

Cable junction boxes.

For quick and safe installation on plaster
and on cable support systems.



IP55 cable junction box



Protection class IP55 cable junction boxes with external fixing and self-sealing cable entries. Suitable for simple and quick surface-mounted installation for wiring circuits, such as lighting, connection of electrical devices, etc. The cover can be captively fastened to the 4 corners of the box during installation.

- Protection class IP55
- Available in 4 colours

IP55 cable junction box - pure white

- IP55
- Rated cross-section 2.5 mm²
- Working temperature: -30°C to +70°C
- Halogen-free



Length x Width x Depth	89 x 42 x 37 mm	75 x 75 x 37 mm	85 x 85 x 37 mm	100 x 100 x 42 mm
Max. conductor cross section	2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²
Entries	4 x 12 mm + 6 x 20 mm	7 x 20 mm	12 x 20 mm	12 x 20 mm
Base conduit entry	1 x 16 mm + 1 x 20 mm	2 x 16 mm + 2 x 20 mm	2 x 16 mm + 2 x 20 mm	2 x 16 mm + 2 x 20 mm
Sealing area for the entries	8,2 - 12,5 mm	8,2 - 12,5 mm	8,2 - 12,5 mm	8,2 - 12,5 mm
Material	PP/PE	PP/PE	PP/PE	PP/PE
Sealing area for the entries	650 °C	650 °C	650 °C	650 °C
Rated voltage	400 V	400 V	400 V	400 V
minimal operation temperature	- 30 °C	- 30 °C	- 30 °C	- 30 °C
Maximum operation temperature	+ 70 °C	+ 70 °C	+ 70 °C	+ 70 °C
Halogen-free	Yes	Yes	Yes	Yes
Colour	pure white - RAL 9010	pure white - RAL 9010	pure white - RAL 9010	pure white - RAL 9010
Protection class	IP55	IP55	IP55	IP55
	Yes	Yes	Yes	Yes
Art.-No.	25061	25261	25461	25661
Inner packaging/shipping	10 / 100	10 / 100	10 / 100	10 / 100

IP55 cable junction box - ight grey

- IP55
- Rated cross-section 2.5 mm2
- Working temperature: -30°C to +70°C
- Halogen-free



Length x Width x Depth	89 x 42 x 37 mm	75 x 75 x 37 mm	85 x 85 x 37 mm	100 x 100 x 42 mm
Max. conductor cross section	2,5 mm²	2,5 mm²	2,5 mm²	2,5 mm²
Entries	4 x 12 mm + 6 x 20 mm	7 x 20 mm	12 x 20 mm	12 x 20 mm
Base conduit entry	1 x 16 mm + 1 x 20 mm	2 x 16 mm + 2 x 20 mm	2 x 16 mm + 2 x 20 mm	2 x 16 mm + 2 x 20 mm
Sealing area for the entries	8,2 - 12,5 mm	8,2 - 12,5 mm	8,2 - 12,5 mm	8,2 - 12,5 mm
Material	PP/PE	PP/PE	PP/PE	PP/PE
Sealing area for the entries	650 °C	650 °C	650 °C	650 °C
Rated voltage	400 V	400 V	400 V	400 V
minimal operation temperature	- 30 °C	- 30 °C	- 30 °C	- 30 °C
Maximum operation temperature	+ 70 °C	+ 70 °C	+ 70 °C	+ 70 °C
Halogen-free	Yes	Yes	Yes	Yes
Colour	Light grey - RAL 7035	Light grey - RAL 7035	Light grey - RAL 7035	Light grey - RAL 7035
Protection class	IP55	IP55	IP55	IP55
Impact resistance	IK	IK	IK	IK
	Yes	Yes	Yes	Yes
Art.-No.	250	252	254	256
Inner packaging/shipping	10 / 100	10 / 100	10 / 100	10 / 100

IP55 cable junction box – light grey

- IP55
- Rated cross-section 4 mm²
- Working temperature: -30°C to +70°C
- Halogen-free



Length x Width x Depth	130 x 85 x 42 mm
Max. conductor cross section	4 mm²
Entries	16 x 20 mm
Base conduit entry	2 x 16 + 2 x 20 mm
Sealing area for the entries	8,2 -16,0 mm
Material	PP/PP LDPE
Sealing area for the entries	650 °C
Rated voltage	400 V
minimal operation temperature	- 30 °C
Maximum operation temperature	+ 70 °C
Halogen-free	Yes
Colour	Light grey - RAL 7035
Protection class	IP55
Impact resistance	IK
	Yes
Art.-No.	200
Inner packaging/shipping	5 / 50

IP55 cable junction
box - black

- IP55
- Rated cross-section 2.5 mm2
- Working temperature: -30°C to +70°C
- Halogen-free



Length x Width x Depth	89 x 42 x 37 mm	75 x 75 x 37 mm	85 x 85 x 37 mm	100 x 100 x 42 mm
Max. conductor cross section	2,5 mm²	2,5 mm²	2,5 mm²	2,5 mm²
Entries	4 x 12 mm + 6 x 20 mm	7 x 20 mm	12 x 20 mm	12 x 20 mm
Base conduit entry	1 x 16 mm + 1 x 20 mm	2 x 16 mm + 2 x 20 mm	2 x 16 mm + 2 x 20 mm	2 x 16 mm + 2 x 20 mm
Sealing area for the entries	8,2 - 12,5 mm	8,2 - 12,5 mm	8,2 - 12,5 mm	8,2 - 12,5 mm
Material	PP/PE	PP/PE	PP/PE	PP/PE
Sealing area for the entries	650 °C	650 °C	650 °C	650 °C
Rated voltage	400 V	400 V	400 V	400 V
minimal operation temperature	- 30 °C	- 30 °C	- 30 °C	- 30 °C
Maximum operation temperature	+ 70 °C	+ 70 °C	+ 70 °C	+ 70 °C
Halogen-free	Yes	Yes	Yes	Yes
Colour	black - RAL 9005	black - RAL 9005	black - RAL 9005	black - RAL 9005
Protection class	IP55	IP55	IP55	IP55
Impact resistance	IK	IK	IK	IK
	Yes	Yes	Yes	Yes
Art.-No.	25066	25266	25466	25666
Inner packaging/shipping	10 / 100	10 / 100	10 / 100	10 / 100

IP55 cable junction box - red

- IP55
- Rated cross-section 2.5 mm2
- Working temperature: -30°C to +70°C
- Halogen-free



Length x Width x Depth	85 x 85 x 37 mm
Max. conductor cross section	2,5 mm²
Entries	12 x 20 mm
Base conduit entry	2 x 16 mm + 2 x 20 mm
Sealing area for the entries	8,2 - 12,5 mm
Material	PP/PE
Sealing area for the entries	650 °C
Rated voltage	400 V
minimal operation temperature	- 30 °C
Maximum operation temperature	+ 70 °C
Halogen-free	Yes
Colour	Red - RAL 3028
Protection class	IP55
Impact resistance	IK
	Yes
Art.-No.	2546
Inner packaging/shipping	10 / 100

Opening cutter

- defined openings are made for cable entries for all IP55 surface-mounted cable junction boxes



Art.-No.	259
Inner packaging/shipping	- / 10

AK IP65 cable junction box

Protection class IP65 cable junction boxes with internal mounting. Simple mounting with an integrated thread for cable glands. The lid can be snapped onto the housing without tools.

- Protection class IP65
- With a tool-free break-out opening in the internal thread for the cable gland – the housing opens when the cable gland is screwed in
- Variant with break-out multi-insertion for M20 or M25
- Colour RAL 7035, light grey
- Glow wire test according to EN IEC 60695-2-11
- Robust design



Junction box AK1-IP65 and AK2-IP65

- Increased protection class
- For cable glands with locknuts, optionally M20 or M25
- Suitable for mounting on cable support systems by means of separate accessories



Length x Width x Depth	95 x 95 x 45 mm	120 x 95 x 45 mm
Max. conductor cross section	6 mm²	6 mm²
minimal operation temperature	-40 °C	-40 °C
Maximum operation temperature	+70 °C	+70 °C
Number of break-out openings	8	8
Combi entry opening	M20/M25	M20/M25
Accessory lock nut	M20 (Art. No. 8255.20); M25 (Art. No. 8255.25)	M20 (Art. No. 8255.20); M25 (Art. No. 8255.25)
Protection class	IP65	IP65
Rated voltage	690 V	690 V
Cover attachment	Snap on	Snap on
Colour	light grey	light grey
Halogen-free	Yes	Yes
Accessory cable gland	M20 (Art. No. 1555.20.13); M25 (Art. No. 1555.25.17)	M20 (Art. No. 1555.20.13); M25 (Art. No. 1555.25.17)
	Yes	Yes
Art.-No.	AT2502	AT2562
Inner packaging/shipping	- / 100	- / 100

Junction box AK1-IP65

- Increased protection class
- Optionally with or without cable glands
- Suitable for mounting on cable support systems by means of separate accessories



Length x Width x Depth	95 x 95 x 45 mm	95 x 95 x 45 mm	95 x 95 x 45 mm	95 x 95 x 45 mm
Max. conductor cross section	6 mm ²	6 mm ²	6 mm ²	6 mm ²
minimal operation temperature	-40 °C	-40 °C	-40 °C	-40 °C
Maximum operation temperature	+70 °C	+70 °C	+70 °C	+70 °C
Metric thread connection	M20	M20	M25	M25
Number of break-out openings	8	8	8	8
Protection class	IP65	IP65	IP65	IP65
Rated voltage	690 V	690 V	690 V	690 V
Cover attachment	Snap on	Snap on	Snap on	Snap on
Colour	light grey	light grey	light grey	light grey
Halogen-free	Yes	Yes	Yes	Yes
Cable glands	-	3	-	3
Clamping range	-	7-13 mm	-	10-17 mm
Accessory cable gland	M20 (Art. No. 1555.20.13)	M20 (Art. No. 1555.20.13)	M25 (Art. No. 1555.25.17)	M25 (Art. No. 1555.25.17)
	Yes	Yes	Yes	Yes
Art.-No.	AT2281	AT2280	AT2518	AT2500
Inner packaging/shipping	- / 100	- / 100	- / 100	- / 100

Junction box AK2-IP65 M20

- Increased protection class
- Optionally with or without cable glands
- Suitable for mounting on cable support systems by means of separate accessories



Length x Width x Depth	120 x 95 x 45 mm	120 x 95 x 45 mm
Max. conductor cross section	6 mm ²	6 mm ²
minimal operation temperature	-40 °C	-40 °C
Maximum operation temperature	+70 °C	+70 °C
Metric thread connection	M20	M20
Number of break-out openings	8	8
Cable glands	-	3
Clamping range	-	7-13 mm
Protection class	IP65	IP65
Rated voltage	690 V	690 V
Cover attachment	Snap on	Snap on
Colour	light grey	light grey
Halogen-free	Yes	Yes
Cable glands	-	3
Accessory cable gland	M20 (Art. No. 1555.20.13)	M20 (Art. No. 1555.20.13)
	Yes	Yes
Art.-No.	AT22592	AT2290
Inner packaging/shipping	- / 100	- / 100

Junction box base AK2-IP65 M20

- Increased protection class
- Matching AK2 front part can be ordered separately
- Suitable for mounting on cable support systems by means of separate accessories



Length x Width x Depth	120 x 95 x 45 mm
Max. conductor cross section	6 mm²
minimal operation temperature	-40 °C
Maximum operation temperature	+70 °C
Metric thread connection	M20
Number of break-out openings	8
Protection class	IP65
Rated voltage	690 V
Cover attachment	Snap on
Colour	light grey
Halogen-free	Yes
Cable glands	-
Accessory cable gland	M20 (Art. No. 1555.20.13)
	Yes
Art.-No.	AT2292
Inner packaging/shipping	- / 50

Front part AK2, SCHUKO® double socket IP54

- Increased protection class
- Sockets with hinged covers
- Prefabricated with halogen-free connection wires 2.5 mm²



Length x Width x Depth	125 x 100 x 58 mm
Poles Connection	3 pole
Number of SCHUKO® sockets L1	2 x
Pre-wiring	2,5 mm²
Protection class	IP54
Mounting type	Snap on
Colour	light grey
Halogen-free	Yes
	Yes
Art.-No.	AT2234
Inner packaging/shipping	- / 42

Mounting accessories for the AK2 box

- Suitable for cable support systems from well-known manufacturers



Length x Width	78 x 30 mm	93 x 93 mm	180 x 180 mm	150 x 125 mm
Installation on	cable tray	mesh cable tray	cable tray	cable ladder
Mounting type	Hole grid	clamped attachment	clamped attachment	clamped attachment
for article	AK1/AK2	AK1/AK2	AK1/AK2	AK1/AK2
Halogen-free	Yes	Yes	Yes	Yes
Colour	lightgrey	lightgrey	lightgrey	lightgrey
Art.-No.	AT2215	AT2228	AT2244	AT2225
Inner packaging/shipping	- / 25	- / 30	- / 8	- / 80



IP68BOX Outdoor Installation Set

Unpack, install, ready: complete cast resin package, fast initial operation. Watertight, unprotected outdoor installation. Including 2-component PUR cast resin in a mixing bag. When creating unprotected outdoor installations, it is important to manufacture a reliable and secure connection which will last for many years. For example, vibrations in the ground caused by traffic shouldn't affect the connection, which is designed for long -term operation – and this can be guaranteed with cast resin. Time-saving, too, because after the backfilling process, the IP68BOX can be buried and energised.

- Junction box IP65 (filled with the casting compound IP68)
- 2-component PUR cast resin in a mixing bag
- 3 M25 cable glands, clamping range Ø 11-17 mm
- Processing temperature: 0 to +35°C
- Operating temperature: - 40° to + 70°C



Examples of use



For watertight, unprotected outdoor installation.



For outdoor areas.

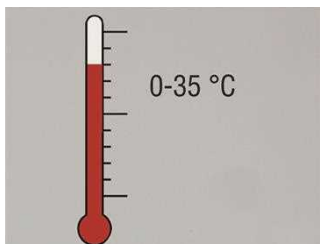


For lights.



For pond biospheres.

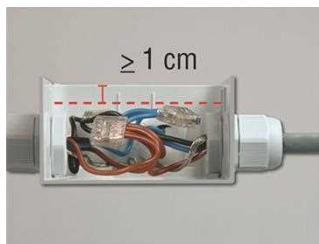
Installation



Processing temperature: 0° to +35°C.



Cable gland M25 Clamping area Ø 11 - 17 mm. Use casting compound only in a dry cable junction box.



Many options for cable entry. 8 entries / exits from 4 directions M20/M25, max. conductor cross-section 6 mm².



Important: Use under water is only possible if the article was installed in accordance with the instructions and the casting compound has hardened for more than one hour.

IP68BOX Outdoor Installation Set

- Junction box IP65 (filled with the casting compound IP68)
- 2-component PUR cast resin in a mixing bag
- Max. conductor cross-section 6 mm²
- Nominal insulation voltage Ui: 690 V
- Connection terminals for flexible earth leads
- Sealing cap for ventilation
- Protective gloves
- mixed and solid cast resin can be disposed of in household waste



Length x Width x Depth	95 x 95 x 55 mm
Entries M20 / M25	8
Cable gland M25	3
Protection class	IP 65/ IP 68
Halogen-free	Yes
Art.-No.	2521
Inner packaging/shipping	- / 10



Systems and solutions for professional electrical installation work.

KAISER has been developing and producing systems and products as the basis for professional installation work since 1904. Planners and fitters all over the world use our practice-oriented solutions for their daily work in all installation areas.



Energy efficiency.

Innovative KAISER products help you to ensure compliance with the requirements of EU Directives and national regulations, such as the Energy Savings Regulations (EnEV).



Radiation protection.

The use of the new radiation protection boxes allows the radiation protection of the wall to be maintained without additional shielding measures.



Fire protection.

KAISER fire-protection systems provide reliable solutions for electrical installations in fire-protection walls and ceilings.



Construction.

KAISER has matching product system solutions for safe, durable and practical use in redevelopment, renovation and modernisation projects.



Sound insulation.

KAISER's innovative sound insulation boxes ensure compliance with the construction requirements for sound insulation walls, also for built-in installations.



Concrete construction.

Complete systems for on-site mixed concrete and precast concrete. Fully optimised to professional electrical installation work.

Technical information and advice

All further information on products, system solutions and communication media can be found on our website:
www.kaiser-elektro.de

For any additional questions or information, please do not hesitate to contact our technical support team who will be happy to assist you: **+49(0)23 55/809-61 · technik@kaiser-elektro.de**

KAISER GmbH & Co. KG

Ramsloh 4 · 58579 Schalksmuehle
GERMANY
Phone. +49 (0)23 55/8090 · Fax +49 (0)23 55/80921
www.kaiser-elektro.de · info@kaiser-elektro.de

