



Systems and solutions for professional electrical installation work.

KAISER has been developing and producing systems and products as the basis for good 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.

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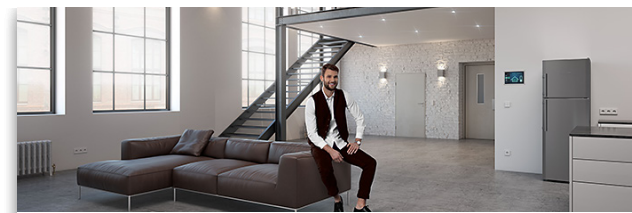
Radiation protection.

Use of the new radiation-protection one-gang 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.



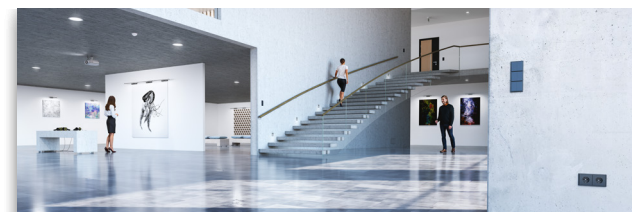
Construction.

KAISER has corresponding 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, as well as for built-in installations.

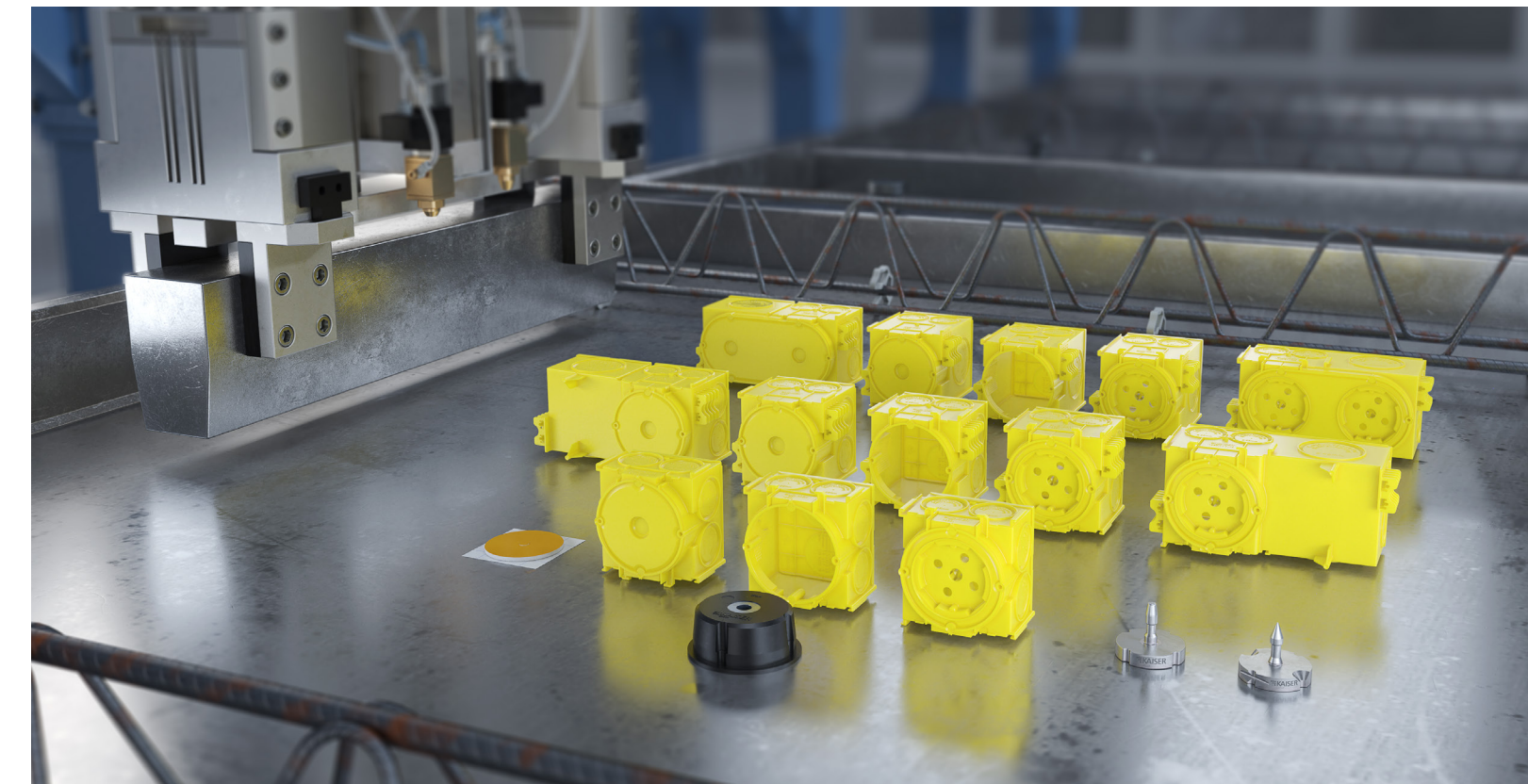


Concrete construction.

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

The new B² system – a new definition for efficiency.

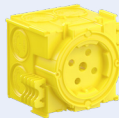
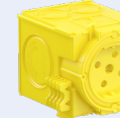
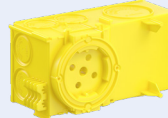
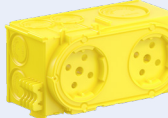
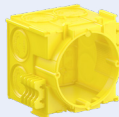
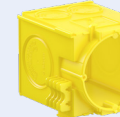
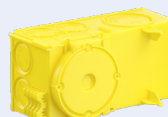
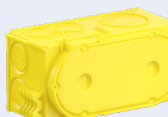
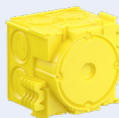
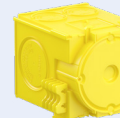
Concrete construction in precast concrete – innovative solutions for modern manufacturing processes.



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Installation in walls.

				
Ø 48,5 mm	Ø 68,5 mm	Ø 88,5 mm	Ø 68,5 mm	2x Ø 68,5 mm
B² one-gang junction boxes for system magnet 1262-03	B² one-gang junction boxes for system magnet 1263-03	B² one-gang junction boxes for system magnet 1264-03	B² electronics box for system magnet 1263-13	B² two-gang junction box for system magnet 1263-23
				
Ø 48,5 mm	Ø 68,5 mm	Ø 88,5 mm	Ø 68,5 mm	2x Ø 68,5 mm
B² one-gang junction box without plaster skin 1262-02	B² one-gang junction box without plaster skin 1263-02	B² one-gang junction box without plaster skin 1264-02	B² electronics box with plaster skin 1263-11	B² two-gang junction box with plaster skin 1263-21
				
Ø 48,5 mm	Ø 68,5 mm	Ø 88,5 mm		
B² one-gang junction box with plaster skin 1262-01	B² one-gang junction box with plaster skin 1263-01	B² one-gang junction box with plaster skin 1264-01		

Trailer



Technical information and advice

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

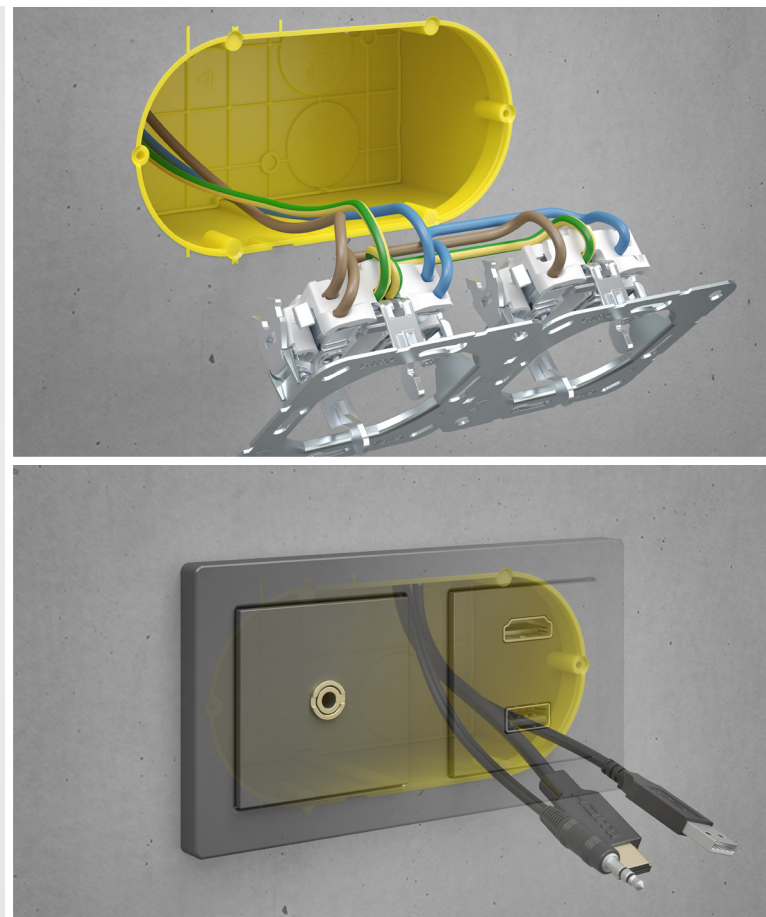
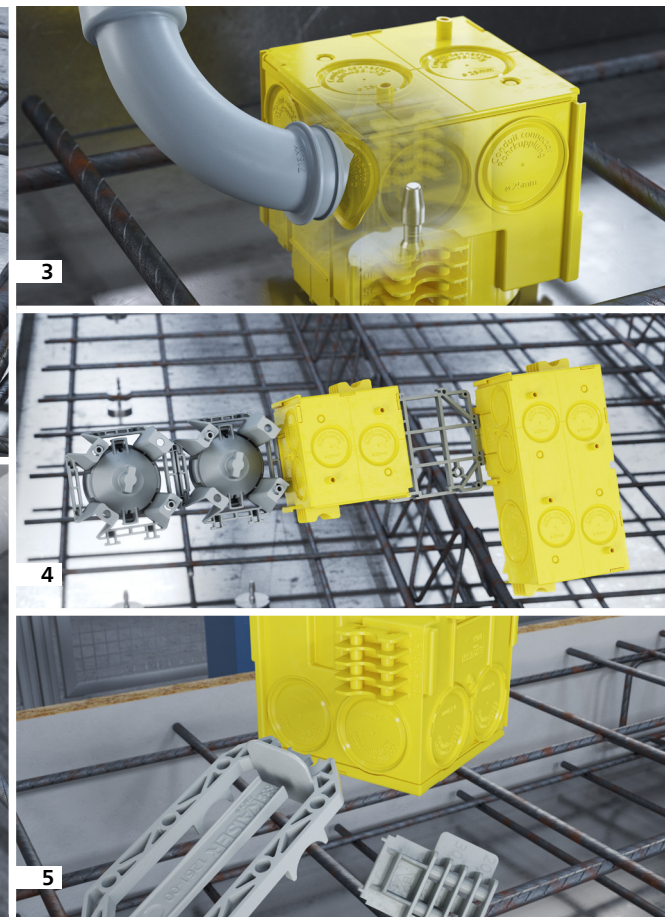
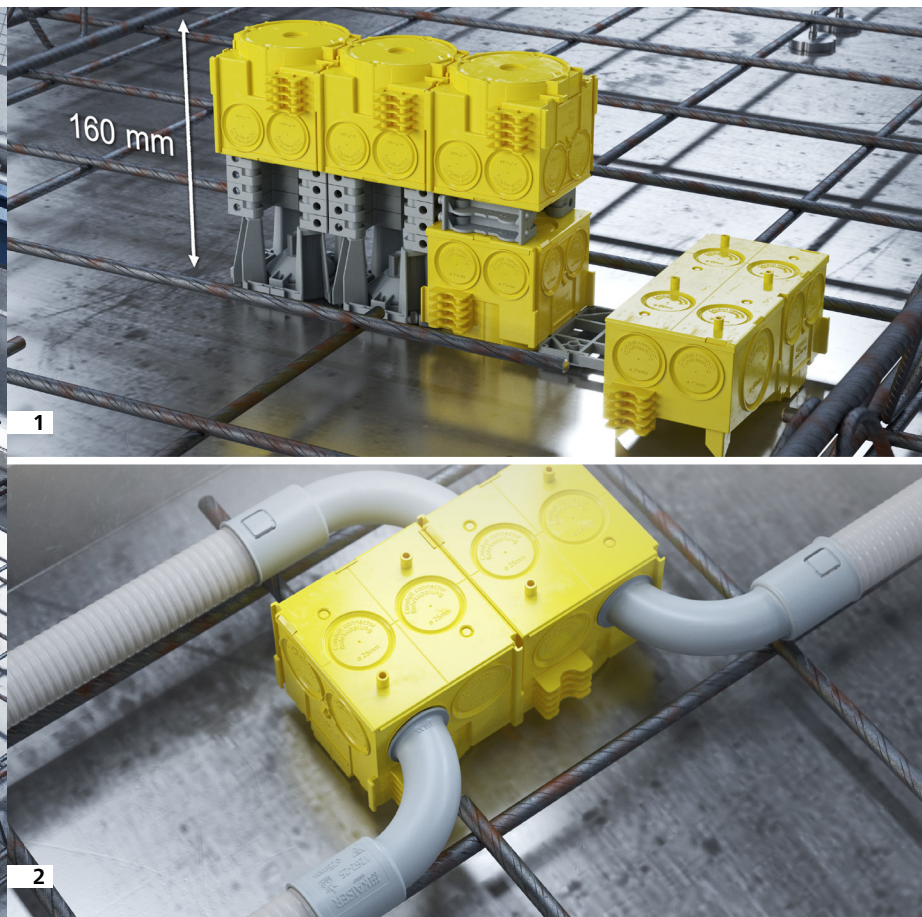
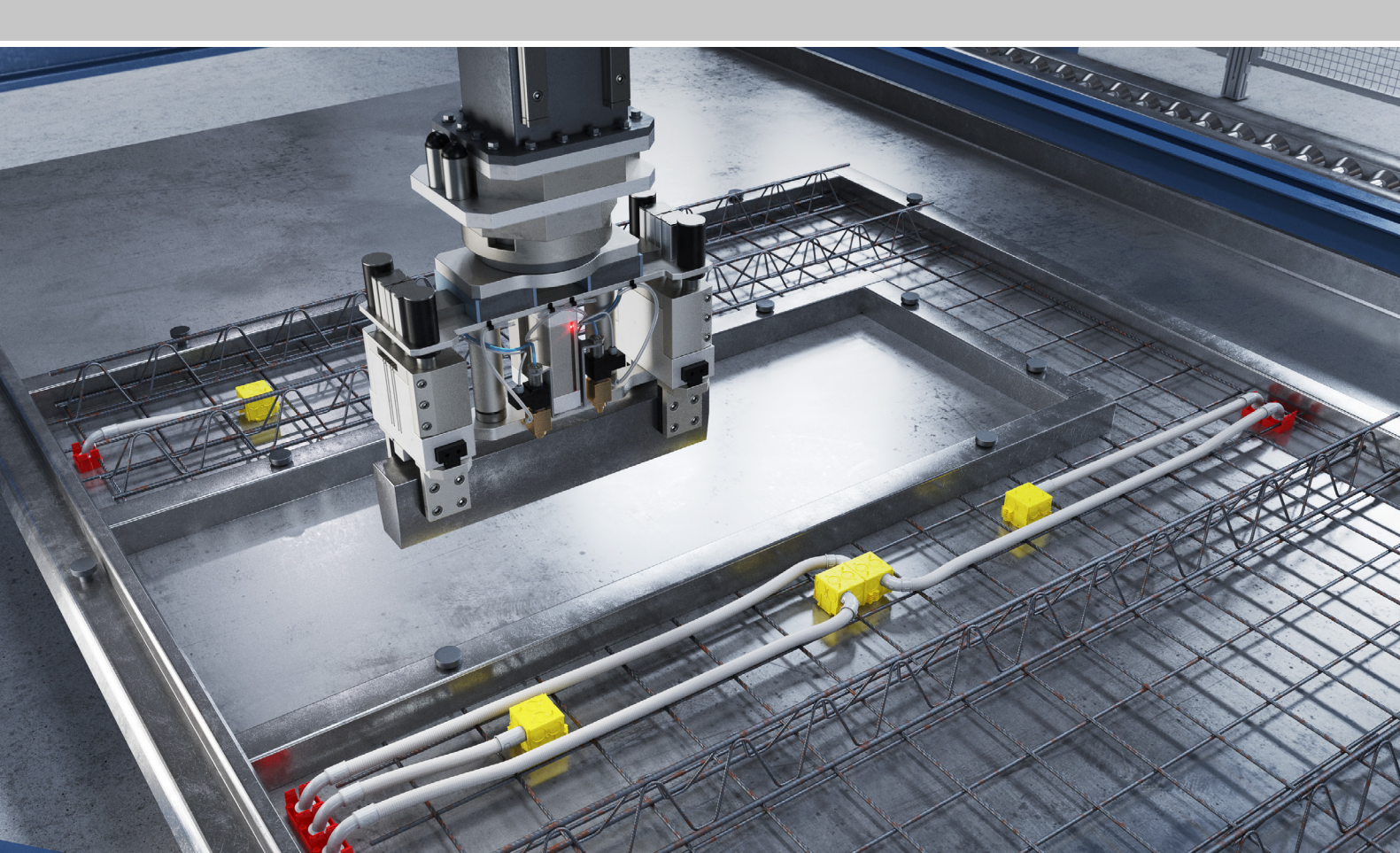
For additional questions or information, our team of technical consultants will be happy to assist you and look forward to talking to you: **+49 (0) 23 55 809 61** · technik@kaiser-elektro.de

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B² sets new standards in precast concrete. Innovative and optimised one-gang junction boxes.

Requirements on modern concrete building processes continue to rise. Efficiency, precision and a high degree of automation are crucial factors today for economical and future-oriented production processes. At the same time, there is a growing demand for installation solutions that can be intelligently integrated into industrial processes and that support the increased complexity of modern building technology without slowing down the construction process.

Proven principle – with intelligent additions

For over 20 years, the B² programme has proven its worth due to its one-unit design, square shape for exact positioning and standardised installation openings as per DIN. Those reliable strengths of the system are the basis for the new generation, too – while also featuring many practical further developments for greater efficiency and flexibility.

KAISER is setting new standards when it comes to electrical installation for horizontal prefabricated concrete parts with the **new generation of the B² system**. The tried-and-tested programme has been developed continually and adapted to the requirements of automated industrial pre-fabrication.

The result: a well-constructed system of immediately usable one-gang junction boxes, extended conduit connection options and flexible fixing solutions – perfect for modern concrete constructions.

Versatile product range – ready for use

The B² system includes one-gang junction boxes in three design heights (48.5 mm, 68.5 mm and 88.5 mm), as well as the newly developed electronics boxes and two-gang junction boxes with a depth of 68.5 mm. All boxes are delivered ex works with a closed lid – relieving you of an additional step in concrete building. The tried-and-tested design in one unit allows for quick, precise positioning on the formwork.

Flexible fixing – manually or automated

KAISER offers three fixing variations for different installation types:

1. Manual box placement with a system magnet fixing or
 2. Using an adhesive foil/hot glue or
 3. Using an integrated slot for the system magnet (1299-69 or 1299-70)
- This allows for an exact positioning aided by a robot, as well as traditional manual installation.

Toolless conduit connection for maximum process safety

The toolless conduit connection, which is completely sealed against concrete, is achieved through special conduit connectors for diameters of 20, 25, 32 and 40 mm. They prevent the conduits from protruding into the internal space of the box. An integrated sphere contour dampens vibrations during the compression process and increases installation safety.

Optimised for complex installations

The one-gang junction boxes adapted for a depth of 88.5 mm allows

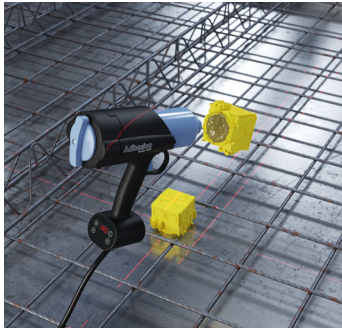
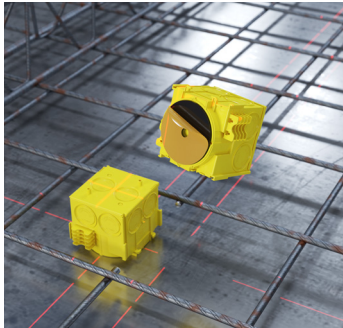
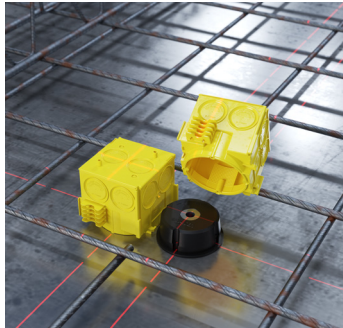
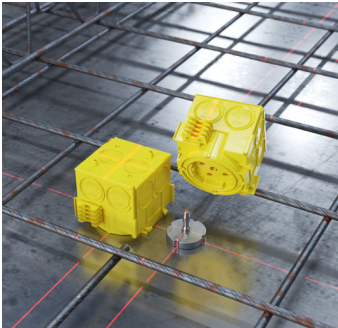
conduit connections of 20 to 40 mm and is the first to allow the connection of two Ø 32 mm conduits from the same direction. Most boxes have ten conduit entries, including entries on the rear for tight installation situations.

Perfect combinations possible – ideal for prefabrications

The boxes can be safely combined at a standardised distance of 71 mm. Lateral connection contours and catch mechanisms stabilise prefabricated sub-assemblies for storage, transport and installation. Break-out separators facilitate the installation of pre-wired devices in multi-row combinations.

Solutions for overhead installations

For overhead installations in solid walls, there are integrated slots for the Prefix®-Universal support seat (1261-00), which allows installation in the reinforcement bar without rear extension elements in concrete ceilings of 20 to 35 mm and ensure clean results without any visible traces on the back of the wall.



B² electronics boxes and B² two-gang junction boxes.

New special boxes for modern building technology

The extended B² product range is supplemented with two specially developed box solutions that are designed especially for the requirements of modern electrical and building technology.

The **B² electronics boxes** offer additional installation space for smart home and bus systems. A standardised separation of bus and operating voltage ensures maximum safety, while the slanting lateral installation area guarantees reliable ingress of concrete and lasting safe embedding.

The **B² two-gang junction boxes** were designed for applications with increased spatial demands. Their large installation openings make the installation of block devices, pre-wired device inserts and multimedia connections easier and allows comfortable use of prefabricated cables.

B² one-gang junction boxes with magnetic recess
1262-03/1263-03/1264-03

B² one-gang junction boxes with plaster skin
1262-01/1263-01/1264-01

B² one-gang junction boxes without plaster skin
1262-02/1263-02/1264-02

Product data

B² electronics box for system magnet
1263-13

B² two-gang junction box for system magnet
1263-23

B² electronics box with plaster skin
1263-11

B² two-gang junction box with plaster skin
1263-21