



Overview of junction boxes



Building Connections

OBO
BETTERMANN

Variety



Staying young

A series

Classic and still youthful: The well-known junction boxes of the A series have had a makeover. Halogen-free thermoplastic is just as much of a hallmark of the A series as a tight-fitting clamshell and pre-marked cable entries. A protection rating of IP55 and practical external fastenings round off the profile of this classic series.



Real hard cases

Mx series

The aluminium empty housings of the Mx series were designed for use under the toughest conditions and provide optimum protection of the installation. Their metal housing can resist both extremely high and low temperatures as well as major differences in temperature. Even high impact loads in an industrial surrounding, vandalism or rock falls are not able to harm the housing.



Universal

T series

With high-quality materials, sensible wall thicknesses and a stable construction, the T series is intelligent to the core. All the junction boxes of the T series are marked by their UV-resistant, impact-resistant and halogen-free material and are ideally suited for use both indoors and protected areas outdoors.



Pre-terminated

T series with plug-in contacts and Modul 45

Pre-terminated Wieland, Wago and Modul 45 connectors reduce mounting time to a minimum. The wide range of variants means that the T series is perfectly matched to all kinds of different installation tasks.



Extremely high load capacity

X series

The x series covers all the requirements for modern connection sockets: With a rating of IK09, the X series junction boxes show their particularly high impact resistance. At the same time, the junction boxes stand out because of their functional, well thought-out design. The simple and flexible mounting, either with internal, external or corner fastening, stands out in the practical test, as does the particularly high wiring space.



Maintaining the function

Fire Box series

The Fire Box is tested and approved as a connection socket for the maintenance of electrical functionality according to DIN 4102 Part 12 with the classes E30 to E90. The high temperature-resistant terminals to connect the individual cable wires are pre-mounted to form a connection unit.

A series Light grey



A series Pure white



A series Red



A6
80 x 43 x 34 mm



A6 2000 00 1
Without terminal strip

A8
75 x 75 x 36.2 mm



A8 5 2000 02 4
1 terminal strip
A8 2000 01 6
Without terminal strip

A11
85 x 85 x 40 mm



A11 5 2000 32 6
1 terminal strip
A11 2000 34 2
Without terminal strip

A14
100 x 100 x 40 mm



A14 5 2000 38 2
1 terminal strip
A14 2000 37 8
Without terminal strip

A18
125 x 100 x 40 mm



A18 5 2000 41 4
1 terminal strip
A18 2000 41 0
Without terminal strip



A6 HF RW 2000 00 5
Without terminal strip



A8 HF RW 2000 07 5
Without terminal strip



A11 HF RW 2000 18 0
Without terminal strip



A14 HF RW 2000 39 0
Without terminal strip



A18 HF RW 2000 42 2
Without terminal strip



A6 HF RO 2000 00 3
Without terminal strip



A8 HF RO 2000 05 9
Without terminal strip



A11 HF RO 2000 16 4
Without terminal strip



A14 HF RO 2000 38 6
Without terminal strip



A18 HF RO 2000 41 8
Without terminal strip



Accessories

Cut-out tool

For every ten boxes of the A series one cutting tool is included.



	T series Light grey, with plug-in seals	T series Red cover, with plug-in seals	T series Pure white, with plug-in seals	T series Flame-resistant, with plug-in seals	T series With terminal strip, and plug-in seals	T series With closed side walls without entries
	IP 55 IP 65 IP 66 500 V HALOGEN FREE 650 ° UV RESISTANT	IP 55 IP 66 500 V HALOGEN FREE 650 ° UV RESISTANT	IP 55 IP 65 IP 66 500 V HALOGEN FREE 650 ° UV RESISTANT	IP 55 IP 65 IP 66 500 V HALOGEN FREE 960 ° UV RESISTANT	IP 55 IP 65 IP 66 500 V HALOGEN FREE 650 ° UV RESISTANT	IP 55 IP 66 500 V HALOGEN FREE 650 ° UV RESISTANT

T25 Ø80 x 51 mm						
T25 4x M25	2007 02 9		T25 RW 4x M25	2007 50 9	T25 F 4x M25	2007 31 2
T40 90 x 90 x 52 mm						
T40 7x M25	2007 04 5	T 40 RO-LGR 7x M25	T40 RW 7x M25	2007 51 7	T40 F 4x M25	2007 32 0
T60 114 x 114 x 57 mm						
T60 7x M25	2007 06 1	T 60 RO-LGR 7x M25	T60 RW 7x M25	2007 52 5	T60 F 4x M25	2007 33 9
T100 150 x 116 x 67 mm						
T100 10x M25	2007 07 7	T 100 RO-LGR 10x M25	T100 RW 10x M25	2007 53 3	T100 F 4x M25	2007 34 7
T100 M25-M32 8x M25, 2x M32	2007 08 1					
T160 190 x 150 x 77 mm						
T160 7x M25, 5x M32	2007 09 3	T 160 RO-LGR 7x M25, 5x M32	T160 RW 7x M25, 5x M32	2007 54 1	T160 F 4x M25	2007 35 5
T160 M32 10x M32	2007 09 7					
T250 225 x 173 x 86 mm						
T250 9x M25, 7x M32	2007 10 9	T 260 RO-LGR 9x M25, 7x M32	T250 RW 9x M25, 7x M32	2007 55 4	T250 F 4x M25	2007 36 3
T350 285 x 201 x 120 mm						
T350 16x M32, 8x M40	2007 12 5		T350 RW 16x M32, 8x M40	2007 56 8	T350 F 4x M25	2007 37 1
						2007 43 0
						2007 43 2
						2007 43 4
						2007 43 6
						2007 44 0
						2007 44 4
						2007 44 8
						2007 22 3
						2007 23 9
						2007 25 5
						2007 27 1
						2007 28 7
						2007 30 3

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 and
plug-in seals



T series
With high transparent
cover and plug-in seals



T series
With high cover, closed



T series
With high transparent
cover, closed



T series
With knock-out entries



T 60 HD LGR 2007 71 0
7x M25



T 100 HD LGR 2007 71 2
10x M25



T 160 HD LGR 2007 71 4
7x M25 + 5x M32



T 250 HD LGR 2007 71 6
9x M25 + 7x M32



T 350 HD LGR 2007 71 8
16x M32 + 8x M40



T 60 HD TR 2007 75 0
7x M25



T 100 HD TR 2007 75 2
10x M25



T 160 HD TR 2007 75 4
7x M25 + 5x M32



T 250 HD TR 2007 75 6
9x M25 + 7x M32



T 350 HD TR 2007 75 8
16x M32 + 8x M40



T 60 OE HD LGR 2007 73 0
Closed



T 100 OE HD LGR 2007 73 2
Closed



T 160 OE HD LGR 2007 73 4
Closed



T 250 OE HD LGR 2007 73 6
Closed



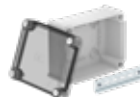
T 350 OE HD LGR 2007 73 8
Closed



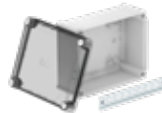
T 60 OE HD TR 2007 77 0
Closed



T 100 OE HD TR 2007 77 2
Closed



T 160 OE HD TR 2007 77 4
Closed



T 250 OE HD TR 2007 77 6
Closed



T 350 OE HD TR 2007 77 8
Closed



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



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



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

T series
With strain
relief entries



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 5
Fastening element for T 60 and
T 100 on a cable tray

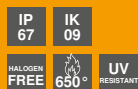


BE GR KR 2007 83 3
Fastening element for T 60 and
T 100 on a mesh cable tray

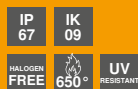


T-S MST 2007 83 1
Fastening pin

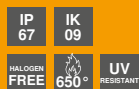
X series
Junction box
Light grey



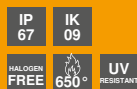
X series
Junction box
Light grey
Transparent



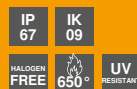
X series
Junction box
Graphite black



X series
Junction box
Graphite black
Red



X series
Junction box
With terminal strip



X 01

95 x 95 x 60 mm



X 01 LGR 2005 00 0
Light grey



X 01 LGR-TR 2005 05 0
Light grey, transparent



X 01 SW 2005 11 0
Graphite black



X 01 SW-RO 2005 14 0
Graphite black, red



X 01 T LGR 2005 19 0
With 5-pole terminal strip

X 02

95 x 95 x 72 mm



X 02 LGR 2005 00 4
Light grey



X 02 LGR-TR 2005 05 4
Light grey, transparent



X 02 SW 2005 11 4
Graphite black



X 02 SW-RO 2005 14 4
Graphite black, red



X 02 T LGR 2005 19 4
With 5-pole terminal strip

X 04

114 x 114 x 78 mm



X 04 LGR 2005 00 8
Light grey



X 04 LGR-TR 2005 05 8
Light grey, transparent



X 04 SW 2005 11 8
Graphite black



X 04 SW-RO 2005 14 8
Graphite black, red



X 04 T LGR 2005 19 8
With 5-pole terminal strip

X 06

190 x 150 x 125 mm



X 06 LGR 2005 01 2
Light grey



X 06 LGR-TR 2005 06 2
Light grey, transparent



X 06 SW 2005 12 2
Graphite black



X 06 SW-RO 2005 15 2
Graphite black, red



X 06 T LGR 2005 20 2
With 5-pole terminal strip

X 10

240 x 191 x 125 mm



X 10 LGR 2005 01 6
Light grey



X 10 LGR-TR 2005 06 6
Light grey, transparent



X 10 SW 2005 12 6
Graphite black



X 10 SW-RO 2005 15 6
Graphite black, red



X 10 T LGR 2005 20 6
With 5 terminal strips with 4 terminals each

X 16

286 x 202 x 126 mm



X 16 LGR 2005 02 0
Light grey



X 16 LGR-TR 2005 07 0
Light grey, transparent



X 16 SW 2005 13 0
Graphite black



X 16 SW-RO 2005 16 0
Graphite black, red



X 16 T LGR 2005 21 0
With 5 terminal strips with 4 terminals each

X 25

286 x 202 x 126 mm



X 25 LGR 2005 02 4
Light grey



X 25 LGR-TR 2005 07 4
Light grey, transparent



X 25 SW 2005 13 4
Graphite black



X 25 SW-RO 2005 16 4
Graphite black, red



X 25 T LGR 2005 21 4
With 5 terminal strips with 4 terminals each

Accessories



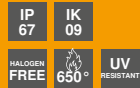
HLAK 4-8x 16 2009 03 2
Main terminal block,
4-pole



HLAK 5-10x 16 2009 03 6
Main terminal block,
5-pole

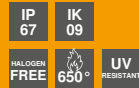
X series

Junction box
+ Terminal strip
+ Cable glands
+ Locknuts



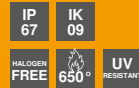
X series

Junction box
+ Cable glands
+ Locknuts



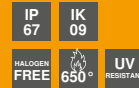
X series

Junction box
+ Universal screwless contacts
+ Cable glands
+ Locknuts



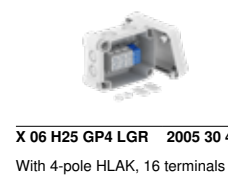
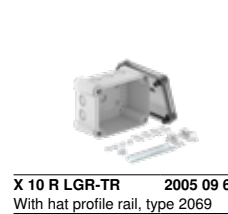
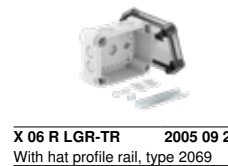
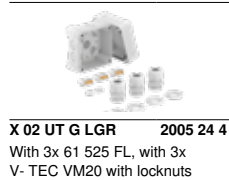
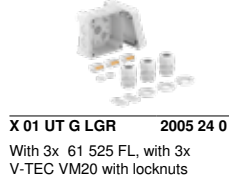
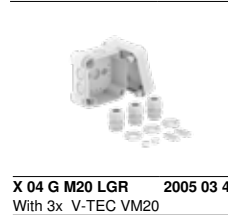
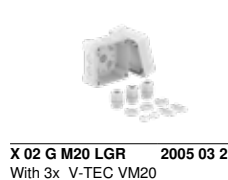
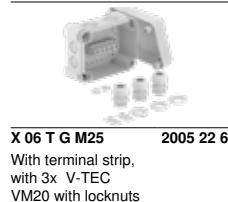
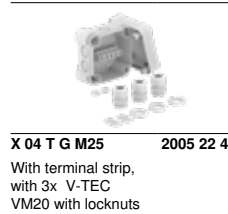
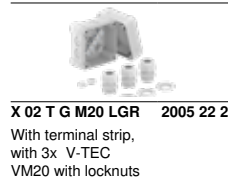
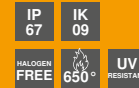
X series

Junction box
+ Transparent cover
+ Hat profile rail



X series

Junction box
+ Main terminal block



Accessories

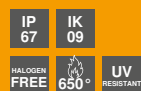


HLAK 5-10x 25 2009 03 8
Main terminal block,
5-pole

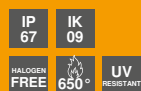


HLAK 1-2x 35
GR 2009 04 2
GRGN 2009 04 4
GRBL 2009 04 6
Main terminal block,
1-pole

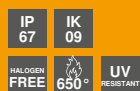
X series
Empty housing
Light grey



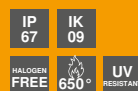
X series
Empty housing
Light grey
Transparent



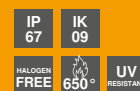
X series
Empty housing
Graphite black



X series
Empty housing
+ Hat profile rail



X series
Empty housing
+ Transparent cover
+ Hat profile rail



X 01

95 x 95 x 60 mm



X 01C LGR 2005 45 0



X 01C LGR-TR 2005 52 0



X 01C SW 2005 59 0

X 02

95 x 95 x 72 mm



X 02C LGR 2005 45 4



X 02C LGR-TR 2005 52 4



X 02C SW 2005 59 4

X 04

114 x 114 x 78 mm



X 04C LGR 2005 45 8



X 04C LGR-TR 2005 52 8



X 04C SW 2005 59 8

X 06

190 x 150 x 125 mm



X 06C LGR 2005 46 2



X 06C LGR-TR 2005 53 2



X 06C SW 2005 60 2



X 06C R LGR 2005 49 0
With hat profile rail, type 2069



X 06C R LGR-TR 2005 56 0
With hat profile rail, type 2069

X 10

240 x 191 x 125 mm



X 10C LGR 2005 46 6



X 10C LGR-TR 2005 53 6



X 10C SW 2005 60 6



X 10C R LGR 2005 49 4
With hat profile rail, type 2069



X 10C R LGR-TR 2005 56 4
With hat profile rail, type 2069

X 16

286 x 202 x 126 mm



X 16C LGR 2005 47 0



X 16C LGR-TR 2005 54 0



X 16C SW 2005 61 0



X 16C R LGR 2005 49 8
With hat profile rail, type 2069



X 16C R LGR-TR 2005 56 8
With hat profile rail, type 2069

X 25

286 x 202 x 126 mm



X 25C LGR 2005 47 4



X 25C LGR-TR 2005 54 4



X 25C SW 2005 61 4



X 25C R LGR 2005 50 2
With hat profile rail, type 2069



X 25C R LGR-TR 2005 57 2
With hat profile rail, type 2069

Universal accessories for all junction boxes



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



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



MP WI KL. FS **7084 76 5**
Strip galvanised, FS
MP WI KL. 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

T series

For plug contacts



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



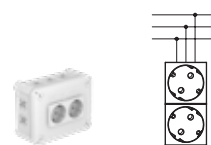
With openings for the mounting of plug contacts (Wieland/Wago)
T 100 WB3-10 2007 80 8



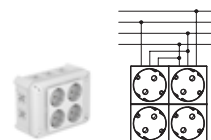
Wieland socket
T 100 WB5 2007 84 0

T series

Pre-terminated
Modul 45 variants



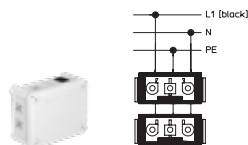
2 Modul 45 sockets in cover, single-pole
T 100 2MSD WS 2007 82 1
2 sockets, 33° white



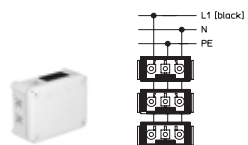
4 Modul 45 sockets in cover, two-pole
T 100 4MSD WS 2007 82 5
4 sockets, 33° white

T series

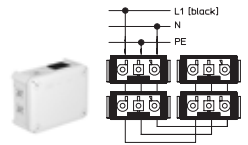
Single-phase,
pre-terminated for
plug contacts



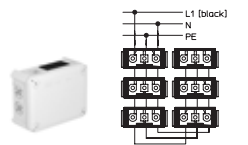
Three-pole Wieland socket, single-phase
T 100 WB 2S3 2007 80 9
Wieland socket 2 s



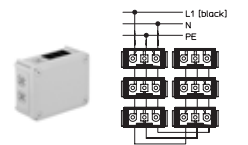
Three-pole Wieland socket, single-phase
T 100 WB 2S3 2007 81 3
Wieland socket 3 s



Three-pole Wieland socket, single-phase
T 100 WB 4S3 2007 81 1
Wieland socket 4 s



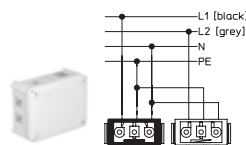
Three-pole Wieland socket, single-phase
T 100 WB 6S3 2007 82 2
Wieland socket 6 s



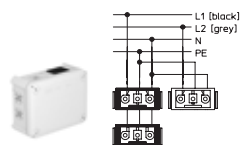
Three-pole WAGO socket, single-phase
T 100 WWB 6SW 2007790
150 x 116 x 67

T series

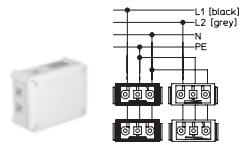
Two-phase,
pre-terminated for
plug contacts



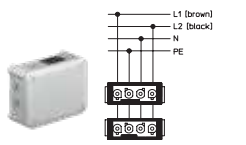
Three-pole Wieland socket, two-phase
T 100 WB 1W3 1S3 2007 81 5
W socket 1w + 1s



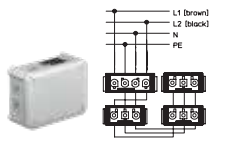
Three-pole Wieland socket, two-phase
T 100 WB 1W3 2S3 2007 81 7
W socket 1w + 2s



Three-pole Wieland socket, two-phase
T 100 WB 2W3 2S3 2007 81 9
W socket 2w + 2s



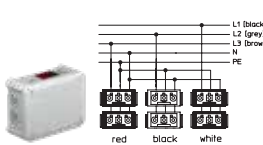
Four-pole Wieland socket, two-phase
T 100 WB 2s4 2007 84 8
W socket 2s



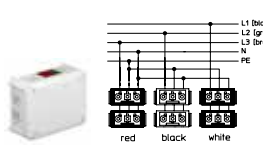
Four-pole Wieland socket, two-phase
T 100 WB 3S3 1S4 2007 84 4
W socket 3s + 1s

T series

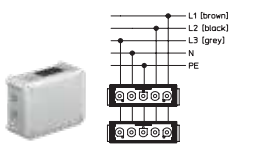
Three-phase,
pre-terminated for
plug contacts



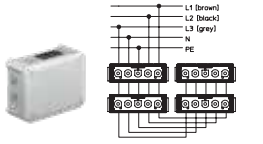
Three-pole WAGO socket, three-phase
T 100 WWB 2007792
W socket 3x 2 (sw; sw; rt)



Three-pole Wieland socket, three-phase
T 100 WB 6S 2007 81 4
W socket 6s3p 2x 2



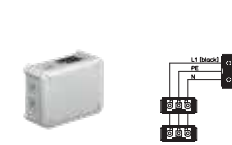
Five-pole Wieland socket, three-phase
T 100 WB 2s5 2007 85 2
W socket 2s



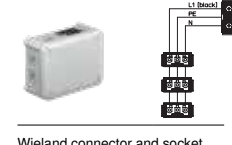
Five-pole Wieland socket, three-phase
T 100 WB 4s5 2007 85 6
W socket 4s

T series

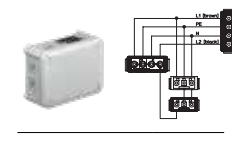
Pre-terminated
connectors and
sockets



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

E30 E60 E90 HALOGEN
FREE

FireBox

Ex ternal fastening
with plug-in seals

E30 E60 E90 HALOGEN
FREE

FireBox

For data technology
with plug-in seals

E30 E60 E90 HALOGEN
FREE

FireBox

Closed internal
fastening

E30 E60 E90 HALOGEN
FREE

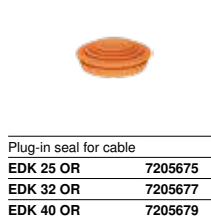
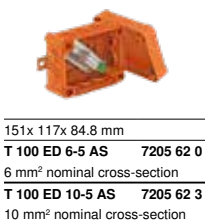
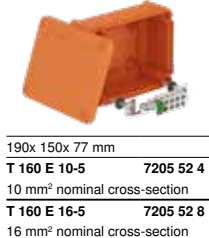
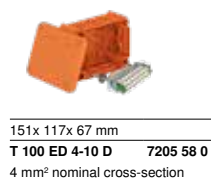
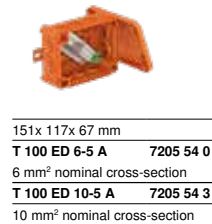
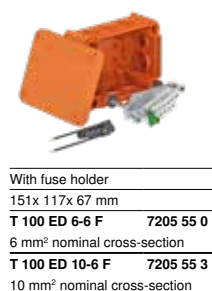
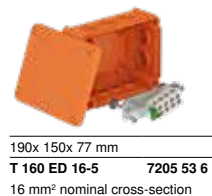
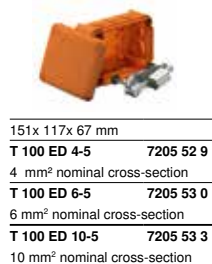
FireBox

Ex ternal fastening
with impact-
resistant cover

E30 E60 E90 HALOGEN
FREE

FireBox

Accessories



MP T610 7205 48 0
 Mounting plate for fastening on
cable trays and ladders of 60 mm
side height



MP T616 7205 48 4
 Mounting plate for T160 for
fastening on cable trays and
ladders of 60 mm side height



KS-E DE 7205 42 3
 Identification plate, German

KS-E EN 7205 43 2
 Identification plate, English

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Building Connections

