Junction boxes overview

Versatile junction boxes for any installation requirement in all kinds of application areas

OBO

BETTERMANN

A series
The everyday hero

The A series families is one of our well-known classic brands. Made of halogen-free thermoplastic, they offer 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. The bolts for mounting are contained in the scope of delivery of the boxes.
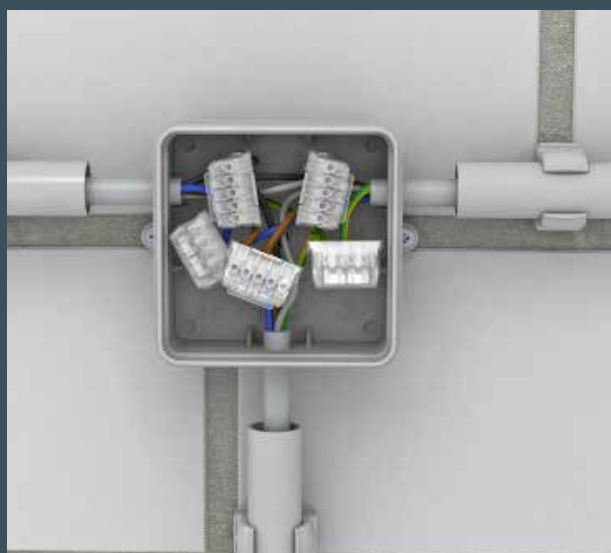

Premarked cable entries

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

Tight-fitting clamshell

The covers of the A series also allow 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.
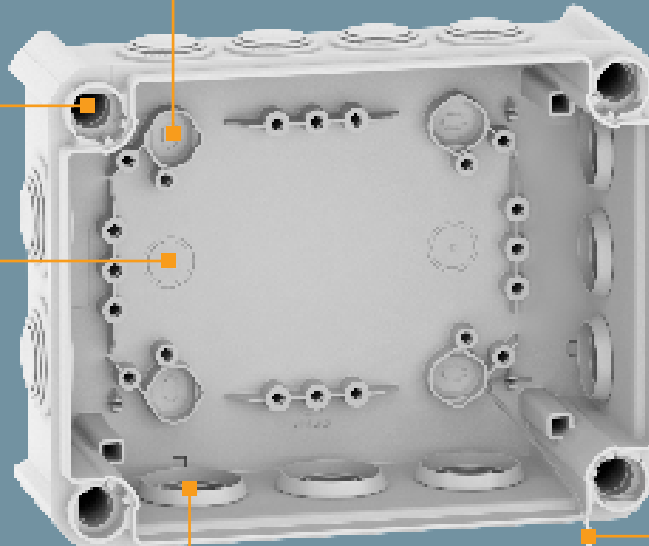
Warehouses, sports halls and car parks

Protected exterior areas, e.g. under roof overhangs

Escape route lighting for the maintenance of the electrical supply

All the benefits at a glance

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

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

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

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.

Maintaining 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

Professionals are at work here: The junction boxes are high-quality and robust. With its impact resistance of IK09, 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.
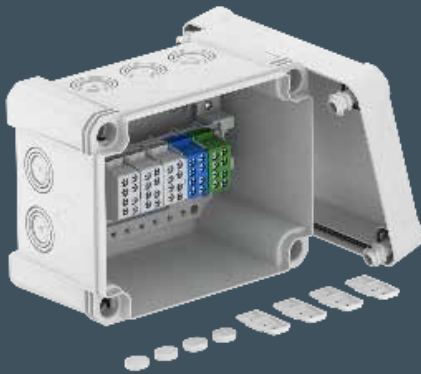
Industrial applications

Unprotected exterior areas
e.g. on surveillance cameras

Greenhouses and workshops

Extra strong,
particularly high load capacity

Impact resistance

The use of special plastics based on high-quality poly-carbonate allows the X series junction boxes and empty housings with the IK09 classification to offer the highest impact resistance in its 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 bran-ch terminals, cable glands, screwless terminals and hat 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 installation 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**
A6	100 ml	1
A8	130 ml	1
A11	190 ml	1
A14	290 ml	1
A18	380 ml	1

T series	ml per unit*	PU**	
T25	80 ml	1	
T40	250 ml	1	
T60	410 ml	1	M
T60 HD	590 ml	1	L
T100	720 ml	1	L
T100 HD	770 ml	1	L
T160	1,540 ml	1	XL
T160 HD	1,930 ml	2	XL
T250	3,170 ml	2	XL
T250 HD	3,310 ml	2	XL
T350	5,200 ml	4	XL
T350 HD	6,830 ml	5	XL

X series	ml per unit	PU**	
X01	300 ml	1	M
X02	380 ml	1	M
X04	580 ml	1	L
X06	930 ml	1	L
X10	2,600 ml	2	XL
X16	4,390 ml	3	XL
X25	6,840 ml	4	XL

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

	M	L	XL
250 ml	400 ml	800 ml	1,600 ml

A series
Light grey

IP 55 | 2.5 mm² | HALOGEN FREE | 650° | DVE

A series
Pure white

IP 55 | 2.5 mm² | HALOGEN FREE | 650° | DVE

A series
Red

IP 55 | 2.5 mm² | HALOGEN FREE | 650° | DVE

A6
80 x 43 x 34 mm

Light grey	Pure white	Red
10	10	10
A6 — 2000 00 1 — Without terminal strip	A6 HF RW — 2000 00 5 — Without terminal strip	A6 HF RO — 2000 00 3 — Without terminal strip

A8
75 x 75 x 36.2 mm

Light grey	Pure white	Red
7	7	7
A8 5 — 2000 02 4 — 1 terminal strip — With terminal strip	A8 HF RW — 2000 07 5 — Without terminal strip	A8 HF RO — 2000 05 9 — Without terminal strip
A8 — 2000 01 6 — Without terminal strip		

A11
85 x 85 x 40 mm

Light grey	Pure white	Red
12	12	12
A11 5 — 2000 32 6 — 1 terminal strip — With terminal strip	A11 HF RW — 2000 18 0 — Without terminal strip	A11 HF RO — 2000 16 4 — Without terminal strip
A11 — 2000 34 2 — Without terminal strip		

A14
100 x 100 x 40 mm

Light grey	Pure white	Red
14	14	14
A14 5 — 2000 38 2 — 1 terminal strip — With terminal strip	A14 HF RW — 2000 39 0 — Without terminal strip	A14 HF RO — 2000 38 6 — Without terminal strip
A14 — 2000 37 8 — Without terminal strip		

A18
125 x 100 x 40 mm

Light grey	Pure white	Red
18	18	18
A18 5 — 2000 41 4 — 1 terminal strip — With terminal strip	A18 HF RW — 2000 42 2 — Without terminal strip	A18 HF RO — 2000 41 8 — Without terminal strip
A18 — 2000 41 0 — Without terminal strip		

Accessories

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

Terminal strip — 2017 34 2
With 5 terminals

T series

<table>
<tr>
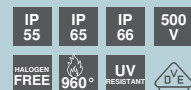<th>T series
Light grey,
+ Plug-in seals

IP 55 · IP 65 · IP 66 · 500 V
HALOGEN FREE · 650° · UV RESISTANT · D⟋E</th>
<th>T series
Red cover,
+ Plug-in seals

IP 55 · IP 66 · 500 V
HALOGEN FREE · 650° · UV RESISTANT · D⟋E</th>
<th>T series
Pure white,
+ Plug-in seals

IP 55 · IP 65 · IP 66 · 500 V
HALOGEN FREE · 650° · UV RESISTANT · D⟋E</th>
<th>T series
Flame-resistant,
+ Plug-in seals

IP 55 · IP 65 · IP 66 · 500 V
HALOGEN FREE · 960° · UV RESISTANT · D⟋E</th>
<th>T series
+ Terminal strip,
+ Plug-in seals

IP 55 · IP 65 · IP 66 · 500 V
HALOGEN FREE · 650° · UV RESISTANT · D⟋E</th>
<th>T series
With closed side walls without entries

IP 55 · IP 66 · 500 V
HALOGEN FREE · 650° · UV RESISTANT · D⟋E</th>
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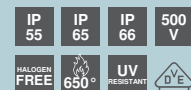
T25 — Ø80 x 51 mm
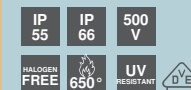
Light grey	Red cover	Pure white	Flame-resistant	+ Terminal strip	Closed side walls
T25 2007 02 9 4 x M25		T25 RW 2007 50 9 4 x M25	T25 F 2007 31 2 4 x M25 960°	T25 KL 2007 43 0 4 x M25 With terminal strip	

T40 — 90 x 90 x 52 mm

Light grey	Red cover	Pure white	Flame-resistant	+ Terminal strip	Closed side walls
T40 2007 04 5 7 x M25	T 40 RO-LGR 2007 63 0 7 x M25	T40 RW 2007 51 7 7 x M25	T40 F 2007 32 0 4 x M25 960°	T40 KL 2007 43 2 4 x M25 With terminal strip	T40 OE 2007 22 3 Closed

T60 — 114 x 114 x 57 mm

Light grey	Red cover	Pure white	Flame-resistant	+ Terminal strip	Closed side walls
T60 2007 06 1 7 x M25	T 60 RO-LGR 2007 63 8 7 x M25	T60 RW 2007 52 5 7 x M25	T60 F 2007 33 9 4 x M25 960°	T60 KL 2007 43 4 4 x M25 With terminal strip	T60 OE 2007 23 9 Closed

T100 — 150 x 116 x 67 mm

Light grey	Red cover	Pure white	Flame-resistant	+ Terminal strip	Closed side walls
T100 2007 07 7 10 x M25 T100 M25-M32 2007 08 1 8 x M25, 2 x M32	T 100 RO-LGR 2007 64 4 10 x M25	T100 RW 2007 53 3 10 x M25	T100 F 2007 34 7 4 x M25 960°	T100 KL 2007 43 6 4 x M25 With terminal strip	T100 OE 2007 25 5 Closed

T160 — 190 x 150 x 77 mm

Light grey	Red cover	Pure white	Flame-resistant	+ Terminal strip	Closed side walls
T160 2007 09 3 7 x M25, 5 x M32 T160 M32 2007 09 7 10 x M32	T 160 RO-LGR 2007 64 9 7 x M25, 5 x M32	T160 RW 2007 54 1 7 x M25, 5 x M32	T160 F 2007 35 5 4 x M25 960°	T160 KL 2007 44 0 4 x M25 With terminal strip	T160 OE 2007 27 1 Closed

T250 — 225 x 173 x 86 mm

Light grey	Red cover	Pure white	Flame-resistant	+ Terminal strip	Closed side walls
T250 2007 10 9 9 x M25, 7 x M32	T 260 RO-LGR 2007 65 7 9 x M25, 7 x M32	T250 RW 2007 55 4 9 x M25, 7 x M32	T250 F 2007 36 3 4 x M25 960°	T250 KL 2007 44 4 4 x M25 With terminal strip	T250 OE 2007 28 7 Closed

T350 — 285 x 201 x 120 mm

Light grey	Red cover	Pure white	Flame-resistant	+ Terminal strip	Closed side walls
T350 2007 12 5 16 x M32, 8 x M40		T350 RW 2007 56 8 16 x M32, 8 x M40	T350 F 2007 37 1 4 x M25 960°	T350 KL 2007 44 8 4 x M25 With terminal strip	T350 OE 2007 30 3 Closed

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T series sets

T 60 M25 NL 2007 92 2 Version with plug-in seal With 3 cable glands	T 60 M20 NL 2007 91 8 Version with pre-marking With 3 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
IP 66 · HALOGEN FREE · 500 V · 650° · UV RESISTANT · DVE	IP 66 · HALOGEN FREE · 500 V · 650° · UV RESISTANT · DVE	IP 66 · HALOGEN FREE · 500 V · 650° · UV RESISTANT · DVE	IP 66 · HALOGEN FREE · 500 V · 650° · UV RESISTANT · DVE	IP 67 · HALOGEN FREE · 500 V · 650° · UV RESISTANT · DVE

T 40 M20   2007 90 0
With M20 knock-out entries
T 40 M20 SW   2007 90 1
Black
T 40 M20 KL   2007 90 4
With terminal strip

T 60 M20   2007 91 0
With M20 knock-out entries
T 60 M20 KL   2007 91 4
With terminal strip

T 60 M25   2007 92 6
With M25 knock-out entries
T 60 M25 Ro-LGR   2007 92 7
With red cover

T 60 HD LGR 2007 71 0 — 7 x M25	**T 60 HD TR** 2007 75 0 — 7 x M25	**T 60 OE HD LGR** 2007 73 0 — Closed	**T 60 OE HD TR** 2007 77 0 — Closed
T 100 HD LGR 2007 71 2 — 10 x M25	**T 100 HD TR** 2007 75 2 — 10 x M25	**T 100 OE HD LGR** 2007 73 2 — Closed	**T 100 OE HD TR** 2007 77 2 — Closed
T 160 HD LGR 2007 71 4 — 7 x M25, 5 x M32	**T 160 HD TR** 2007 75 4 — 7 x M25, 5 x M32	**T 160 OE HD LGR** 2007 73 4 — Closed	**T 160 OE HD TR** 2007 77 4 — Closed
T 250 HD LGR 2007 71 6 — 9 x M25, 7 x M32	**T 250 HD TR** 2007 75 6 — 9 x M25, 7 x M32	**T 250 OE HD LGR** 2007 73 6 — Closed	**T 250 OE HD TR** 2007 77 6 — Closed
T 350 HD LGR 2007 71 8 — 16 x M32, 8 x M40	**T 350 HD TR** 2007 75 8 — 16 x M32, 8 x M40	**T 350 OE HD LGR** 2007 73 8 — Closed	**T 350 OE HD TR** 2007 77 8 — Closed
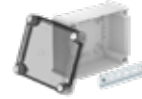
T series + Strain relief entries

IP 30 · HALOGEN FREE · 650° · UV RESISTANT · 500 V · DVE

T 60 ZE IP30   2007 80 3
7 strain relief entries

T 100 ZE IP30   2007 80 5
10 strain relief entries

T series accessories

BE TS KR   2007 83 3
Fastening element for T 60 and T 100 on a cable tray

BE GR KR   2007 83 3
Fastening element for T 60 and T 100 on a mesh cable tray

T-S MST   2007 83 1
Fastening pin

T series
for plug contacts

IP 30 | HALOGEN FREE | 650° | UV RESISTANT | 500 V | DVE

With openings for the mounting of plug contacts (Wieland/WAGO)
T 100 WB3   2007 80 7

With openings for the mounting of plug contacts (Wieland/WAGO)
T 100 WB3-10   2007 80 8

With openings for the mounting of plug contacts (Wieland/WAGO)
T 100 WB5   2007 84 0
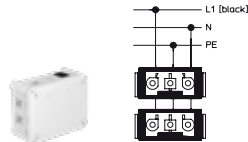
T series
Pre-terminated Modul 45 variants

IP 30 | HALOGEN FREE | 650° | UV RESISTANT | 500 V | DVE

2 Modul 45 sockets in the cover, 1-pin
T 100 2MSD WS   2007 82 1
2 sockets, 33° white

4 Modul 45 sockets in the cover, 2-pin
T 100 4MSD WS   2007 82 5
4 sockets, 33° white

T series
Single-phase pre-terminated for plug contacts

IP 30 | HALOGEN FREE | 650° | UV RESISTANT | 500 V | DVE

3-pin Wieland socket, single-phase
T 100 WB 2S3   2007 80 9
Wieland socket 2 s
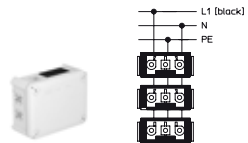
3-pin Wieland socket, single-phase
T 100 WB 3S3   2007 81 3
Wieland socket 3 s
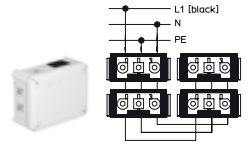
3-pin Wieland socket, single-phase
T 100 WB 4S3   2007 81 1
Wieland socket 4 s
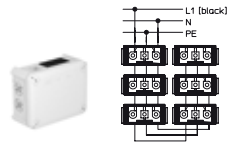
3-pin Wieland socket, single-phase
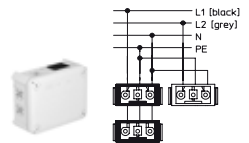**T 100 WB 6S3**   2007 82 2
Wieland socket 6 s
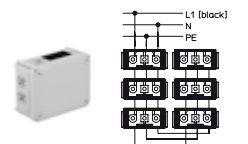
3-pin WAGO socket, single-phase
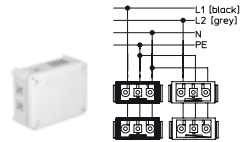**T 100 WWB 6SW**   2007790
150 x 116 x 67

T series
Two-phase pre-terminated for plug contacts

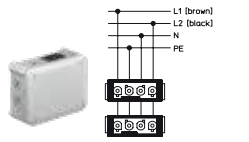IP 30 | HALOGEN FREE | 650° | UV RESISTANT | 500 V | DVE
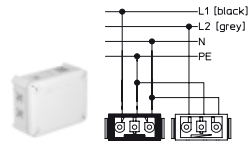
3-pin Wieland socket, two-phase
T 100 WB 1W3 1S3   2007 81 5
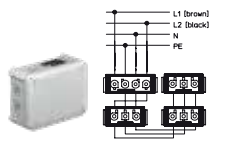W socket 1w+1s

3-pin Wieland socket, two-phase
T 100 WB 1W3 2S3   2007 81 7
W socket 1w+2s

3-pin Wieland socket, two-phase
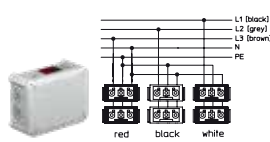**T 100 WB 2W3 2S3**   2007 81 9
W socket 2w+2s

4-pin Wieland socket, two-phase
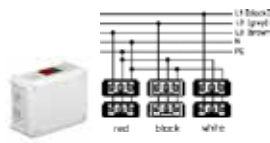**T 100 WB 2s4**   2007 84 8
W socket 2s

4-pin Wieland socket, two-phase
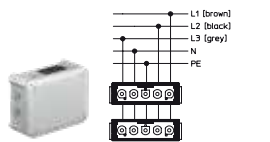**T 100 WB 3S3 1S4**   2007 84 4
W socket 3s+1s

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

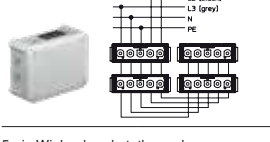IP 30 | HALOGEN FREE | 650° | UV RESISTANT | 500 V | DVE

3-pin WAGO socket, three-phase
T 100 WWB   2007 79 2
W socket 3x2 (bl; bl; rd)

3-pin Wieland socket, three-phase
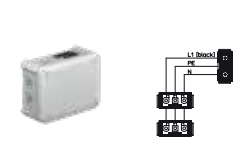**T 100 WB 6S**   2007 81 4
W socket 6s3p 3x2

5-pin Wieland socket, three-phase
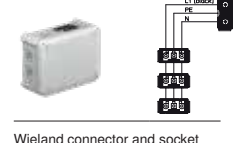**T 100 WB 2s5**   2007 85 2
W socket 2s

5-pin Wieland socket, three-phase
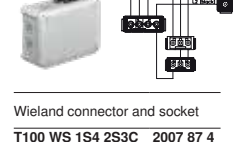**T 100 WB 4s5**   2007 85 6
W socket 4s

T series
Pre-terminated connectors and sockets

IP 30 | HALOGEN FREE | 650° | UV RESISTANT | 500 V | DVE

Wieland connector and socket
T100 WS 1S3 2S3D   2007 87 6

Wieland connector and socket
T100 WS 1S3 3S3A   2007 87 0

Wieland connector and socket
T100 WS 1S4 2S3C   2007 87 4

FireBox Internal fastening with plug-in seals	FireBox External fastening with plug-in seals	FireBox For data technology with plug-in seals	FireBox Closed internal fastening	FireBox External fastening with impact-resistant cover	FireBox Accessories
E30 E60 E90 HALOGEN FREE	E30 E60 E90 HALOGEN FREE	E30 E60 E90 HALOGEN FREE	E30 E60 E90 HALOGEN FREE	E30 E60 E90 HALOGEN FREE	

FireBox — Internal fastening with plug-in seals

151 x 117 x 67 mm
T 100 ED 4-5   7205 52 9
4 mm² nominal cross-section
T 100 ED 6-5   7205 53 0
6 mm² nominal cross-section
T 100 ED 10-5   7205 53 3
10 mm² nominal cross-section

190 x 150 x 77 mm
T 160 ED 16-5   7205 53 6
16 mm² nominal cross-section

with fuse holder
151 x 117 x 67 mm
T 100 ED 6-6 F   7205 55 0
6 mm² nominal cross-section
T 100 ED 10-6 F   7205 55 3
10 mm² nominal cross-section

with fuse holder
190 x 150 x 77 mm
T 160 ED 16-6 F   7205 55 6
16 mm² nominal cross-section

FireBox — External fastening with plug-in seals

151 x 117 x 67 mm
T 100 ED 6-5 A   7205 54 0
6 mm² nominal cross-section
T 100 ED 10-5 A   7205 54 3
10 mm² nominal cross-section

190 x 150 x 77 mm
T 160 ED 16-5 A   7205 54 6
16 mm² nominal cross-section

with fuse holder
151 x 117 x 67 mm
T 100 ED 6-6 AF   7205 56 0
6 mm² nominal cross-section
T 100 ED 10-6 AF   7205 56 3
10 mm² nominal cross-section

with fuse holder
190 x 150 x 77 mm
T 160 ED 16-6 AF   7205 56 6
16 mm² nominal cross-section

FireBox — For data technology with plug-in seals

151 x 117 x 67 mm
T 100 ED 4-10 D   7205 58 0
4 mm² nominal cross-section

151 x 117 x 67 mm
T 100 ED 4-10 AD   7205 58 3
4 mm² nominal cross-section

285 x 201 x 120 mm
T 350 ED 4-28 AD   7205 59 0
4 mm² nominal cross-section

FireBox — Closed internal fastening

151 x 117 x 67 mm
T 100 E 4-5   7205 51 0
4 mm² nominal cross-section

190 x 150 x 77 mm
T 160 E 10-5   7205 52 4
10 mm² nominal cross-section
T 160 E 16-5   7205 52 8
16 mm² nominal cross-section

190 x 150 x 77 mm
T 160 E 4-8D   7205 52 0
4 mm² nominal cross-section

FireBox — External fastening with impact-resistant cover

151 x 117 x 84.8 mm
T 100 ED 6-5 AS   7205 62 0
6 mm² nominal cross-section
T 100 ED 10-5 AS   7205 62 3
10 mm² nominal cross-section

190 x 150 x 77 mm
T 160 ED 16-5 AS   7205 62 6
16 mm² nominal cross-section

with fuse holder
151 x 117 x 67 mm
T 100 ED 6-6 AFS   7205 63 0
6 mm² nominal cross-section
T 100 ED 10-6 AFS 7205 63 3
10 mm² nominal cross-section

151 x 117 x 67 mm
T 100 ED 4-10 ADS 7205 64 0
4 mm² nominal cross-section

FireBox — Accessories

Fuse holder for FireBox T
TE-FH 520   7205 57 0

Plug-in seal for cable
EDK 25 OR   7205 67 5
EDK 32 OR   72056 7 7
EDK 40 OR   7205 67 9

Ceramic terminal with wire protection
TK 04   7205 70 0
TK 06   7205 70 2
TK 10   7205 70 4
TK 16   7205 70 6

Protective conductor terminal
TPE 04   7205 70 8
TPE 25   7205 71 0

X series Junction box Light grey Light grey	**X series** Junction box Light grey Transparent	**X series** Junction box Graphite black Graphite black	**X series** Junction box Graphite black Red	**X series** Junction box + Terminal strip
IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT

X01 — 95 x 95 x 60

X01 LGR 2005 00 0 7 x M20	X01 LGR-TR 2005 05 0 7 x M20	X01 SW 2005 11 0 7 x M20	X01 SW-RO 2005 14 0 7 x M20	X01 T LGR 2005 19 0 With 5-pin terminal strip

X02 — 95 x 95 x 72

X02 LGR 2005 00 4 7 x M20	X02 LGR-TR 2005 05 4 7 x M20	X02 SW 2005 11 4 7 x M20	X02 SW-RO 2005 14 4 7 x M20	X02 T LGR 2005 19 4 With 5-pin terminal strip

X04 — 114 x 114 x 78

X04 LGR 2005 00 8 7 x M20/M25	X04 LGR-TR 2005 05 8 7 x M20/M25	X04 SW 2005 11 8 7 x M20/M25	X04 SW-RO 2005 14 8 7 x M20/M25	X04 T LGR 2005 19 8 With 5-pin terminal strip

X06 — 190 x 150 x 125

X06 LGR 2005 01 2 8 x M20/M25	X06 LGR-TR 2005 06 2 8 x M20/M25	X06 SW 2005 12 2 8 x M20/M25	X06 SW-RO 200515 2 8 x M20/M25	X06 T LGR 2005 20 2 With 5-pin terminal strip

X10 — 240 x 191 x 125

X10 LGR 2005 01 6 10 x M20/M25/M32	X10 LGR-TR 2005 06 6 10 x M20/M25/M32	X10 SW 2005 12 6 10 x M20/M25/M32	X10 SW-RO 2005 15 6 10 x M20/M25/M32	X10 T LGR 2005 20 6 With 5 terminal strips of 4 terminals each

X16 — 286 x 202 x 126

X16 LGR 2005 02 0 10 x M25/M32/M40	X16 LGR-TR 2005 07 0 10 x M25/M32/M40	X16 SW 2005 13 0 10 x M25/M32/M40	X16 SW-RO 2005 16 0 10 x M25/M32/M40	X16 T LGR 2005 21 0 With 5 terminal strips of 4 terminals each

X25 — 286 x 202 x 126

X25 LGR 2005 02 4 10 x M25/M32/M40	X25 LGR-TR 2005 07 4 10 x M25/M32/M40	X25 SW 2005 13 4 10 x M25/M32/M40	X25 SW-RO 2005 16 4 10 x M25/M32/M40	X25 T LGR 2005 21 4 With 5 terminal strips of 4 terminals each

Main line branch terminals

HLAK 4-8x16 2009 03 2 Main line branch terminal, 4-pin	HLAK 5-10x16 2009 03 6 Main line branch terminal, 5-pin

X series
Junction box
+ Terminal strip
+ Cable glands + lock-nuts

| IP 67 | IK 09 |
| HALOGEN FREE | 650° | UV RESISTANT |

X01 T G M20 LGR   2005 22 0
With terminal strip, with 3 x V-TEC
VM 20 with locknuts

X02 T G M20 LGR   2005 22 2
With terminal strip, with 3 x V-TEC
VM 20 with locknuts

X04 T G M25   2005 22 4
With terminal strip, with 3 x V-TEC
VM 25 with locknuts

X06 T G M25   2005 22 6
With terminal strip, with 3 x V-TEC
VM 25 with locknuts

X series
Junction box
+ Cable glands
+ Locknuts

| IP 67 | IK 09 |
| HALOGEN FREE | 650° | UV RESISTANT |

X01 G M20 LGR   2005 03 0
With 3 x V-TEC VM20

X02 G M20 LGR   2005 03 2
With 3 x V-TEC VM20

X04 G M20 LGR   2005 03 4
With 3 x V-TEC VM20

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

| IP 67 | IK 09 |
| HALOGEN FREE | 650° | UV RESISTANT |

X01 UT G LGR   2005 24 0
With 3 x 61 525 FL, with 3 x V-TEC
VM 20 with locknuts

X02 UT G LGR   2005 24 4
With 3 x 61 525 FL, with 3 x V-TEC
VM 20 with locknuts

X04 UT G LGR   2005 24 8
With 3 x 61 525 FL, with 3 x V-TEC
VM 25 with locknuts

X series
Junction box
+ Transparent cover
+ Hat profile rail

| IP 67 | IK 09 |
| HALOGEN FREE | 650° | UV RESISTANT |

X06 R LGR-TR   2005 09 2
With hat profile rail type 2069

X10 R LGR-TR   2005 09 6
With hat profile rail type 2069

X16 R LGR-TR   2005 10 0
With hat profile rail type 2069

X25 R LGR-TR   2005 10 4
With hat profile rail type 2069

X series
Junction box
+ Main line
   branch terminal

| IP 67 | IK 09 |
| HALOGEN FREE | 650° | UV RESISTANT |

X06 H25 GP4 LGR   2005 30 4
With 4-pin HLAK,
16 terminals, for 16 mm²

X10 H25 GNP5 LGR   2005 30 8
With 5-pin HLAK,
20 terminals, for 16 mm²

X16 H25 GNP5 LGR   2005 31 2
With 5-pin HLAK,
20 terminals, for 16 mm²
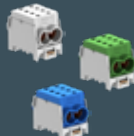**X16 H35 GNP5 LGR   2005 31 6**
20 terminals, for 25 mm²

X25 H35 GNP5 LGR   2005 32 0
With 5-pin HLAK,
20 terminals, for 25 mm²
X25 H50 GNP5 LGR   2005 32 4
20 terminals, for 35 mm²

Main line branch terminals

HLAK 5-10x25   2009 03 8
Main line branch terminal, 5-pole

HLAK 1-2x35

GR	2009 04 2
GRGN	2009 04 4
GRBL	2009 04 6

Main line branch terminal, 1-pole

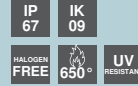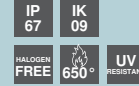| X series Empty housing Light grey Light grey	X series Empty housing Light grey Transparent	X series Empty housing Graphite black Graphite black	X series Empty housing + Hat profile rail	X series Empty housing + Transparent cover + Hat profile rail
IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT	IP 67 IK 09 HALOGEN FREE 650° UV RESISTANT

X01 — 95 x 95 x 60 mm

| X01C LGR   2005 45 0
Closed | X01C LGR-TR   2005 52 0
Closed | X01C SW   2005 59 0
Closed | | |

X02 — 95 x 95 x 72 mm

| X02C LGR   2005 45 4
Closed | X02C LGR-TR   2005 52 4
Closed | X02C SW   2005 59 4
Closed | | |

X04 — 114 x 114 x 78

| X04C LGR   2005 45 8
Closed | X04C LGR-TR   2005 52 8
Closed | X04C SW   2005 59 8
Closed | | |

X06 — 190 x 150 x 125 mm

| X06C LGR   2005 46 2
Closed | X06C LGR-TR   2005 53 2
Closed | X06C SW   2005 60 2
Closed | X06C R LGR   2005 49 0
With hat profile rail type 2069 | X06C R LGR-TR   200 556 0
With hat profile rail type 2069 |

X10 — 240 x 191 x 125 mm

| X10C LGR   2005 46 6
Closed | X10C LGR-TR   2005 53 6
Closed | X10C SW   2005 60 6
Closed | X10C R LGR   200 549 4
With hat profile rail type 2069 | X10C R LGR-TR   2005 56 4
With hat profile rail type 2069 |

X16 — 286 x 202 x 126 mm

| X16C LGR   2005 47 0
Closed | X16C LGR-TR   2005 54 0
Closed | X16C SW   2005 61 0
Closed | X16C R LGR   2005 49 8
With hat profile rail type 2069 | X16C R LGR-TR   2005 56 8
With hat profile rail type 2069 |

X25 — 286 x 202 x 126 mm

| X25C LGR   2005 47 4
Closed | X25C LGR-TR   2005 54 4
Closed | X25C SW   2005 61 4
Closed | X25C R LGR   2005 50 2
With hat profile rail type 2069 | X25C R LGR-TR   2005 57 2
With hat profile rail type 2069 |

Mounting plates for fastening on cable trays

| MP FL FS   7084 75 7
Strip galvanised, FS
MP FL DD   7085 10 8
Zinc-aluminium-coated, DD | MP WI GR. FS   7084 75 7
Strip galvanised, FS
MP WI GR. DD   7085 10 8
Zinc-aluminium-coated, DD | MP 225 UNI FS   7084 87 0
Strip galvanised, FS |

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

| IP 66 |

Mx series
Die-cast aluminium
Paintable

| IP 66 |

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

| IP 66 | IK 09 | M | 400 V | 650 |

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

| IP 66 | IK 09 | M | 400 V | UV RESISTANT | 850° | D·E |

Mx 060503 LGR   2011 30 4
64 x 58 x 36 mm

Mx 080705 LGR   2011 30 8
80 x 75 x 57 mm

Mx 120805 LGR   2011 31 2
125 x 80 x 57 mm

Mx 151008 LGR   2011 31 6
150 x 100 x 80 mm

Mx 161609 LGR   2011 32 0
160 x 160 x 90 mm

Mx 170805 LGR   2011 32 4
175 x 80 x 80 mm

Mx 241610 LGR   2011 32 8
240 x 160 x 100 mm

Mx 361609 LGR   2011 33 2
360 x 160 x 90 mm

Mx 060503 CR3   2011 37 8
64 x 58 x 34 mm

Mx 080705 CR3   2011 38 1
80 x 75 x 57 mm

Mx 090603 CR3   2011 38 4
98 x 64 x 34 mm

Mx 120805 CR3   2011 38 6
125 x 80 x 57 mm

Mx 161008 CR3   2011 38 9
160 x 100 x 81 mm

Mx 161609 CR3   2011 39 2
160 x 160 x 90 mm

Mx 221209 CR3   2011 39 4
220 x 120 x 90 mm

Mx 261609 CR3   2011 39 6
260 x 160 x 90 mm

Mx 361609 CR3   2011 39 8
360 x 160 x 90 mm

M20 M25

3 division units
SDB 03L PS   **2008 820**
SDB 03 PS   **2008 800**
With terminal set and labelling sheet

M20 M25

5 division units
SDB 05L PS   **2008 824**
SDB 05 PS   **2008 804**
With terminal set and labelling sheet

M20 M25 M32

9 division units
SDB 09L PS   **2008 828**
SDB 09 PS   **2008 808**
With terminal set and labelling sheet

M20 M25 M32

12 division units
SDB 12L PS   **2008 832**
SDB 12 PS   **2008 812**
With terminal set and labelling sheet

M20 M25

3 division units
SDB 03L PC   **2008 860**
SDB 03 PC   **2008 840**
With terminal set and labelling sheet

M20 M25

5 division units
SDB 05L PC   **2008 864**
SDB 05 PC   **2008 844**
With terminal set and labelling sheet

M20 M25 M32

9 division units
SDB 09L PC   **2008 868**
SDB 09 PC   **2008 848**
With terminal set and labelling sheet

M20 M25 M32

12 division units
SDB 12L PC   **2008 872**
SDB 12 PC   **2008 852**
With terminal set and labelling sheet

MP WI KL. FS   7084 76 5
Strip galvanised, FS
MP WI aKL. DD   7085 11 1
Zinc-aluminium-coated, DD

MP UNI FS   7084 77 3
Strip galvanised, FS
MP UNI DD   7085 11 4
Zinc-aluminium-coated, DD

Strong partners
for every requirement

V-TEC cable gland

Fastest, most convenient means of cable entry for junction boxes and housings:

- Strain relief and tightness (protection class IP68) Tested to DIN EN 62444
- Available with metric and PG connection threads
- Also available as a set including locknuts or as separable cable gland

Terminal systems

Connect all kinds of conductors simply, safely and reliably

Screwless terminal, universal

- Simple connection and disconnection of flexible, multi-wire and rigid conductors
- Insertion of rigid conductors possible without actuation of the release lever
- 0.2 mm²–2.5 mm²
- Tested to EN 60998

Screwless terminal

- Screwless terminal to connect single-wire or rigid, multi-wire conductors
- 3,5 and 8-pin version
- 0.5 mm²–2.5 mm² nominal cross-section
- Tested to EN 60996

Luminaire connection terminal

- For the toolless connection of single-wire and multi-wire conductors
- 0.5–2.5 mm² nominal cross-section
- Tested to EN 60996

Quick pipe

In connection with Quick Clips, the ideal solution for rapid surface-mounted installations and trouble-free retroinstallation

- Simple installation thanks to the highly elastic hinge
- Rapid closing by turning the Quick pipe in the Quick clip
- In 4 sizes: M16-M32
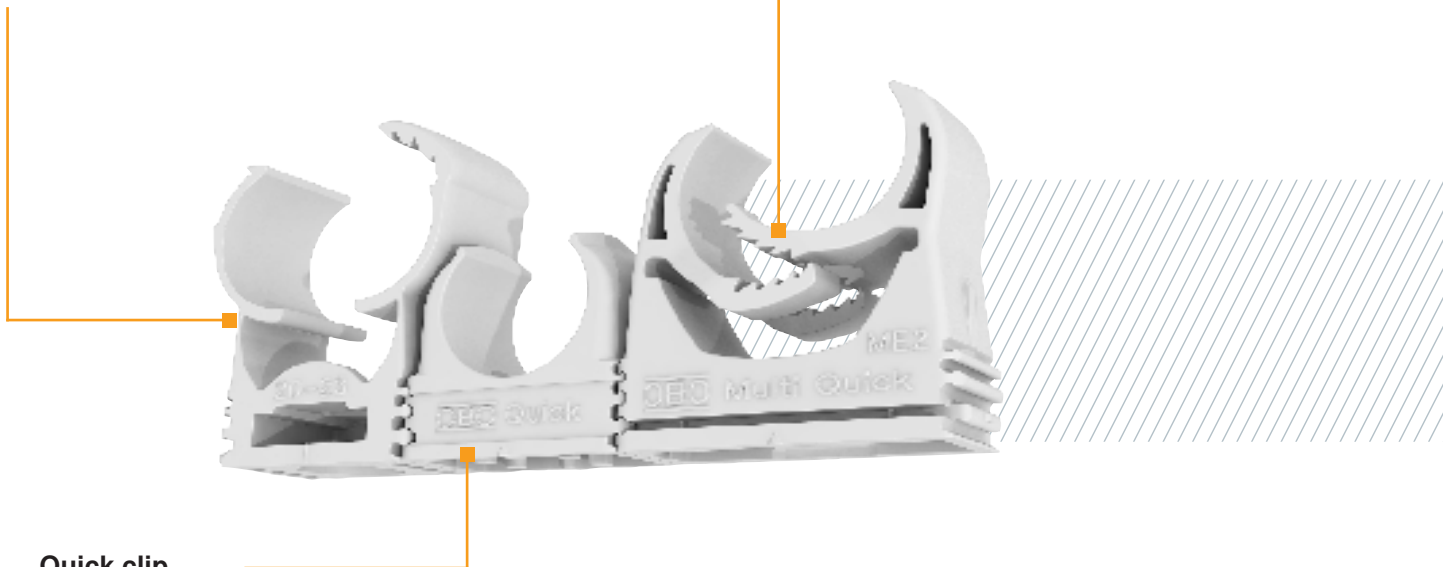- In 2 colours: Pure white and light grey
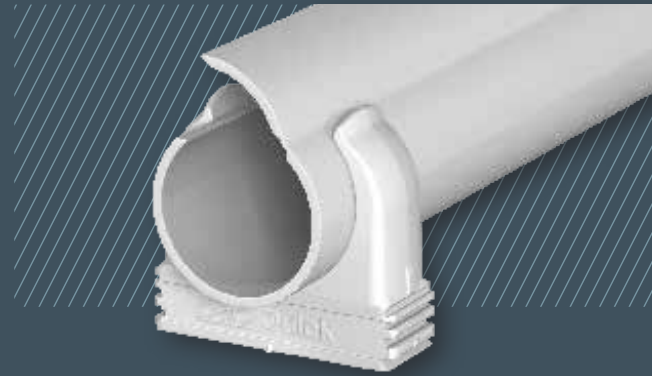
Quick clip

Arrangeable cable and pipe clips in 3 variants

starQuick clip

- Snap lock with patented safety system
- Can be lined up up to size SQ28
- UV and weather-resistant

Multi-Quick clip

- One clip for multiple dimensions
- Universal application
- PG and metric

Quick clip

- "High-speed clip"
- Extreme loading capacity
- Patented arrangement contour: Fasten up to 3 clips with one drill hole

Building Connections

OBO
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