



Trench Heating
Katherm QK nano

Tested
acc. to:
BS EN 16430

Plenty of space for new ideas

The Katherm QK nano feels especially at home when space is at a premium. Its compact trench dimensions enable maximum interior space to be utilised. Ideal for large office complexes.

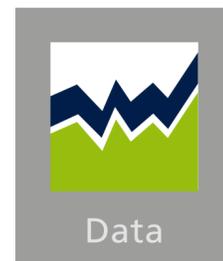


So small, yet so much comfort

In spite of having a trench height of only 70 mm and a trench width of only 165 mm, the **Katherm QK nano** offers a wide range of accessories. That make it wonderfully comfortable.

Creates an ideal indoor climate

The flow-optimised air guidance, with a façade-side air outlet, ensures maximum comfort in the room. With guaranteed output measured according to EN 16430.

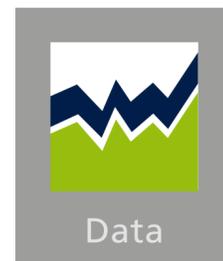


It's your choice

Whether for new build or refurbishments. The interplay of quietly operating EC tangential fan and high-output copper/aluminium coil delivers an optimum indoor climate with high heat output and low sound impact.

A harmonious unit

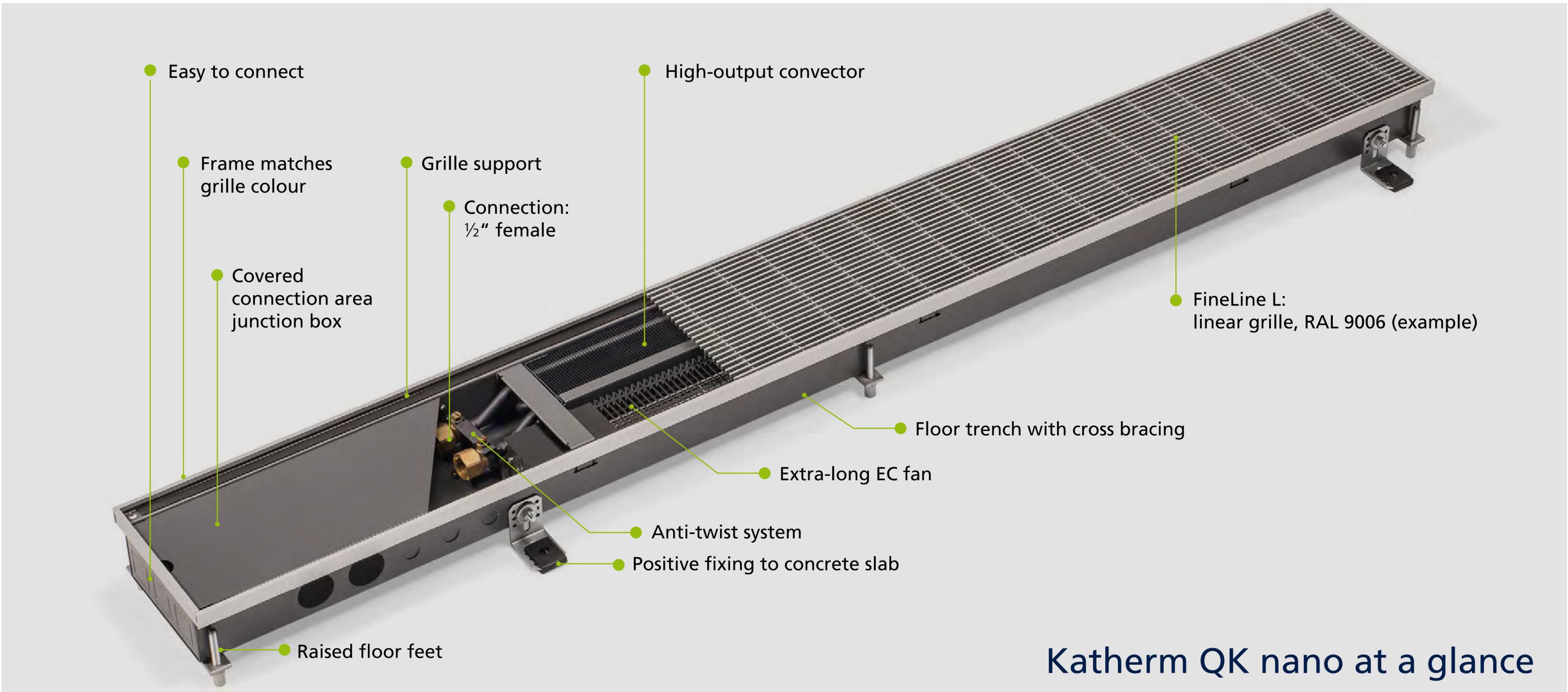
Flat, delicate, restrained! The FineLine grille was developed specifically for the **Katherm QK nano** and creates a harmonious appearance that blends perfectly with every interior architectural style.



Beautifully framed

The matching frame trim for every FineLine grill – not a problem with the **Katherm QK nano**. The icing on the cake for a perfect look.





● Easy to connect

● High-output convector

● Frame matches grille colour

● Grille support

● Connection: 1/2" female

● FineLine L: linear grille, RAL 9006 (example)

● Covered connection area junction box

● Floor trench with cross bracing

● Extra-long EC fan

● Anti-twist system

● Positive fixing to concrete slab

● Raised floor feet

Katherm QK nano at a glance



Advantages



Overview



Details



Data



Contact



Connection area

- ▶ for valves and electrical components
- ▶ with cover for visual protection and to protect against dirt



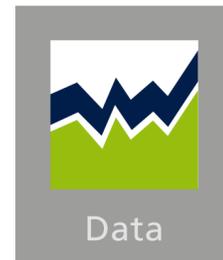
Advantages



Overview



Details



Data

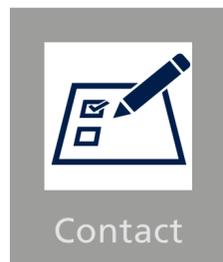
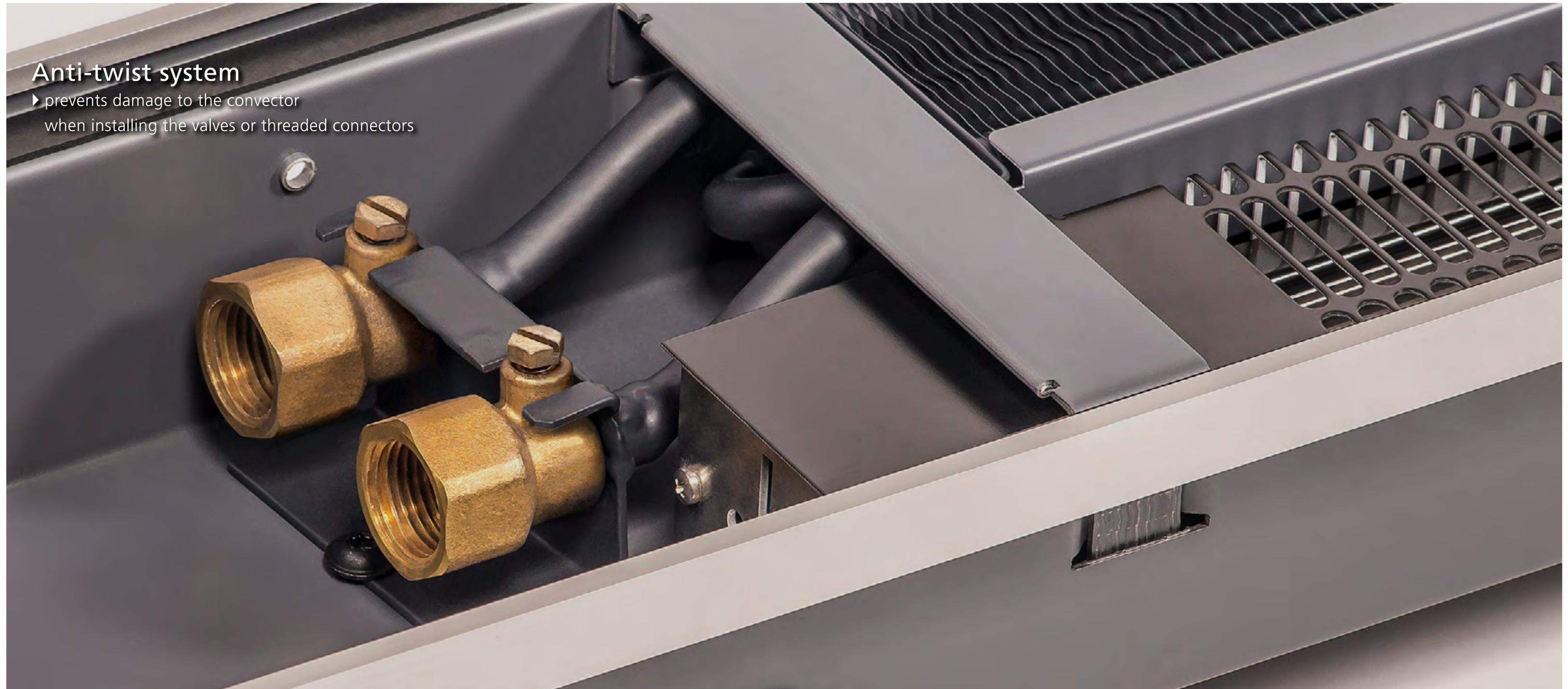


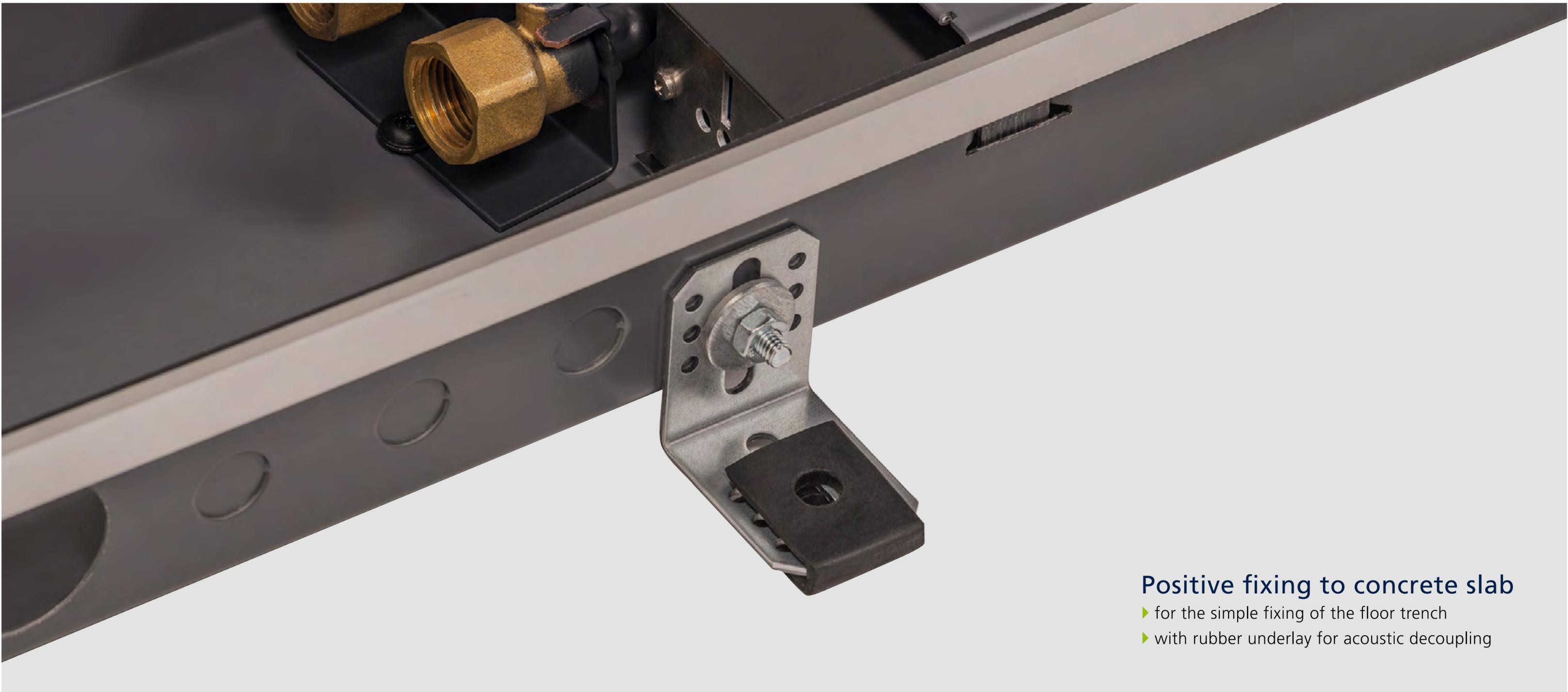
Contact

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Anti-twist system

- ▶ prevents damage to the convector when installing the valves or threaded connectors





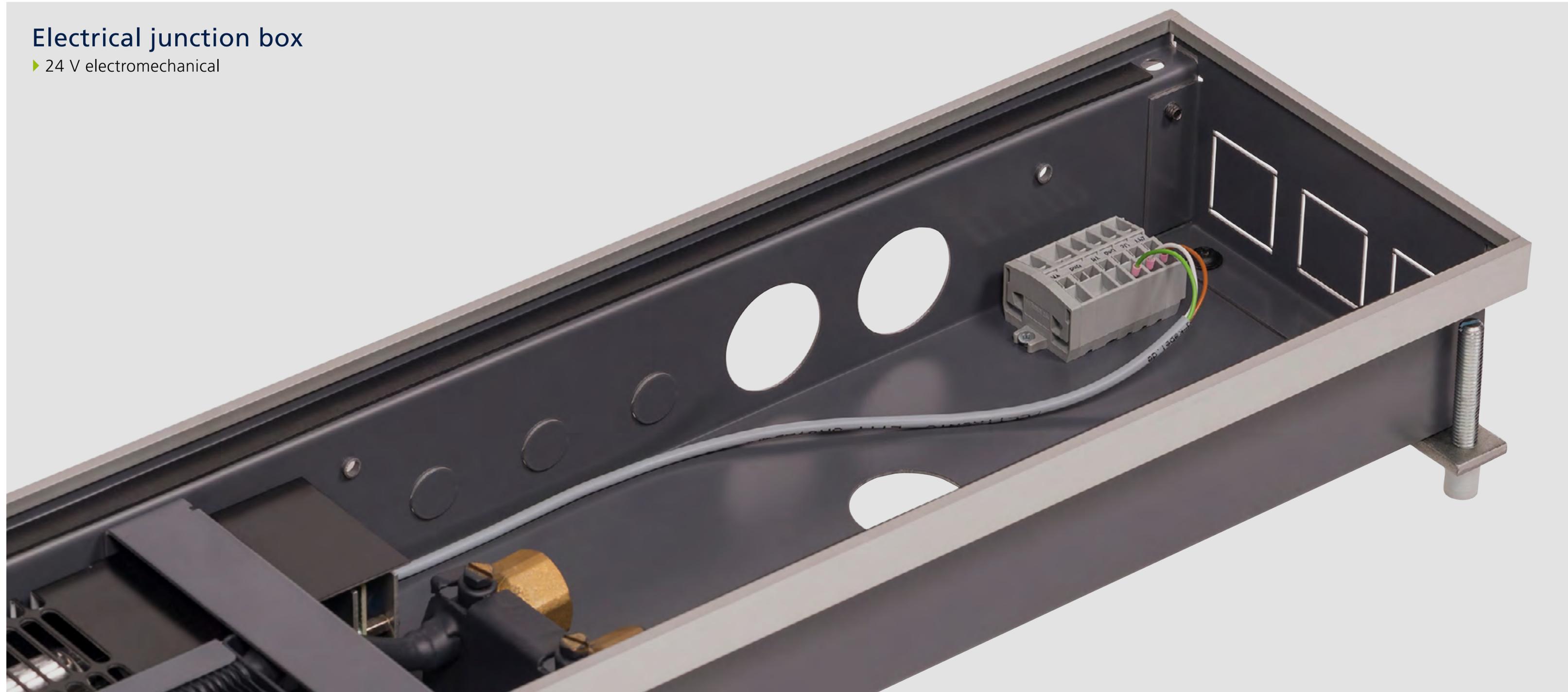
Positive fixing to concrete slab

- ▶ for the simple fixing of the floor trench
- ▶ with rubber underlay for acoustic decoupling



Electrical junction box

► 24 V electromechanical



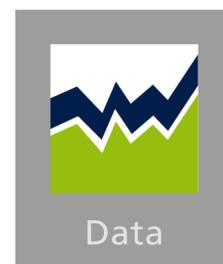
Advantages



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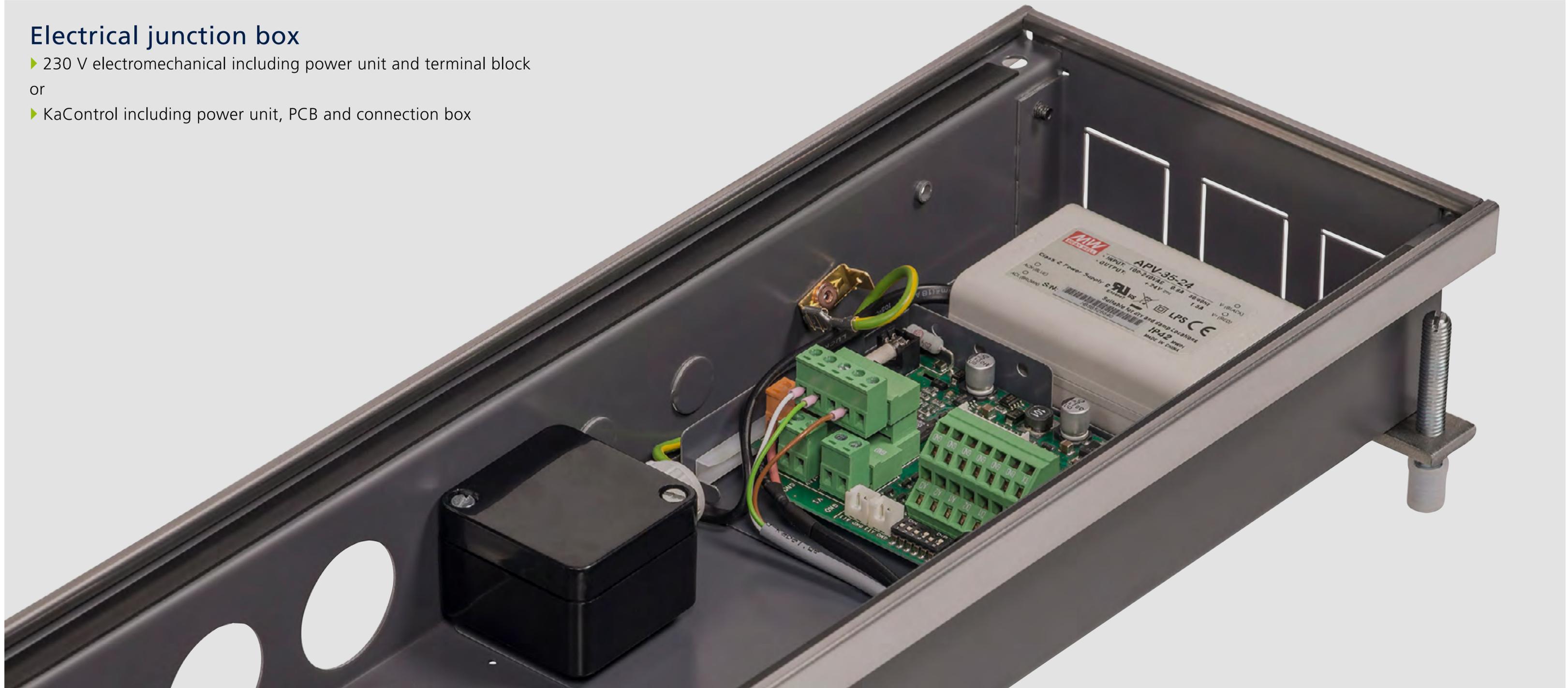


Contact

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Electrical junction box

- ▶ 230 V electromechanical including power unit and terminal block
- or
- ▶ KaControl including power unit, PCB and connection box



Advantages



Overview



Details

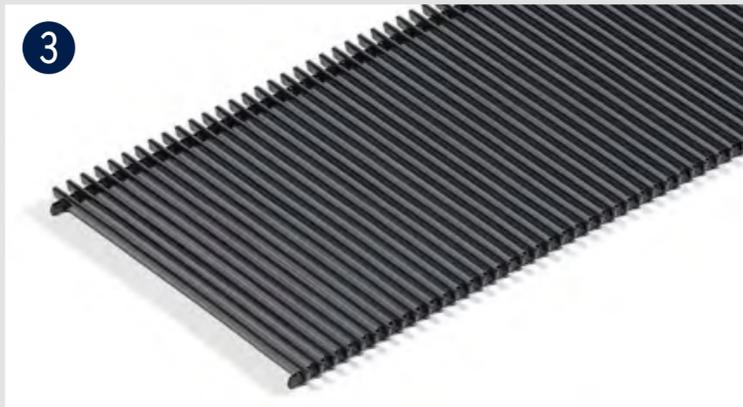
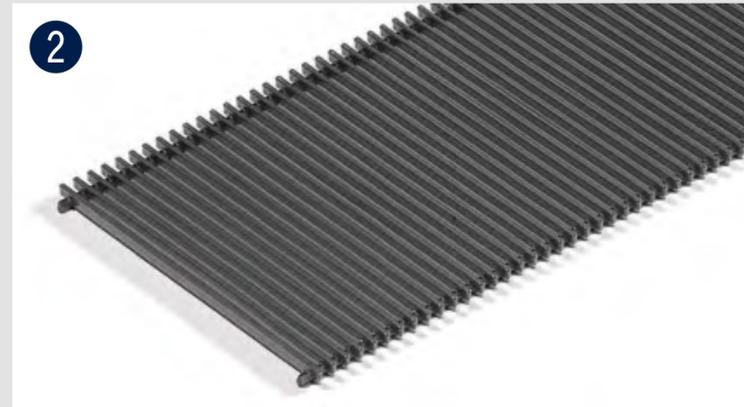
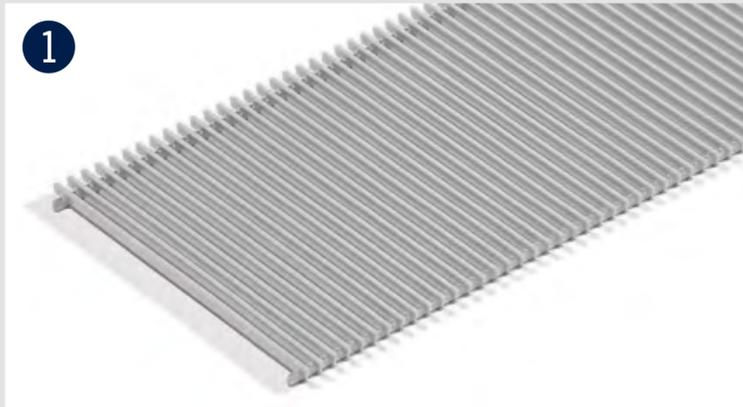


Data



Contact

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Matching grilles

- ① Steel, powder coated, RAL 9006 (white aluminium)
- ② Steel, powder coated DB 703 (basalt grey)
- ③ Steel, powder coated, RAL 9005 (black)
- ④ Steel, powder coated, RAL 9007 (grey aluminium)
- ⑤ Natural stainless steel



Advantages



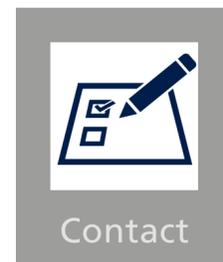
Overview



Details



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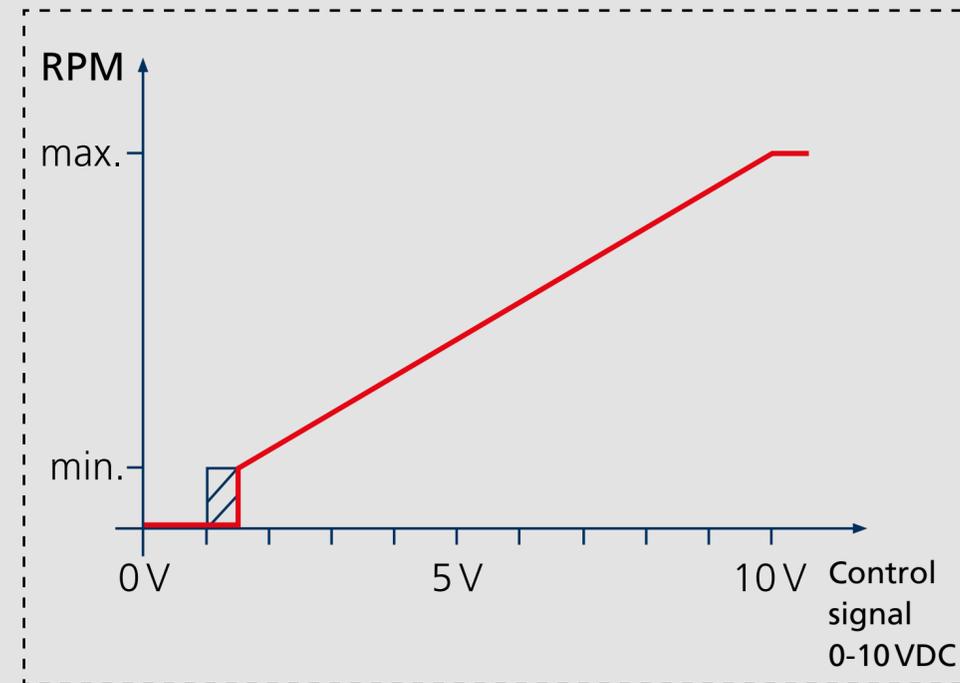
Control options



KaController (-C1)

KaControl room automation

- ▶ KaControl technology factory-integrated for setting up entire networked systems based on the KaControl
- ▶ interfaces for KNX or Modbus building automation as an optional plug-in group
- ▶ 0–10 V analogue input for control of fan and valve via a single data point
- ▶ design room control unit with intuitive user navigation
- ▶ integrated timer program



0–1.5 V = device OFF
1.5–10 V = fan speed min... 100 %

Control via BMS-system

BMS-Interface/ electromechanical (-00)

- ▶ power supply: 230V/50 Hz via factory fitted transformer
- ▶ fan speed control 0–100 % via 0–10 VDC BMS contact
- ▶ valve control, direct by BMS



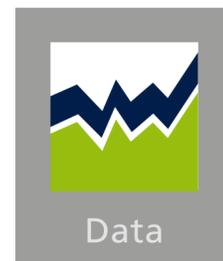
Advantages



Overview



Details



Data



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Performance data

Tested
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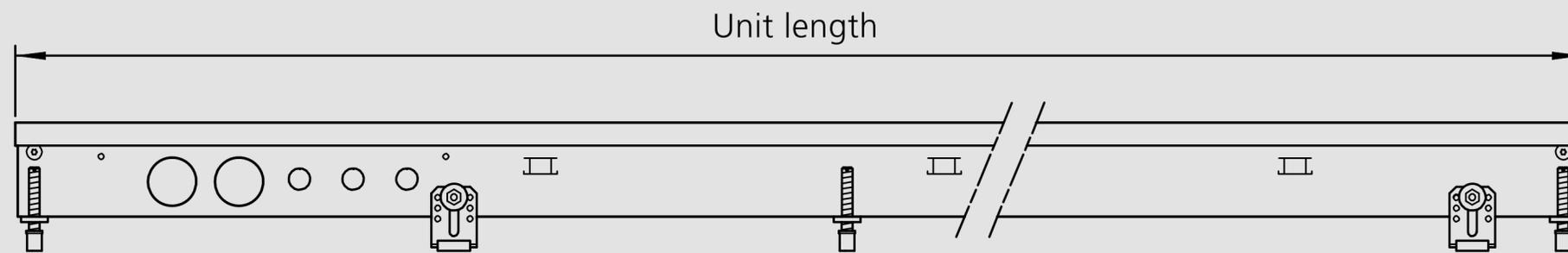
Unit length		Heat output ¹⁾					Sound pressure level ²⁾	Sound power level
24 V electromechanical model	230 V electromechanical model or KaControl	at LPHW 75/65 °C	at LPHW 55/45 °C	at LPHW 90/70 °C	at LPHW 82/71 °C	at LPHW 40/30 °C		
[mm]	[mm]	[W]	[W]	[W]	[W]	[W]	[dB(A)]	[dB(A)]
900	1100	248–772	120–461	321–928	295–874	45–229	<20–34	<28–42
1400	1600	496–1545	241–922	642–1857	590–1748	90–458	<20–37	<28–45
1800	2000	744–2317	361–1384	963–2785	885–2621	135–687	<20–39	<28–47
2100	2300	935–2912	454–1739	1211–3500	1112–3294	170–864	<20–40	<28–48
2600	2700	1132–3524	549–2105	1465–4236	1346–3987	206–1046	<20–41	<28–49

¹⁾ at RT = 20 °C

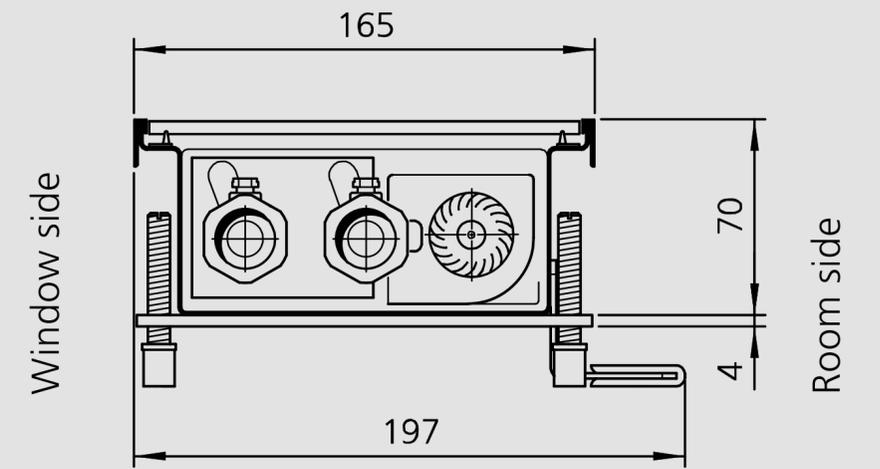
²⁾ The sound pressure levels were calculated with an assumed room insulation of 8 dB(A). This corresponds to a distance of 2 m, a room volume of 100 m³ and a reverberation time of 0.5 s.



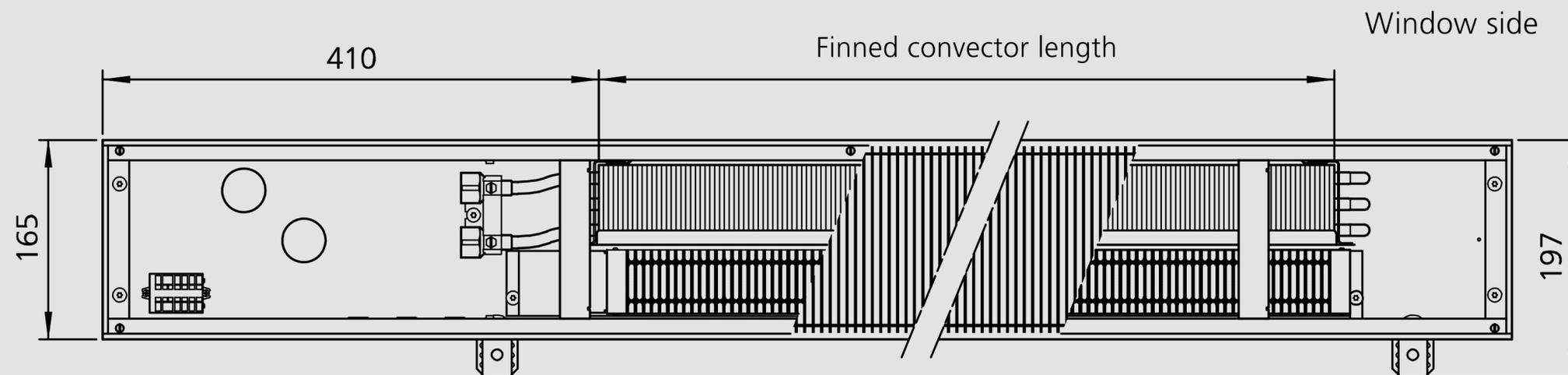
Dimensions



Front view



Cross section (enlarged) shown with transverse grille



Top view (without coverplate)

Unit length	Finned convector length
[mm]	[mm]
900	435
1400	870
1800	1305
2100	1640
2600	1985



Benefits for you!

Kampmann offers you the following service benefits:

- ▶ on-site consultation
- ▶ planning support
- ▶ site-surveys
- ▶ individual training
- ▶ After Sales Service

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