the basis of high-quality polycarbonate allows the junction boxes and empty housings of the X series with classification up to IK09 (applies to the X01–X16 variants) to offer the highest impact resistance in their class. All the boxes of the X series are tested according to DIN EN 60670 Part 1 and 22.

Equipment & accessories

The X series is available with pre-installed equipment: Completely pre-installed versions with main line branch terminals, cable glands, screwless terminals and DIN rails cover every eventuality. Screw covers, plug-in seals and external fastening elements are contained in the scope of delivery of the X series junction boxes. In addition, the X series offers a comprehensive range of accessories.



Home and dry!

Aquasit cold casting compound

Achieve the maximum protection rating of IP68 with Aquasit.

- Ideal solution for electrical installations in particularly damp environments (IP68)
- Self-healing: The protection rating remains intact after testing with testing pins
- Available in mixing bags or in cartridges
- In matching sizes to our junction boxes



Material consumption Aquasit cold casting compound Junction box filling

A series	ml per unit*	PU**	T series	ml per unit*	PU**	X series	ml per unit	PU**
A6	100 ml	1	T25	80 ml	1	X01	300 ml	1
A8	130 ml	1	T40	250 ml	1	X02	380 ml	1
A11	190 ml	1	T60	410 ml	1	X04	580 ml	1
A14	290 ml	1	T60 HD	590 ml	1	X06	930 ml	1
A18	380 ml	1	T100	720 ml	1	X10	2,600 ml	2
			T100 HD	770 ml	1	X16	4,390 ml	3
			T160	1,540 ml	1	X25	6,840 ml	4
			T160 HD	1,930 ml	2			
			T250	3,170 ml	2			
			T250 HD	3,310 ml	2			
			T350	5,200 ml	4			
			T350 HD	6,830 ml	5			

*Gross box volume without equipment
**Smallest possible packaging unit for complete filling of the complete junction box.

250 ml 400 ml 800 ml 1,600 ml

A series
Light grey



A series
Pure white



A series
Red



A6
80 x 43 x 34 mm



A6 2000001
Without terminal strip




A6 HF RW 2000005
Without terminal strip



A6 HF RO 2000003
Without terminal strip

A8
75 x 75 x 36.2 mm



A8 5 2000024  With terminal strip
A8 2000016
Without terminal strip




A8 HF RW 2000075
Without terminal strip



A8 HF RO 2000059
Without terminal strip

A11
85 x 85 x 40 mm



A11 5 2000326  With terminal strip
A11 2000342
Without terminal strip




A11 HF RW 2000180
Without terminal strip



A11 HF RO 2000164
Without terminal strip

A14
100 x 100 x 40 mm



A14 5 2000382  With terminal strip
A14 2000378
Without terminal strip




A14 HF RW 2000390
Without terminal strip



A14 HF RO 2000386
Without terminal strip

A18
125 x 100 x 40 mm



A18 5 2000414  With terminal strip
A18 2000410
Without terminal strip



A18 HF RW 2000422
Without terminal strip



A18 HF RO 2000418
Without terminal strip



Accessories



Cut-out tool
Every 10 boxes of the A series include 1 cut-out tool.

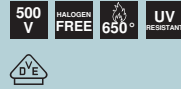


Terminal strip 2017342
With 5 terminals

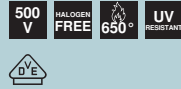
T series
Light grey,
+ Plug-in seals



T series
Red cover,
+ Plug-in seals



T series
Pure white,
+ Plug-in seals



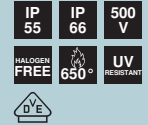
T series
Flame-resistant,
+ Plug-in seals



T series
+ Terminal strip,
+ Plug-in seals



T series
With closed side walls
without entries



T25
Ø80 x 51 mm

T25 2007029
4x M25

IP 65 IK 07

T25 RW 2007509
4x M25

IP 65 IK 07

T25 F 2007312
4x M25

IP 65 IK 07

960°

T25 KL 2007430
4x M25

With terminal strip

IP 65 IK 07

T40
90 x 90 x 52 mm

T40 2007045
7x M25

IP 65 IK 07

T 40 RO-LGR 2007630
7x M25

IP 65 IK 07

T40 RW 2007517
7x M25

IP 65 IK 07

T40 F 2007320
4x M25

IP 65 IK 07

960°

T40 KL 2007432
4x M25

With terminal strip

IP 65 IK 07

T40 OE 2007223
Closed

IP 65 IK 07

T60
114 x 114 x 57 mm

T60 2007061
7x M25

IP 66 IK 07

T 60 RO-LGR 2007638
7x M25

IP 66 IK 07

T60 RW 2007525
7x M25

IP 66 IK 07

T60 F 2007339
4x M25

IP 66 IK 07

960°

T60 KL 2007434
4x M25

With terminal strip

IP 66 IK 07

T60 OE 2007239
Closed

IP 66 IK 07

T100
150 x 116 x 67 mm

T100 2007077
10x M25

IP 66 IK 07

T 100 RO-LGR 2007644
10x M25

IP 66 IK 07

T100 RW 2007533
10x M25

IP 66 IK 07

T100 F 2007347
4x M25

IP 66 IK 07

960°

T100 KL 2007436
4x M25

With terminal strip

IP 66 IK 07

T100 OE 2007255
Closed

IP 66 IK 07

T160
190 x 150 x 77 mm

T160 2007093
7x M25, 5x M32

IP 66 IK 05

T 160 RO-LGR 2007649
7x M25, 5x M32

IP 66 IK 05

T160 RW 2007541
7x M25, 5x M32

IP 66 IK 05

T160 F 2007355
4x M25

IP 66 IK 05

960°

T160 KL 2007440
4x M25

With terminal strip

IP 66 IK 05

T160 OE 2007271
Closed

IP 66 IK 05

T250
240 x 190 x 95 mm

T250 2007109
9x M25, 7x M32

IP 66 IK 05

T 260 RO-LGR 2007657
9x M25, 7x M32

IP 66 IK 05

T250 RW 2007554
9x M25, 7x M32

IP 66 IK 05

T250 F 2007363
4x M25

IP 66 IK 05

960°

T250 KL 2007444
4x M25

With terminal strip

IP 66 IK 05

T250 OE 2007287
Closed

IP 66 IK 05

T350
285 x 201 x 120 mm

T350 2007125
16x M32, 8x M40

IP 66 IK 05

T350 RW 2007568
16x M32, 8x M40

IP 66 IK 05

T350 F 2007371
4x M25

IP 66 IK 05

960°

T350 KL 2007448
4x M25

With terminal strip

IP 66 IK 05

T350 OE 2007303
Closed

IP 66 IK 05

T series sets



T 60 M25 NL 2007922
Version with plug-in seal
with 3 M25 cable glands



T 60 M20 NL 2007918
Version with pre-marking
with 3 M25 cable glands

T series
With high cover
+ Plug-in seals



T series
With high transparent
cover
+ Plug-in seals



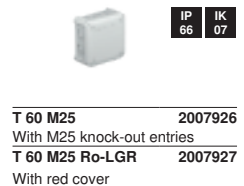
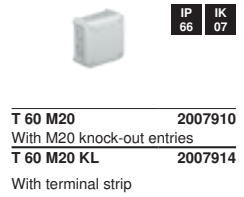
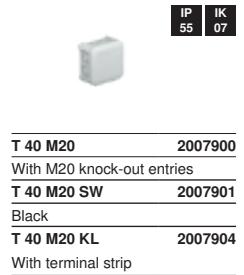
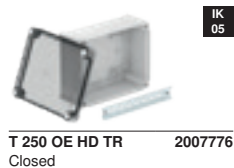
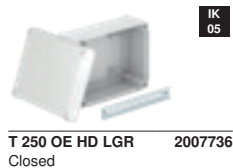
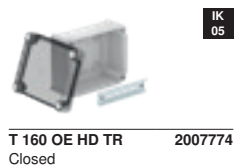
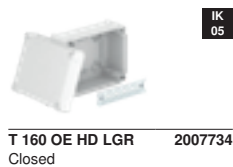
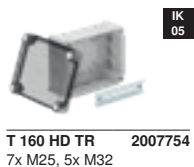
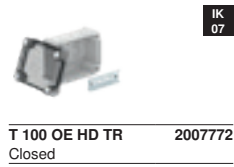
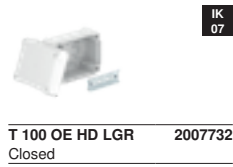
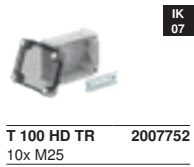
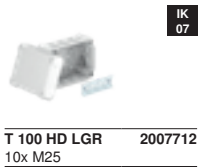
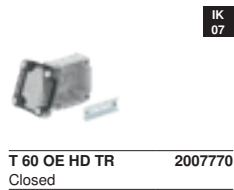
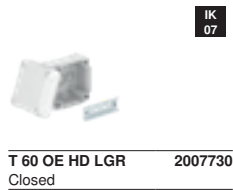
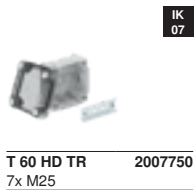
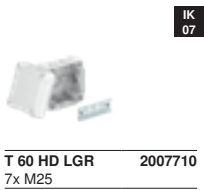
T series
With high cover,
closed



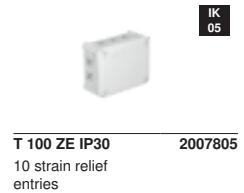
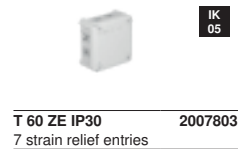
T series
With high transparent
cover, closed



T series
+ Knock-out
entries



T series
+ Strain relief
entries



T series accessories



BE TS KR 2007835
Fastening element for T 60 and T 100 on a cable tray



BE TS GR 2007833
Fastening element for T 60 and T 100 on a mesh cable tray



T-S MST 2007831
Fastening pin

T series
for plug contacts



With openings for the mounting of plug contacts (Wieland/WAGO)
T 100 WB3 2007807



With openings for the mounting of plug contacts (Wieland/WAGO)
T 100 WB3-10 2007808



With openings for the mounting of plug contacts (Wieland/WAGO)
T 100 WB5 2007840

T series
Pre-terminated
Modul 45 variants

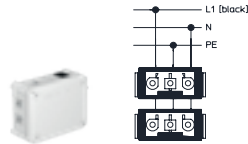


2 Modul 45 sockets in the cover, 1-pin
T 100 2MSD WS 2007821
2 sockets, 33° white

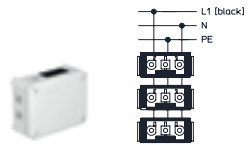


4 Modul 45 sockets in the cover, 2-pin
T 100 4MSD WS 2007825
4 sockets, 33° white

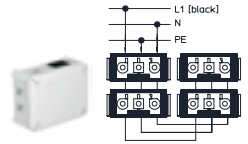
T series
Single-phase
pre-terminated for
plug contacts



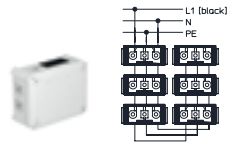
3-pin Wieland socket, single-phase
T 100 WB 2S3 2007809
Wieland socket 2 b



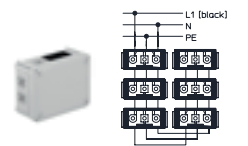
3-pin Wieland socket, single-phase
T 100 WB 3S3 2007813
Wieland socket 3b



3-pin Wieland socket, single-phase
T 100 WB 4S3 2007811
Wieland socket 4b

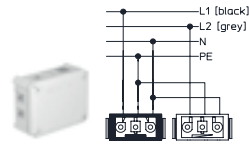


3-pin Wieland socket, single-phase
T 100 WB 6S3 2007822
Wieland socket 6b

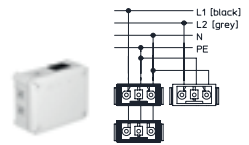


3-pin WAGO socket, single-phase
T 100 WWB 6SW 2007790
150 x 116 x 67

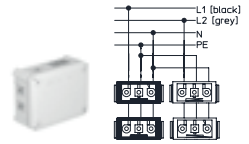
T series
Two-phase
pre-terminated for
plug contacts



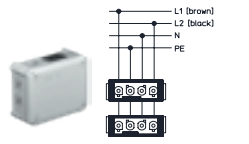
3-pin Wieland socket, two-phase
T 100 WB 1W3 1S3 2007815
W socket 1w+1b



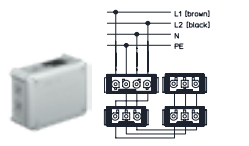
3-pin Wieland socket, two-phase
T 100 WB 1W3 2S3 2007817
W socket 1w+2b



3-pin Wieland socket, two-phase
T 100 WB 2W3 2S3 2007819
W socket 2w+2b

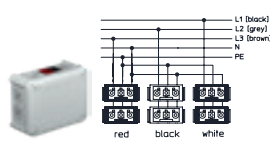


4-pin Wieland socket, two-phase
T 100 WB 2s4 2007846
W socket 2s

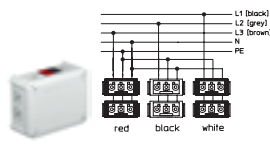


4-pin Wieland socket, two-phase
T 100 WB 3S3 1S4 2007844
W socket 3s+1s

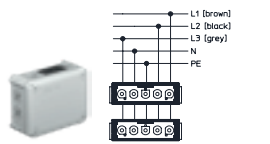
T series
Three-phase, pre-terminated for plug contacts



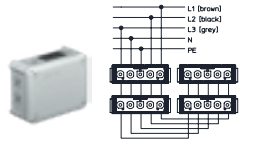
3-pin WAGO socket, three-phase
T 100 WWB 2007792
W socket 3x2 (bl; bl; rd)



3-pin Wieland socket, three-phase
T 100 WB 6S 2007814
W socket 6s3p 3x2

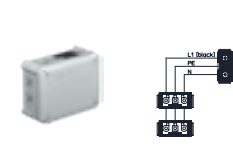


5-pin Wieland socket, three-phase
T 100 WB 2s5 2007852
W socket 2s

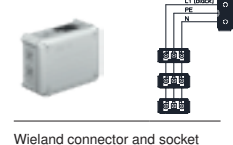


5-pin Wieland socket, three-phase
T 100 WB 4s5 2007856
W socket 4s

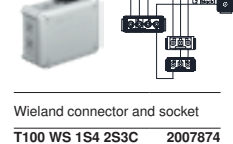
T series
Pre-terminated
connectors and
sockets



Wieland connector and socket
T100 WS 1S3 2S3D 2007876



Wieland connector and socket
T100 WS 1S3 3S3A 2007870



Wieland connector and socket
T100 WS 1S4 2S3C 2007874



FireBox

With plug-in seals, single terminals

E30 E60 E90 HALOGEN FREE

FireBox

With plug-in seals, double terminals

E30 E60 E90 HALOGEN FREE

FireBox

With plug-in seals, 1 fuse holder

E30 E60 E90 HALOGEN FREE

FireBox

With plug-in seals, 2 fuse holders

E30 E60 E90 HALOGEN FREE

FireBox

for data technology

E30 E60 E90 HALOGEN FREE

FireBox

Empty, closed

E30 E60 E90 HALOGEN FREE



T100ED 06A 7205740
For 6 mm² nominal cross-section



T100ED 06-2A 7205746
For 6 mm² nominal cross-section



T100ED 06AF 7205752
For 6 mm² nominal cross-section



T100ED 06A2F 7205758
For 6 mm² nominal cross-section



T100ED 4x4AD 7205 76 4
For 0.5 – 4 mm² nominal cross-section
T100ED 4x8AD 7205 76 6
For 0.5 – 4 mm² nominal cross-section



T100E 0VA 7205 78 0



T160ED 10A 7205742
For 10 mm² nominal cross-section



T160ED 10-2A 7205748
For 10 mm² nominal cross-section



T160ED 10AF 7205 75 4
For 10 mm² nominal cross-section



T160ED 10A2F 7205760
For 10 mm² nominal cross-section



T160E 0VA 7205 78 2



T250ED 16A 7205744
For 16 mm² nominal cross-section



T250ED 16-2A 7205750
For 16 mm² nominal cross-section



T250ED 16AF 7205 75 6
For 16 mm² nominal cross-section



T250ED 16A2F 7205762
For 16 mm² nominal cross-section



T250ED 4x16AD 7205768
For 0.5 – 4 mm² nominal cross-section
T250ED 4x24AD 7205770
For 0.5 – 4 mm² nominal cross-section



T250E 0VA 7205784



T350ED 4x32AD 7205772
For 0.5 – 4 mm² nominal cross-section



T350E 0VA 7205786
Closed



T100
150 x 116 x 67 mm

T160
190 x 150 x 77 mm

T250
240 x 190 x 95 mm

T350
285 x 201 x 120 mm

FireBox accessories



Fuse holder
TE-FH 520 7205570



Ceramic single terminal
TK 04 7205700
TK 06 7205702
TK 10 7205704
TK 16 7205706



Ceramic double terminal
TK 06-2 7205703
TK 10-2 7205705
TK 16-2 7205707



Plug-in seals
EDK 25 OR 7205675
EDK 32 OR 7205677
EDK 40 OR 7205679



Cable gland with locknut set
V-TECVM16+ 7205657
V-TECVM20+ 7205660
V-TECVM25+ 7205663
V-TECVM32+ 7205666
V-TECVM40+ 7205669



Protective conductor terminal
TPE 04 7205709
TPE 25 7205714



Mounting plate, front side
MP-T6-F 7205790



Mounting plate, rear side
MP-T6-B 7205792



Identification plate
KS-E DE 7205423
KS-E EN 7205432

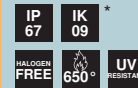
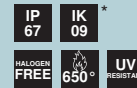
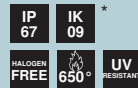
X series
Junction box
Light grey
Light grey

X series
Junction box
Light grey
Transparent

X series
Junction box
Graphite black
Graphite black
Graphite black

X series
Junction box
Graphite black
Red

X series
Junction box
+ Terminal strip



X01

95 x 95 x 60 mm



X01 LGR 2005000
7x M20



X01 LGR-TR 2005050
7x M20



X01 SW 2005110
7x M20



X01 SW-RO 2005140
7x M20



X01 T LGR 2005190
With 5-pin terminal strip

X02

95 x 95 x 72 mm



X02 LGR 2005004
7x M20



X02 LGR-TR 2005054
7x M20



X02 SW 2005114
7x M20



X02 SW-RO 2005144
7x M20



X02 T LGR 2005194
With 5-pin terminal strip

X04

114 x 114 x 78 mm



X04 LGR 2005008
7x M20/M25



X04 LGR-TR 2005058
7x M20/M25



X04 SW 2005118
7x M20/M25



X04 SW-RO 2005148
7x M20/M25



X04 T LGR 2005198
With 5-pin terminal strip

X06

151 x 117 x 87 mm



X06 LGR 2005012
8x M20/M25



X06 LGR-TR 2005062
8x M20/M25



X06 SW 2005122
8x M20/M25



X06 SW-RO 2005152
8x M20/M25



X06 T LGR 2005202
With 5-pin terminal strip

X10

191 x 151 x 126 mm



X10 LGR 2005016
10x M20/M25/M32



X10 LGR-TR 2005066
10x M20/M25/M32



X10 SW 2005126
10x M20/M25/M32



X10 SW-RO 2005156
10x M20/M25/M32



X10 T LGR 2005206
With 5 terminal strips of 4 terminals each

X16

241 x 191 x 126 mm



X16 LGR 2005020
10x M25/M32/M40



X16 LGR-TR 2005070
10x M25/M32/M40



X16 SW 2005130
10x M25/M32/M40



X16 SW-RO 2005160
10x M25/M32/M40



X16 T LGR 2005210
With 5 terminal strips of 4 terminals each

X25

286 x 202 x 126 mm



X25 LGR 2005024
10x M25/M32/M40



X25 LGR-TR 2005074
10x M25/M32/M40



X25 SW 2005134
10x M25/M32/M40



X25 SW-RO 2005164
10x M25/M32/M40



X25 T LGR 2005214
With 5 terminal strips of 4 terminals each

*Applies for the variants X01–X16

Main line branch terminals



HLAK 4-8x16 2009032
Main line branch terminal, 4-pin



HLAK 5-10x16 2009036
Main line branch terminal, 5-pin

X series
Junction box
+ Terminal strip
+ Cable glands +
locknuts



X series
Junction box
+ Cable glands
+ Locknuts



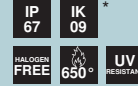
X series
Junction box
+ Universal screwless
terminals
+ Cable glands + lock-
nuts



X series
Junction box
+ Transparent cover
+ Hat profile rail



X series
Junction box
+ Main line
branch terminal



X01
95 x 95 x 60 mm



X01 T G M20 LGR 2005220
With terminal strip, with 3x V-TEC VM 20 with locknuts



X01 G M20 LGR 2005030
With 3x V-TEC VM20



X01 UT G LGR 2005240
With 3x 61 525 FL, with 3x V-TEC VM 20 with locknuts

X02
95 x 95 x 72 mm



X02 T G M20 LGR 2005222
With terminal strip, with 3x V-TEC VM 20 with locknuts



X02 G M20 LGR 2005032
With 3x V-TEC VM20



X02 UT G LGR 2005244
With 3x 61 525 FL, with 3x V-TEC VM 20 with locknuts

X04
114 x 114 x 78 mm



X04 T G M25 2005224
With terminal strip, with 3x V-TEC VM 25 with locknuts



X04 G M20 LGR 2005034
With 3x V-TEC VM20



X04 UT G LGR 2005248
With 3x 61 525 FL, with 3x V-TEC VM 25 with locknuts

X06
151 x 117 x 87 mm



X06 T G M25 2005226
With terminal strip, with 3x V-TEC VM 25 with locknuts

X10
191 x 151 x 126 mm



X06 R LGR-TR 2005092
With hat profile rail type 2069



X06 H25 GP4 LGR 2005304
With 4-pole HLAk, for 2x 25 mm² + 2x 16 mm² per pole

X16
241 x 191 x 126 mm



X10 R LGR-TR 2005096
With hat profile rail type 2069



X10 H25 GNP5 LGR 2005308
With 4-pole HLAk, for 2x 25 mm² + 2x 16 mm² per pole

X25
286 x 202 x 126 mm



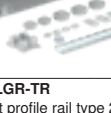
X16 R LGR-TR 2005100
With hat profile rail type 2069



X16 H25 GNP5 LGR 2005312
With 4-pole HLAk, for 2x 25 mm² + 2x 16 mm² per pole



X16 H35 GNP5 LGR 2005316
With 4-pole HLAk, for 2x 35 mm² + 2x 16 mm² per pole



X25 R LGR-TR 2005104
With hat profile rail type 2069



X25 H35 GNP5 LGR 2005320
With 4-pole HLAk, for 2x 35 mm² + 2x 16 mm² per pole

X25 H50 GNP5 LGR 2005324
20 terminals, for 4x 50 mm² per pole

*Applies for the variants X01–X16

Main line branch terminals



HLAK 5-10x25 2009038
Main cable branch terminal,
5-pole



HLAK 1-2x35
GR 2009042
GRGN 2009044
GRBL 2009046
Main cable branch terminal, 1-pole

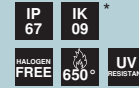
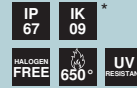
X series
Empty housing
Light grey
Light grey

X series
Empty housing
Light grey
Transparent

X series
Empty housing
Graphite black
Graphite black

X series
Empty housing
+ Hat profile rail

X series
Empty housing
+ Transparent cover
+ Hat profile rail



X01
95 x 95 x 60 mm



X01C LGR 2005450
Closed



X01C LGR-TR 2005520
Closed



X01C SW 2005590
Closed

X02
95 x 95 x 72 mm



X02C LGR 2005454
Closed



X02C LGR-TR 2005524
Closed



X02C SW 2005594
Closed

X04
114 x 114 x 78 mm



X04C LGR 2005458
Closed



X04C LGR-TR 2005528
Closed



X04C SW 2005598
Closed

X06
190 x 150 x 125 mm



X06C LGR 2005462
Closed



X06C LGR-TR 2005532
Closed



X06C SW 2005602
Closed



X06C R LGR 2005490
With hat profile rail type 2069



X06C R LGR-TR 2005560
With hat profile rail type 2069

X10
240 x 191 x 125 mm



X10C LGR 2005466
Closed



X10C LGR-TR 2005536
Closed



X10C SW 2005606
Closed



X10C R LGR 2005494
With hat profile rail type 2069



X10C R LGR-TR 2005564
With hat profile rail type 2069

X16
286 x 202 x 126 mm



X16C LGR 2005470
Closed



X16C LGR-TR 2005540
Closed



X16C SW 2005610
Closed



X16C R LGR 2005498
With hat profile rail type 2069



X16C R LGR-TR 2005568
With hat profile rail type 2069

X25
286 x 202 x 126 mm



X25C LGR 2005474
Closed



X25C LGR-TR 2005544
Closed



X25C SW 2005614
Closed



X25C R LGR 2005502
With hat profile rail type 2069



X25C R LGR-TR 2005572
With hat profile rail type 2069

*Applies for the variants X01–X16

Mounting plates for fastening on cable trays



MP FL FS 7084757
Strip galvanised, FS
MP FL DD 7085108
Zinc-aluminium-coated, DD



MP WI GR FS 7084781
Strip galvanised, FS
MP WI GR DD 7085112
Zinc-aluminium-coated, DD



MP 225 UNI FS 7084870
Strip galvanised, FS

Mx series
Die-cast aluminium
Powder-coated, light
grey RAL 7035



Mx series
Die-cast aluminium
Paintable



SDB small distributor
Polystyrene
+ Knock-out entries
+ Cover strip
+ Pre-mounted 35 mm
hat profile rail



SDB small distributor
Polycarbonate
+ Knock-out entries
+ Cover strip
+ Pre-mounted 35 mm
hat profile rail



286 x 202 x 126 mm



Mx 060503 LGR 2011304
64 x 58 x 36 mm



Mx 080705 LGR 2011308
80 x 75 x 57 mm



Mx 120805 LGR 2011312
125 x 80 x 57 mm



Mx 151008 LGR 2011316
150 x 100 x 80 mm



Mx 161609 LGR 2011320
160 x 160 x 90 mm



Mx 170805 LGR 2011324
175 x 80 x 80 mm



Mx 241610 LGR 2011328
240 x 160 x 100 mm



Mx 361609 LGR 2011332
360 x 160 x 90 mm



Mx 060503 CR3 2011378
64 x 58 x 34 mm



Mx 080705 CR3 2011381
80 x 75 x 57 mm



Mx 090603 CR3 2011384
98 x 64 x 34 mm



Mx 120805 CR3 2011386
125 x 80 x 57 mm



Mx 161008 CR3 2011389
160 x 100 x 81 mm



Mx 161609 CR3 2011392
160 x 160 x 90 mm



Mx 221209 CR3 2011394
220 x 120 x 90 mm



Mx 261609 CR3 2011396
260 x 160 x 90 mm



Mx 361609 CR3 2011398
360 x 160 x 90 mm

160 x 100 x 81 mm

160 x 100 x 81 mm

175 x 80 x 57 mm

260 x 160 x 90 mm

M20 M25



3 division units
SDB 03L PS 2008820
SDB 03 PS 2008800
With terminal set and labelling
sheet

M20 M25



5 division units
SDB 05L PS 2008824
SDB 05 PS 2008804
With terminal set and labelling
sheet

M20 M25 M32



9 division units
SDB 09L PS 2008828
SDB 09 PS 2008808
With terminal set and labelling
sheet

M20 M25 M32



12 division units
SDB 12L PS 2008832
SDB 12 PS 2008812
With terminal set and labelling
sheet

M20 M25



3 division units
SDB 03L PC 2008860
SDB 03 PC 2008840
With terminal set and labelling
sheet

M20 M25



5 division units
SDB 05L PC 2008864
SDB 05 PC 2008844
With terminal set and labelling
sheet

M20 M25 M32



9 division units
SDB 09L PC 2008868
SDB 09 PC 2008848
With terminal set and labelling
sheet

M20 M25 M32



12 division units
SDB 12L PC 2008872
SDB 12 PC 2008852
With terminal set and labelling
sheet

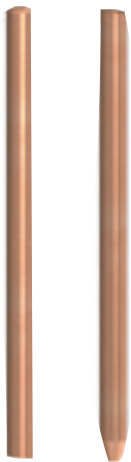


MP WI KL FS 7084765
Strip galvanised, FS
MP WI aKL DD 7085111
Zinc-aluminium-coated, DD



MP UNI FS 7084773
Strip galvanised, FS
MP UNI DD 7085114
Zinc-aluminium-coated, DD

Earthing systems



Copper Bonded Earth Rods

- Premium quality Copper bonded low carbon steel electrode.
- Uniform Copper coating of 250 microns offered as a standard.
- German engineered product and tested as per IEC 62561 – 2.
- Meets the requirement of IS 3043 and IEC 60364 – 5 – 54.
- Tested for short circuit current withstanding capacity.



Earth Enhancement Compound

- Eco-friendly backfill compound for Earth Electrodes.
- Highly conductive and suitable for all weather & terrain conditions.
- Tested according to IEC 62561 – 7.
- TCLP tested for assured safety.



Rod to tape clamps

- Highly efficient design enables easy termination.
- Quick and secure clamping for extra safety.
- Available in steel and brass finish.



Underfloor Earth Inspection Pit

- Lockable lid with more working area.
- Highly resistant towards corrosion and chemicals.
- Robust design enables highest load withstanding capability..

Deskbox DBL

Converts any desk
into a complete office

Power, data
and multimedia:
Directly on your
desk



The Deskbox DBL from OBO guarantees direct access to power, data and multimedia connections at the workstation, because it is mounted simply and without tools, directly on the desk.

It stands out with its discreet and elegant design. Its Wieland connector system ensures simple installation and can be combined with power distributors. The desktop solution can easily be expanded using OBO's own Modul45 connector system.

- For time-saving, toolless mounting on the desk
- Slender, simple design
- Simple installation thanks to the Wieland connection. On request, also solutions using the WAGO connector system.
- Empty housing available for self-fitting with installation devices from the OBO Modul 45® product range
- You have the choice: Variants with Schuko and USB chargers available, and with multimedia connection
- Exchangeable data/multimedia Keystone module (HDMI, VGA, USB, DSUB, LAN, etc.)



Simple, safe, considered.

The OBO Ion charging station

For PV-
optimised
charging!



Electro-mobility is revolutionising our world. This applies to both vehicles and the charging infrastructure. With the Ion charging station, OBO offers a reliable solution for the relaxed PV-optimised charging of electric vehicles – at home or even for the entire vehicle pool on a company's site. The impact-resistant housing according to IK08 makes it extremely robust and, with a protection rating of IP66, it can be used in both indoor and protected outdoor areas. A weather protection cover is available as an option.

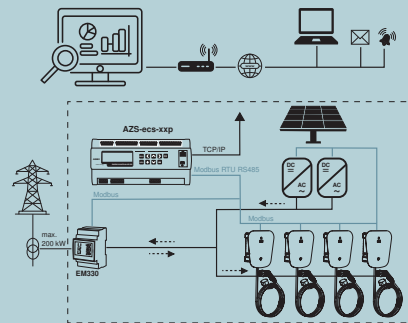
Charge electric vehicles sustainably and efficiently with solar power!

Well-thought-out technology, simple mounting, tailor-made safety: With the Ion charging station, your customers have two options for PV-optimised charging.

Dynamic control for load management and for PV-optimised charging

The OBO Ion charging stations can be dynamically activated directly via external Modbus RTU 485 controllers. This means that the following functions can be controlled, amongst others:

- PV excess charging
- Dynamic load management
- Digital authentication via web or app

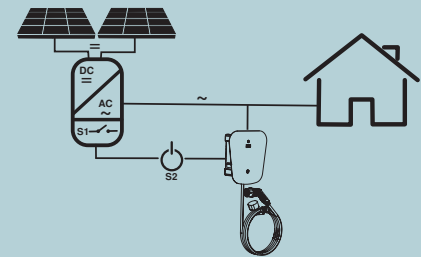


PV-optimised charging via an enabling signal

Here, the charging operation of the Ion charging station is controlled by an external unit sending a signal when a previously set PV energy excess is reached.

These include:

- Photovoltaic inverter
- Ripple control receiver
- Timer, key switch/numeric lock/RFID module
- Smart Home



Model overview

Ion Basic Item no.: 6570020	With pressure switch, without surge protection	
Ion Key Item no.: 6570022	With key switch, without surge protection	
Ion Basic Protect Item no.: 6570024	With pressure switch and surge protection	
Ion Key Protect Item no.: 6570026	With key switch and surge protection	
Weather protection cover Item no.: 6570105	For Ion Basic/Key	
Weather protection cover Item no.: 6570107	For Ion Basic Protect/Key Protect	

If necessary, with integrated surge protection according to DIN VDE 0100-443

For locations with a feed line of more than 10 metres in length or without a construction-side surge arrester, OBO can offer a variant with integrated type 2 + D1 surge protection for the data cables.

Available in open or closable versions

In easily accessible car parks, the use of the variant with key switches is recommended. The variant with pressure switch can also be used for locations which are reliably protected against unauthorised access (e.g. private garages).

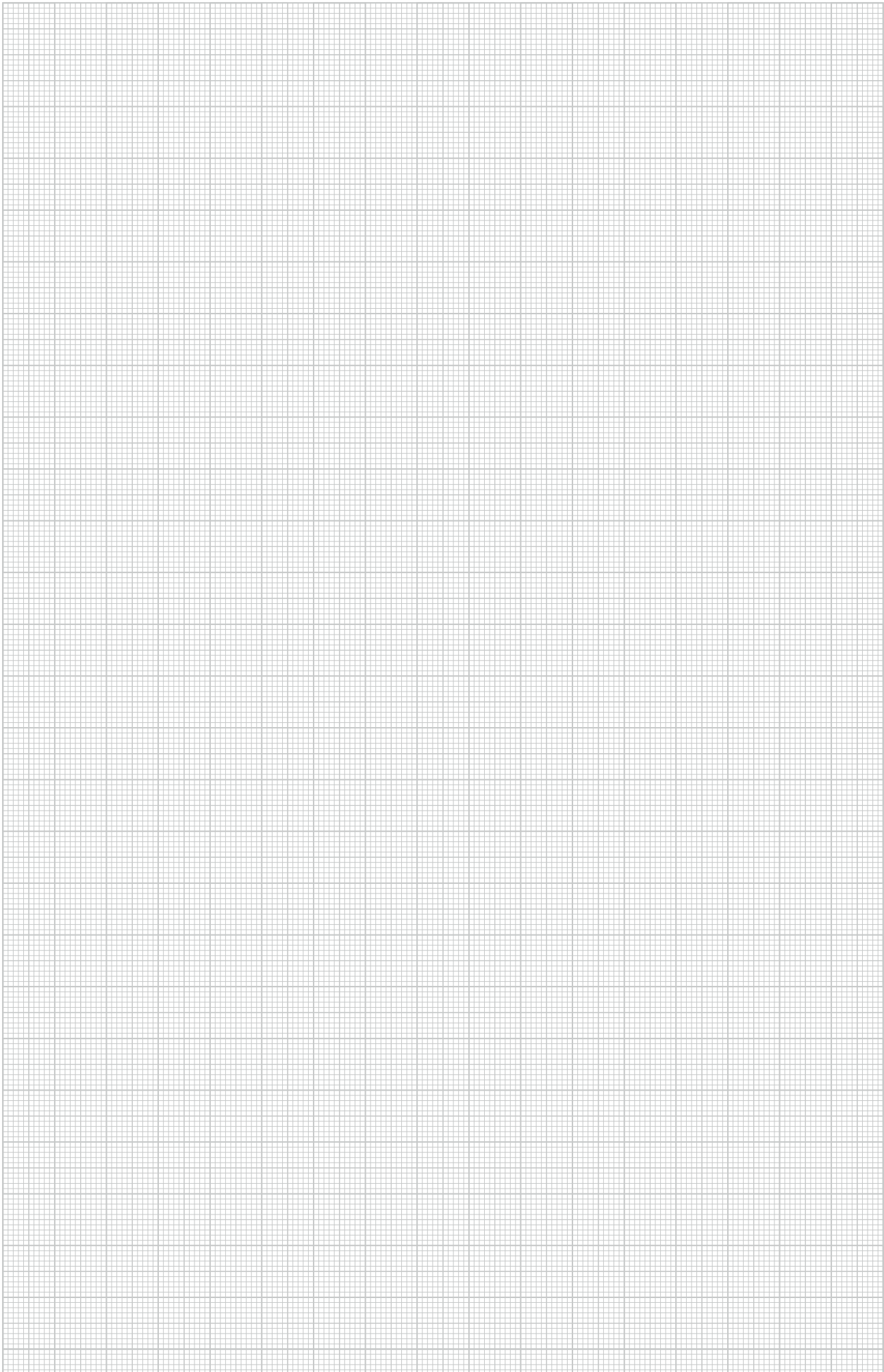
Protection against wind and weather

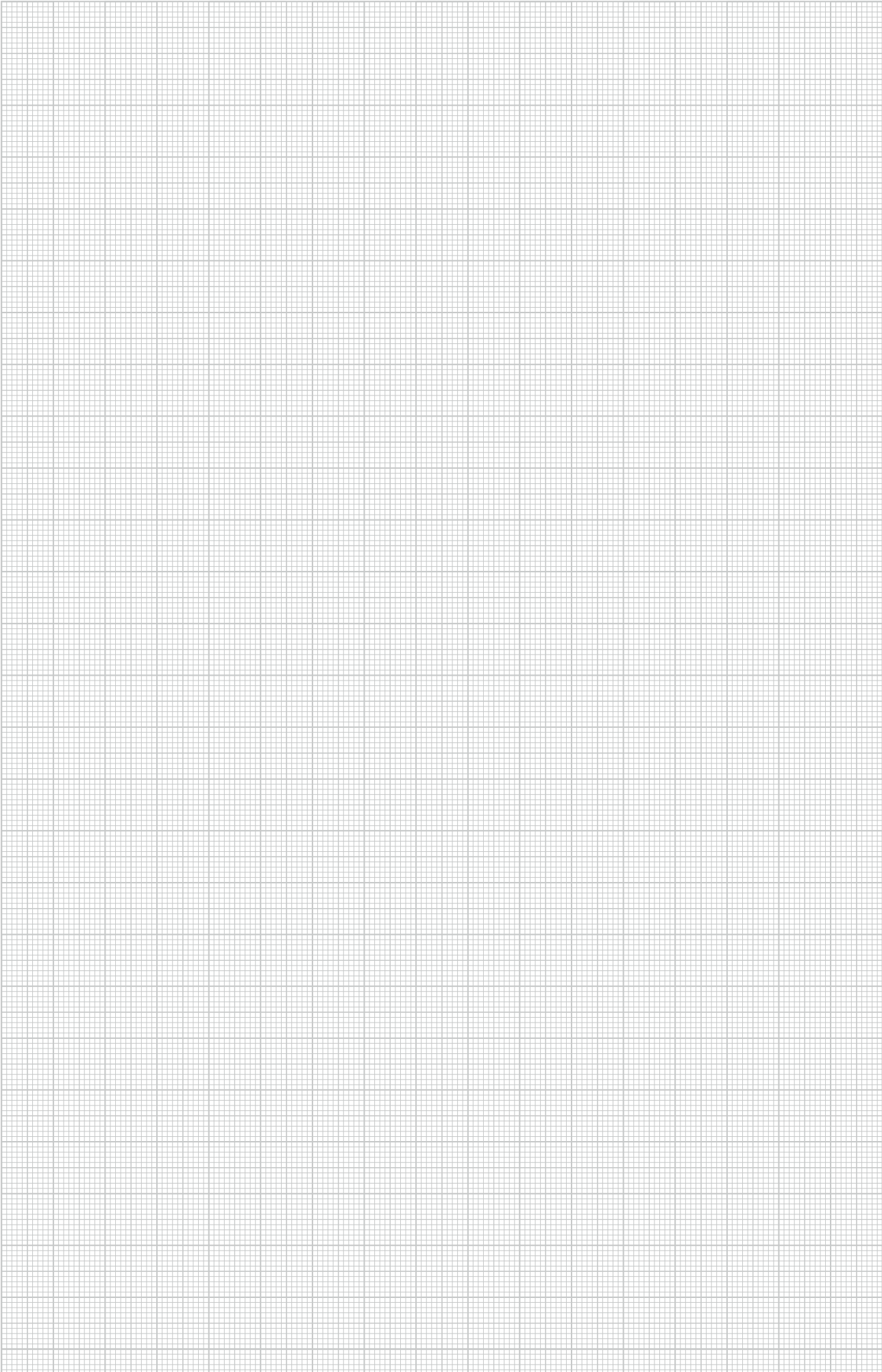
The OBO Ion charging station is intended for indoor areas or protected outdoor areas. Should there be additional requirements on account of an exposed location, then the optionally available weather protection cover offers additional protection and comfortable use.

Additional OBO solutions to connect you to the future

OBO wouldn't be OBO if we didn't offer additional system solutions connected to PV-optimised charging with the Ion charging station. This includes the surge protection, which can be integrated into the Ion charging station as an option,

additional surge protection solutions in the low-voltage distributor, and solutions for the fireproof routing of cables, or a comprehensive selection of cable support systems for cable routing, for example in underground car parks.





OBO Bettermann Middle East and North Africa FZCO

P.O. Box 371148
Office 402 - Building 1E
Dubai Airport Free Zone
Dubai

Phone: +971 4 26 68 726
Fax: +971 4 26 68 726
E-Mail: salesmea@obo.de

www.obo.ae

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Building Connections

