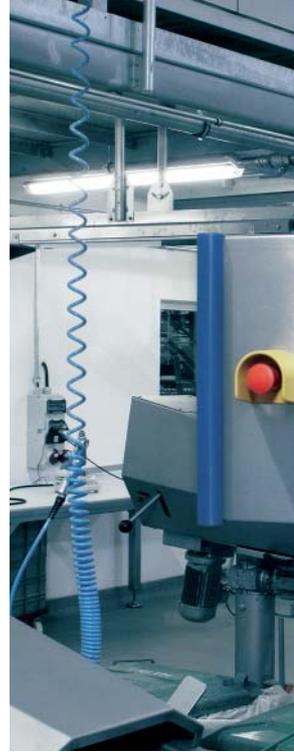
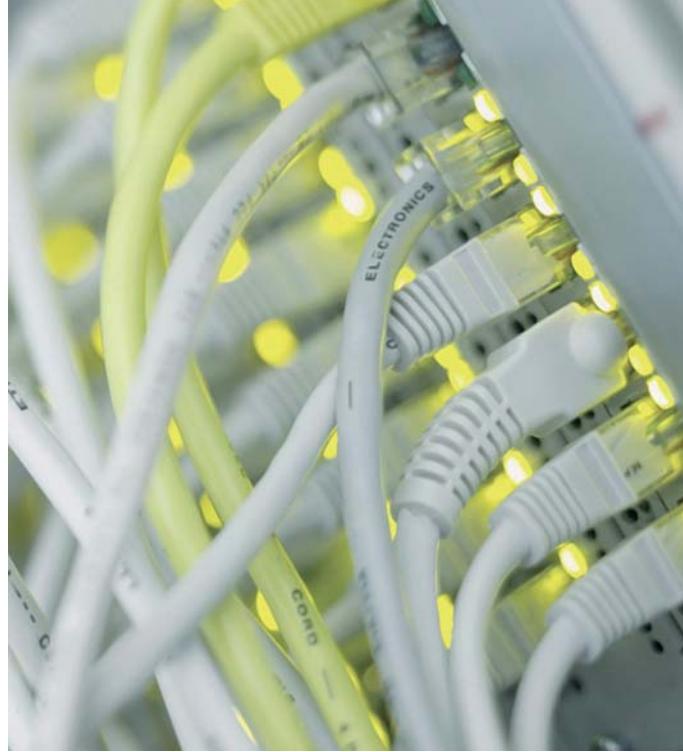


# xComfort Compact Distribution Boxes - Home game for a safe electrical installation system



**EATON**

*Powering Business Worldwide*



# Powering electrical systems worldwide

## Buildings

- Residential
- Healthcare
- Education
- Commercial offices
- Retail
- Public sector
- Airports
  
- Electrical distribution solutions for safe and efficient power delivery
- Power quality systems for uptime and reliability
- Power metering and monitoring to add intelligence and save costs
- Industrial control products for HVAC applications

## Information Technology

- Data centers
- Telecommunication
- Networks
- Computer rooms
  
- World's most efficient line of UPSs to reduce footprint and save energy
- Reliable power systems with inherent redundancy to improve availability
- Power metering and monitoring to diagnose problems and lower costs
- Local service and support for quick response



## Public and private sectors

Buildings, Information Technology, Industrial & Machinery, Energy & Utilities  
We provide reliable, efficient and safe power management.

## Industrial & Machinery

- Manufacturing
- Agriculture
- Construction
- Mining and metals
- Processing:
  - Petrochemicals
  - Pharmaceuticals
  - Pulp and paper
- Material handling
  
- Electrical distribution equipment to deliver power throughout the enterprise
- Control & automation and power quality equipment for process control
- Power metering and monitoring to manage energy costs and uptime
- Power and motion control products to optimize productivity, reliability, safety and operator comfort

## Energy & Utilities

- Renewable energy:
  - Solar
  - Wind
  - Hydropower
- Traditional energy:
  - Oil
  - Gas
- Smart grid
- Water and waste water
  
- Electrical balance of system and turnkey services for residential, utility and commercial solar installations
- Power distribution equipment, control components and system installations services
- Network power grid technology for intelligent data, lower costs and crew/public safety



# Yesterday, the future was yet to come. Today, it's already here.

## The future has already begun.

For us, innovation is tradition: in 1957 Eaton's Moeller segment developed the first fault current protection switch, and with this, a new era of electrical safety engineering began. And now, Eaton is still ahead of its time: the new digital switchgear range in the Eaton xEffect series communicates potential problems in advance and sets new standards in precision, security and convenient service.

### **Maximal safety with optimal ease**

Modern Residual Current Circuit Breakers (RCCB) protect people and technical equipment conveniently and reliably against faulty currents. The digital RCCB from the xEffect series do more than just switch off. They monitor electrical installations and give advance warning of critical current flows. So plant / factory shutdowns – and the resulting costs – can be avoided.

### **Precise Release – Highest Reliability**

Short-time fault currents or other briefly occurring malfunctions do not cause the digital protection switch to shut down, thanks to the short time delay and optimized tripping threshold. So the electrical installation is optimally protected against nuisance tripping.

### **Easy and adaptable installation for fast modernization**

The big Eaton Plus: It is very easy to upgrade a switchboard! Simply replace the RCCB – and you have all advantages of digitalization.

# xComfort Compact Distribution Boxes

## Micro Compact distribution boxes



The smallest distribution board of this product family fascinates the user especially with its extremely fast way of attaching the device cover which automatically snaps into position thanks to an innovative locking mechanism. So screwing down or unscrewing the device cover is no longer necessary at all. For up to 2 or 4 module units

### Benefit:

- Time-saving thanks to the extremely fast way of attaching the device cover using an innovative locking mechanism.

### Features:

- Degree of protection IP30 (IK05)
- Surface-mounted
- Protection class II, totally insulated
- 1-row, 2 and 4 module units
- No tools required for enclosure assembly
- Support rail made of plastic
- Enclosure made of high-quality ABS plastic
- No window
- Glow wire test 650°C
- Pre-punched metric areas for cable entry all around
- Body RAL 9003
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure

## Mini Compact distribution boxes



It is the diversity of this member of the family that makes it so outstanding. An overall sufficient number of articles can be ordered to meet all the requirements of real life situations, from 2 to 6 module units, with or without a window, with or without connection terminals, and with a top-hung window as an option for retrofitting.

### Benefit:

- Due to its diversity, it is the ideal solution for any application – available with or without connection terminals and with a top-hung window suitable for retrofitting.

### Features:

- Degree of protection IP30 or IP20 (IK05)
- Surface-mounted
- Protection class II, totally insulated
- 1-row, 2, 3, 4, 5 and 6 TE
- Support rail made of plastic
- Enclosure made of high-quality ABS plastic
- Either with or without a window
- Window lead-sealable
- Glow wire test 650°C
- Pre-punched metric areas for cable entry all around
- Body RAL 9003
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure

## ECO Compact distribution boxes



Both as a surface-mounted and flush-mounted compact distribution board, this product series made of plastic attracts the customers' attention above all through its slim design and its interesting price/performance ratio. Truly classic products are its 12-module-unit versions which are usually used in hotel projects.

### Benefit:

- Attractive price-performance ratio
- Slim design

### Features:

- Degree of protection IP40
- Surface mounted / flush: 1-row, 5, 8, 12 and 18 module units
- Surface mounted / flush: 2-rows, 24 and 36 module units
- Surface mounted / flush: 3-rows, 36 module units
- Surface-mounted: 3-rows, 54 module units
- Protection class II
- Glow wire test 850°C

# xComfort Compact Distribution Boxes

## KLV Compact distribution boxes



The second generation of the successful KLV compact distribution board series provides even more flexibility. The product family has now been complemented by new flush-mounted and hollow-wall distribution boards as well as by expandable KSK combined plug-type terminals included as standard. Additional cable holders allow for neat wiring. The stable device cover offers optimal protection for the operator, which is especially important for the large 4-row version. The highlight is the new 3D plaster compensation which not only provides for corrective compensation in X and Y direction, but also for depth compensation for up to 18mm over the entire door frame. So any differences in the wall surface can be compensated in a time-saving way and without any additional parts thanks to this new standard feature. Another characteristic aspect is the version with a unique, super-flat door frame design which makes the compact installation distribution board almost invisible. The new offer is completed by integrated marking slots in the wall pan, a bubble level for fast alignment, 90° quick-acting closures at the device cover and many new accessories offered as options to add even more value. Thanks to its certification as a compact installation distribution board according to IEC/EN 60670-24 as well as to EN 62208, the KLV compact distribution board is the first choice for both small and large projects.

## Projects - form of delivery 4PR

The second generation of the KLV compact distribution board series is also offered as a new project delivery form 4PR, which includes both the one-level and the two-level package.

While the one-level package represents the standard configuration including the wall pan, the two-level package optionally includes the doors/frames in the required RAL colour or with ventilation slots. So large projects, for example, can be executed using standard finishes or individually selected colour options.



### Benefit:

- Clearly structured wiring thanks to additional cable holders
- Optimal protection for the operator thanks to the stable device cover
- Easy and time-saving to mount thanks to
  - 3D plaster compensation
  - Integrated marking slots
  - Bubble level for fast alignment, and quick-acting closures at the device cover

### Features:

- Degree of protection IP30
- 1 to 4 rows, 12 module units and 2 spare MUs in each row
- Multimedia variants
- Hollow-wall and flush-mounted versions
- Flat and super flat door design
- Integrated spirit level
- 3D plaster compensation
- Terminals for neutral and protective conductors
- N-FI expansion terminal (FI = RCD = Residual Current Device)
- Pre-punched cable entries on all sides
- Protection class II, fully insulated
- Door and cover frame, sheet steel RAL 9016
- Low halogen level

# xComfort Compact Distribution Boxes

## KLV Multimedia DBs



The second generation of the KLV compact distribution board series now has a new family member – the multi-media distribution board. Equipped with the same enclosure features as the energy KLV distribution board, the multi-media distribution board meets the requirements of the new IEC/EN 60670-24 directive for multi-media applications in GP standard. Its high-quality basic equipment includes a carrier rail for patch modules, a micro-perforated mounting plate, device holders and a double power-socket, and it is completed by connection brackets for interlinking the wall pans in pairs.

KLV multi-media distribution boards are available in a normal-flat (F) as well as in a unique super-flat (SF) version. The doors come with ventilation systems for improved heat exchange. Like the energy distribution board, the multi-media KLV compact distribution board also includes the 3D plaster compensation in its scope of delivery.

### Benefit:

- Same equipment as the KLV compact distribution board
- High-quality basic equipment with a carrier rail for patch modules, a micro-perforated mounting plate, device holders and a double power-socket
- Improved heat exchange thanks to doors equipped with ventilation systems

### Features:

- Degree of protection IP30
- 3 to 4 rows
- Hollow-wall and flush-mounted versions
- Flat and super flat door design
- Integrated spirit level
- 3D plaster compensation
- Top row carrier rail
- Micro-perforated mounting plate
- Cable holder
- Device holder
- 2-fold electricity socket
- Pre-punched cable entries, on all sides
- Protection class II, fully insulated
- Door and cover frame, sheet steel RAL 9016
- Low halogen level
- IEC/EN 60670-24

# xComfort Compact Distribution Boxes

## IKA Surface-mounted compact distribution boxes, IP65



The easy-to-mount PE/N terminal rails, fixing possibilities directly at the wall without having to drill holes into the enclosure, and the spacious distance of 150 mm between the terminal rails allow you to install the IKA distribution board in an extremely convenient and fast way. Changing the door hinges can be done within seconds, without having to remove the cover or any other parts of the enclosure. Height-adjustable, stable device carrier rails and pre-punched holes for cable entries with a centration point are just a few of the many highly appreciated features, and the possibility of lead-sealing the enclosure cover and door comes as a standard feature as well, all without the need for any additional parts.

Highlights are the large wiring area under the carrier rail of 46 mm, the integrated module compensation in the cover used to compensate the different widths of the devices, and the possibility of installing additional functional units in the bottom panel of the enclosure.

Safe – thanks to the high degree of protection IP65, the foamed all-round sealing and the robust, halogen-free construction design of the door and body, safe operation with the IKA industrial distribution board made of polycarbonate can be guaranteed even in harsh industrial environments. More flexibility – thanks to 9 sizes with 4, 6 and 8 module units as well as with 12, 24, 36 or even with 18, 36 and 54 module units, you will find the optimal distribution board solution for any application and situation.

As the IKA surface-mounted compact distribution board meets the requirements of the EN 62208 and IEC/EN 60670-24 standards, it is the first choice for large projects according to IEC/EN 61439 as well as for small projects.

### Benefit:

- Quick and easy to install thanks to the easy-to-mount PE/N terminal rail, fixing possibilities directly at the wall without having to drill holes into the enclosure and a spacious distance between the rails
- Reversing the door hinges can be done within seconds
- Pre-punched holes for cable insertions with a centration point
- Lead-sealing of enclosure cover and door does not require any additional parts

### Features:

- Degree of protection IP65
- Protection class II, fully insulated
- Industrial version (PC) or PRO/Standard version (ABS)
- 1 to 3 rows, 12 and 18 module units
- Mini module with 4, 6 and 8 MU
- Glow wire test 850°C or 650°C
- CNC foamed sealing
- Fully removable DIN support rack
- Up to 46 mm wiring area under the DIN rail
- Module tolerance compensation in the cover
- Depth-adjustable DIN rail
- Neutral and protective conductor terminals
- Intuitive locking and unlocking of the door
- Body RAL 7035, door transparent
- Halogen-free

# xComfort Compact Distribution Boxes

## BF Flat distribution boxes, IP30



The BF series of Eaton's flat distribution boards makes a great visual impact thanks to its straight-forward and flat design. The installation distribution board is available in a surface-mounted as well as in a flush-mounted/hollow-wall version. There is a wide range of colours, device rows, module units and cable insertion options to choose from. The rack with the carrier rails can be completely removed and offers a convenient distance of 150 mm between the rows.

PE/N terminal rows as well as electric-shock protected installation sections with contact points at the metal front plates due to a special type of closure are included. The BF distribution board is made of solid, powder-coated steel sheet and is classified as protection class 1. As this flat distribution board meets the requirements of the 62208 as well as the IEC/EN 61439-1 and -3 standards, it is the right choice for a sub-distribution board up to 160A in a wide range of projects.

### Benefit:

- Easy mounting of the components thanks to a convenient distance between the rows and the possibility to remove the carrier rails
- Increased safety thanks to electric-shock protected installation sections

### Features:

- Degree of protection IP30
- Surface-mounted- or Flush-mounted Flat Distribution Boards
- 2- to 6-rows 24MU/row (Versions A, E, C)
- 4- to 6-rows 33MU/row (Versions A, C, P)
- Protection class I
- Sheet steel enclosure polyester powder coated (white RAL 9016; Version C also in grey RAL 7035)
- Prepared for Eaton MCCB Incoms
- Sheet steel front plates with contacting to the enclosure
- Removable DIN-rail frame
- Generous wiring space
- 150 mm DIN-rail distance (ideal for switchgear busbar system)
- Complete enclosure (including N/PE-terminals)
- Depth: 127 mm
- Universal mounting plate

## EWK field distribution boards, IP31



The next generation of the well-proven EWK surface-mounted field distribution board featuring a depth of 225 mm is outstanding thanks to its improved installation sections. Large-area shock-protection covers made of plastic which can be closed without the need for any tools, torsion-resistant carrier rails of 35x7.5 mm and the new combined plug-type terminals complete the list of its features. Traditional virtues such as the 2K membrane flanges at the top and bottom, 110° door opening angle and 3-point locking mechanism for enclosures with double-wing doors. Thanks to its classification as protection class 2 the EWK surface-mounted field distribution board is above all used in public buildings.

### Benefit:

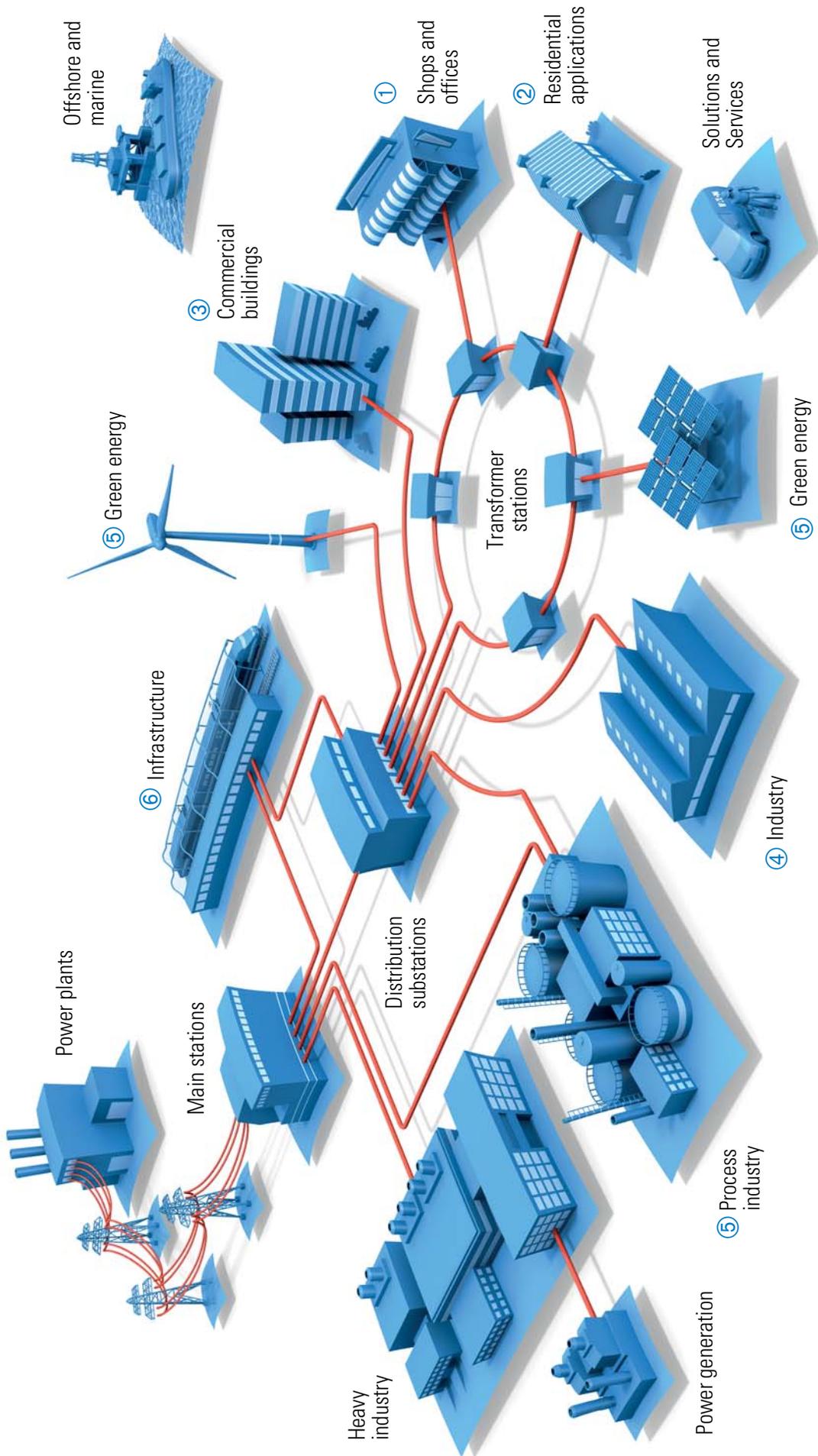
- Improved safety thanks to the large-area electric-shock protection cover
- Compactness thanks to torsion-resistant carrier rails
- Easy to mount thanks to the large wiring area behind the DIN rail

### Features:

- Degree of protection IP31, IK08
- Protection class II, fully insulated
- 225 mm enclosure depth
- Complete with door and installation field for add-on devices
- Combined plug-type terminals for neutral and protective conductor
- Device cover with quick-acting closure
- 36 to 288 module units, 3 to 6 rows
- 14 different enclosure sizes
- Design with either one or two doors
- Larger enclosures with 3-point rod lock
- Stable and torsion-resistant DIN rail
- Possibility for direct fixing on the wall
- Quick and easy inversion of the door hinges
- 2K membrane flanges
- Body RAL 9016, door of non-transparent sheet steel
- Different incomer options are available as retrofit kit

# xComfort Compact Distribution Boxes

Applications



Shops and offices ①



ECO                      KLV                      Multimedia                      IKA Prof.                      BF                      EWK

Residential applications ②



Micro                      Mini                      Eco                      KLV                      Multimedia                      IKA Prof.                      BF

Commercial buildings, Hotels and Infrastructure ③+⑥



ECO                      KLV                      IKA Prof.                      BF                      EWK

Industry & Processindustry, green energy ④+⑤



IKA Industrial made of polycarbonate

# Eaton Online Catalog – find product details quickly and efficiently!

You can find comprehensive up-to-date product information at <http://ecat.moeller.net/catalog>

## Lookup

You can search by keywords, product names, article numbers, technical data: The search understands everything and takes you straight to the product you're looking for.

## Graphical navigation

Graphical representation of the fields of application and product groups.

## Selection aids

Tailored to the typical expert's approach, this search aid helps you quickly find the product you need.

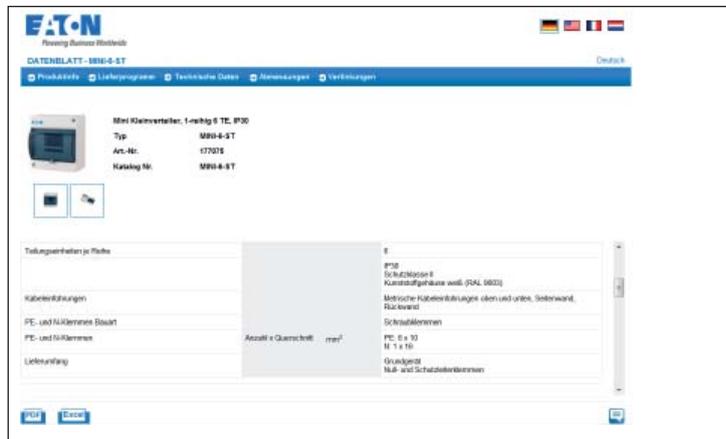
## Data sheets

For every article the catalog can generate a technical data sheet, which you can convert to a PDF file for printing or saving with a single click.

## Parts lists

From your search results you can create a parts list that you can then send to your Eaton sales partner as a query.

You can find comprehensive up-to-date information about Eaton's automation products and switchgear in our Online Catalog.



HTML data sheet; can be saved as PDF file.

Stückliste

Pos.	Anz.	Foto	Art.-Nr.	Typ	Kurztext	VPE	Liefergröße	Kommentar
<input type="checkbox"/>	1		174221	KA-14-ST	KA Verteiler Professional, IP65	1	1	Projekt Talsparga
<input type="checkbox"/>	2		177065	MICRO-4	Micro Kleinverteiler, 1-nellig 4 TE, IP30	1	1	Projekt Timer
<input type="checkbox"/>	3		177075	MKB-6-ST	Mini Kleinverteiler, 1-nellig 6 TE, IP30	1	1	Projekt Renoverung
<input type="checkbox"/>	4		103103	EF-OT-3/72-C	Oberputz Flachverteiler mit Sichtfenster komplett, weiß, 24TE pro Reihe, 3 Reihen, Ausführung C	1	1	Projekt Hotel Wien
<input type="checkbox"/>	5		174652	EWK-05051	Wandgehäuse EWK mit Normeinbaueinheiten 72TE, IP43, IK09, Schutzklasse 2, RAL 5016, HxBxT=500x550x160mm	1	1	Projekt Messehalle

Alle auswählen

Position löschen  Änderungen übernehmen  Freie Position hinzufügen

Parts list, e.g. for queries to Eaton Sales.



# Protective Devices

## Protective Devices



Residual Current Devices (RCDs)



Residual Current Devices Digital (RCDs)



Fire Protection Device



Leakage Current Monitor



Combined RCD/ MCB Devices



Miniature Circuit Breakers (MCBs)



Manual Motor Starter and Power Limiter



Power Circuit-Breaker

## Accessories for Protective Devices



Auxiliary Switch



RCD-Tripping Module



Shunt Trip Release



Undervoltage Release



Automatic Switching Device



Surge Protection



Measuring Instruments



Other Accessories

## Controlling & Switching



Switches



Installation Contactors



Relays



Signalling Devices

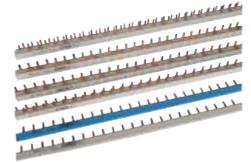


Transformers



Control-Relay Easy

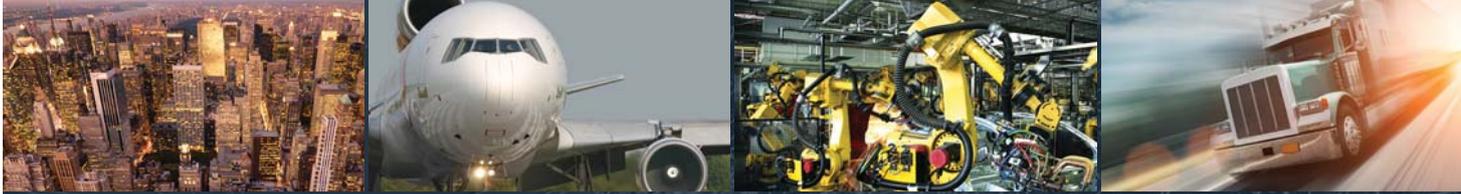
## Busbar System



Plug-in busbar and Busbar block

### Benefit:

- The entire distribution board solution is technically inter-coordinated
- The ideal solution for any application, both in the private and industrial sector
- Expansions and adjustments at a later point in time are always possible
- Perfect image at the end-customer's thanks to a single-source solution



# Energizing a world that demands more.

## We deliver:

- **Electrical solutions** that use less energy, improve power reliability and make the places we live and work safer and more comfortable
- **Hydraulic and electrical solutions** that enable machines to deliver more productivity without wasting power
- **Aerospace solutions** that make aircraft lighter, safer and less costly to operate, and help airports operate more efficiently
- **Vehicle drivetrain and powertrain solutions** that deliver more power to cars, trucks and buses, while reducing fuel consumption and emissions

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Eaton's innovative technologies help customers manage electrical, hydraulic and mechanical power more reliably, efficiently, safely and sustainably.

We provide integrated solutions that help make energy, in all its forms, more practical and accessible.

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VT24814



**Compact Distribution Boxes**

**Compact Distribution Boxes**

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**Flat Distribution Boards**

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VT78914



VT77714



VT77914



VT77714



## Description

### MICRO-... and MINI-....

- Degree of protection IP20 or IP30
- Protection class II, totally insulated
- Either with or without a window
- 1-row; 2, 3, 4, 5 and 6 MU
- High-quality ABS plastic
- Glow wire test 650 °C
- Support rail made of plastic
- Possibility of direct fixing on the wall
- Pre-punched metric areas for cable entry all around
- Lead-sealable window
- Body RAL 9003, door transparent

**Micro & Mini Compact Distribution Boxes**

**Type Key**

<b>MICRO</b>	-	<b>4</b>		
Micro Compact Distribution Boxes	-	Module units MU		
		2		
		4		
<b>MINI</b>	-	<b>4</b>	-	<b>S</b> <b>T</b>
MINI Compact Distribution Boxes	-	Module units MU		Version Indoor
		2		S = Screw-type terminal      T = transparent
		3		„ _ “ = without terminal      „ _ “ = without door
		4		
		5		
		6		

**System Overview Micro & Mini**

Compact Distribution Boxes Version	Protection class II (totally insulated)	Complies with European Standard EN 62208	IP30	RAL 9003	N/PE terminals	Window
Micro	■	■ <sup>1)</sup>		■ <sup>2)</sup>	-	-
Mini	■	■ <sup>1)</sup>	■ <sup>3)</sup>	■ <sup>2)</sup>	■ <sup>4)</sup>	■

- <sup>1)</sup> Pre-requisite for building distribution boxes from empty enclosures according to IEC/EN 61439-3
- <sup>2)</sup> Body and cover frame, window is transparent
- <sup>3)</sup> Version without a window = IP20.
- <sup>4)</sup> Only Mini-6-ST version

**Legend Micro & Mini**

Symbol	Explanation
	Totally insulated, according to EN 60670-24.
	Only for indoor applications.
	Resistance to abnormal heat and fire according to IEC/EN 62208.



Rows / MU	Description	Window	Type Designation	Article No.	Pack (pcs.)
-----------	-------------	--------	------------------	-------------	-------------

### Micro Compact Distribution Boxes

#### IP30 (IK05)

- Surface-mounted
- Protection class II, totally insulated
- 1-row, 2 and 4 module units
- No tools required for enclosure assembly
- Support rail made of plastic
- Enclosure made of high-quality ABS plastic
- No window
- Glow wire test 650 °C
- Pre-punched metric areas for cable entry all around
- Body RAL 9003
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure

#### Micro

VT79114



1 / 2	No tools required for assembly thanks to easy click-assembly	no	MICRO-2	177081	1 / 20
-------	--	----	---------	--------	--------

VT78714



1 / 4	No tools required for assembly thanks to easy click-assembly	no	MICRO-4	177065	1 / 12
-------	--	----	---------	--------	--------



Rows / MU	Description	Window	Type Designation	Article No.	Pack (pcs.)
-----------	-------------	--------	------------------	-------------	-------------

## Mini Compact Distribution Boxes

### IP30 or IP20 (IK05)

- Surface-mounted
- Protection class II, totally insulated
- 1-row, 2, 3, 4, 5 and 6 module units
- Support rail made of plastic.
- Enclosure made of high-quality ABS plastic
- Either with or without a window
- Lead-sealable window
- Glow wire test 650 °C
- Pre-punched metric areas for cable entry all around, also in the rear wall
- Body RAL 9003
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure

### Mini

VT77714, VT78914



1 / 2	without N/PE terminals	with	MINI-2-T	177071	1 / 20
		without	MINI-2	177066	1 / 20

VT77714, VT78914



1 / 3	without N/PE terminals	with	MINI-3-T	177072	1 / 12
		without	MINI-3	177067	1 / 12

VT77714, VT78914



1 / 4	without N/PE terminals	with	MINI-4-T	177073	1 / 12
		without	MINI-4	177068	1 / 12

VT77714, VT77914



1 / 5	with N terminal 1x 16 mm <sup>2</sup>	with	MINI-5-ST	177074	1 / 9
	without N terminal	without	MINI-5	177069	1 / 9

VT78914, VT78114



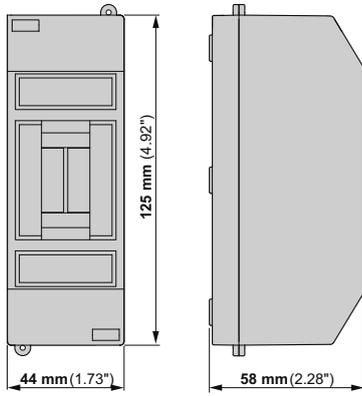
1 / 6	with N/PE terminals 6x 10 mm <sup>2</sup> + 1x 16 mm <sup>2</sup>	with	MINI-6-ST	177075	1 / 9
	without N/PE terminals	without	MINI-6	177070	1 / 9

**Technical Data**

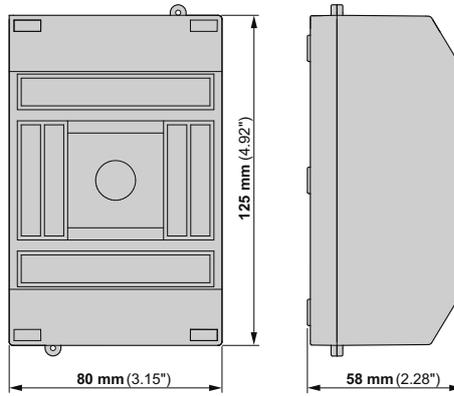
		<b>Micro &amp; Mini</b>
<b>Electrical</b>		
Version according to		IEC/EN 62208
Degree of protection		IP30 (IK05); Mini without window IP20; according to EN 60529
Protection class		II, totally insulated
Rated voltage		400 V AC
Max. power loss admitted for all devices installed in the distribution box at a difference in temperature of 20 °K:		
MICRO-2		10.0 W
MICRO-4		10.4 W
MINI-2		10.0 W
MINI-3		10.2 W
MINI-4		10.4 W
MINI-5		10.7 W
MINI-6		10.8 W
<b>Mechanical</b>		
Material		
Enclosure		ABS
Window		SAN
Colour		
Enclosure		white RAL 9003
Window		transparent
Distance between rows		- mm
Support rail for devices		Plastic
UV resistant		no
Type of installation		
MICRO		Indoor
MINI		Indoor
Halogen-free, RoHs		yes

## Dimensions (mm)

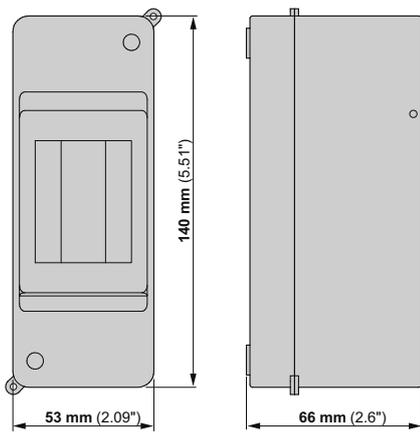
**MICRO-2**



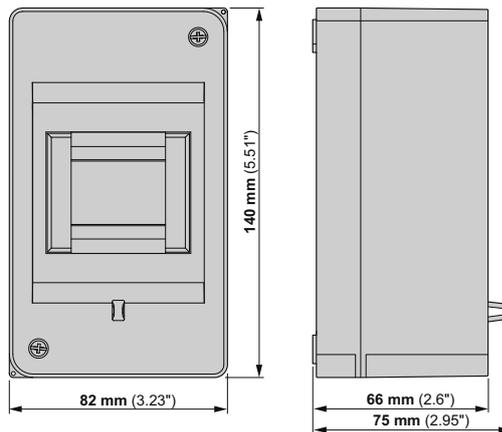
**MICRO-4**



**MINI-2**



**MINI-3**



# 1.8

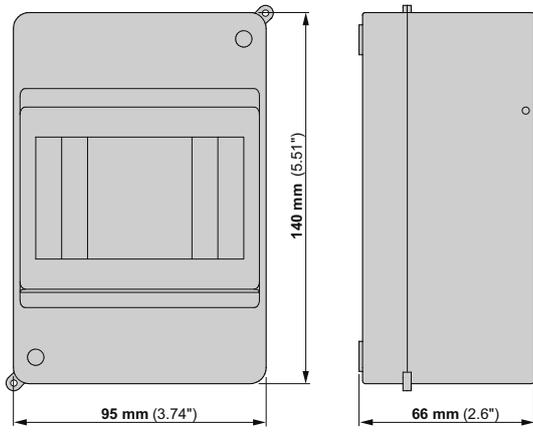
## Compact Distribution Boxes

xComfort

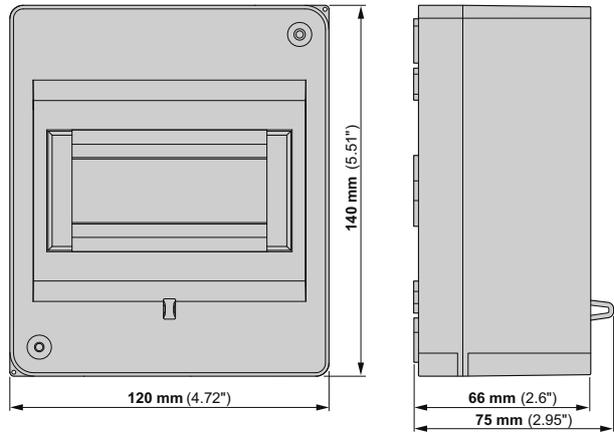
Micro & Mini Compact Distribution Boxes, IP30

### Dimensions (mm)

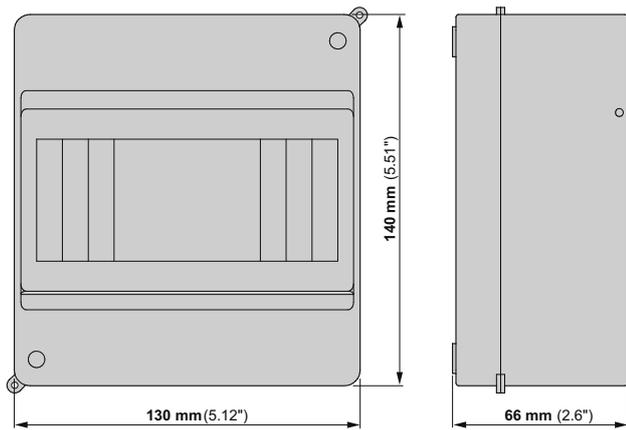
MINI-4



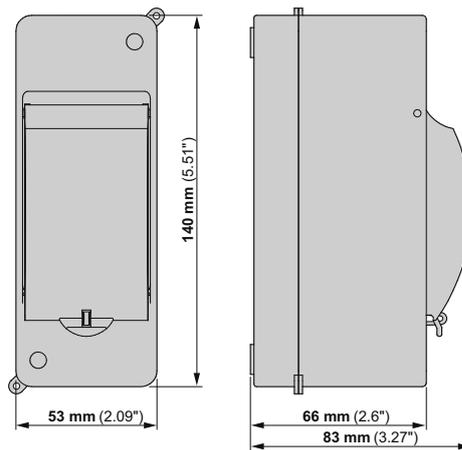
MINI-5



MINI-6

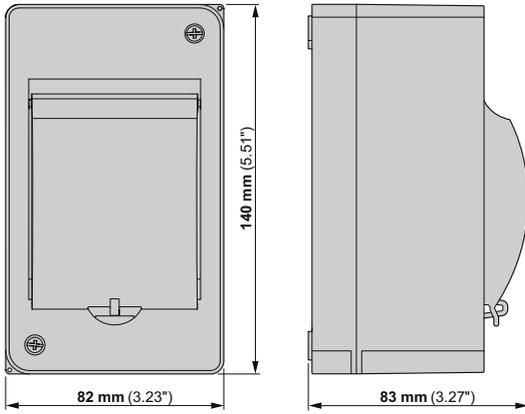


MINI-2-T

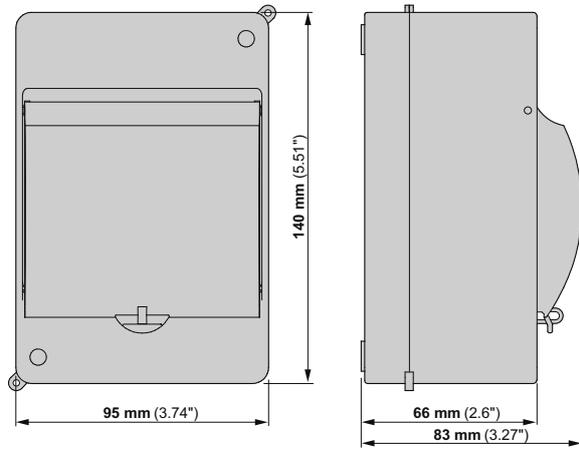


## Dimensions (mm)

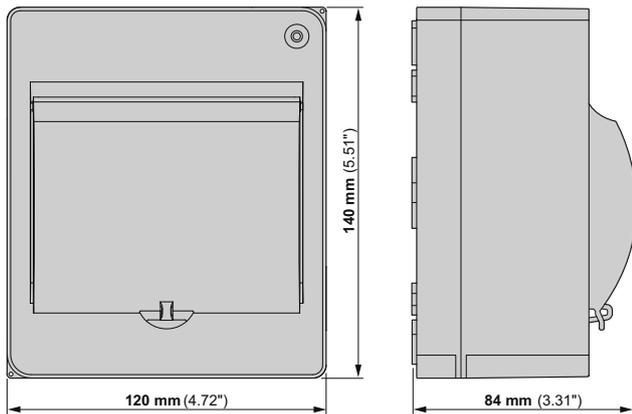
**MINI-3-T**



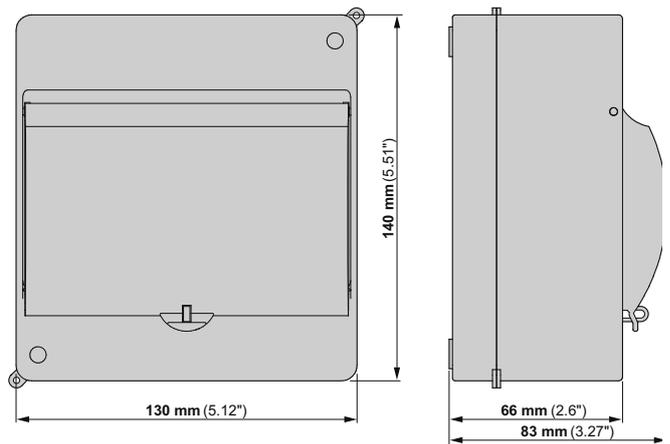
**MINI-4-T**



**MINI-5-ST**



**MINI-6-ST**



vi52815



vi51615



vi48915



vi48215



## Description

### BC-O...-ECO and BC-U...-ECO

- Degree of protection IP40
- Protection class II, totally insulated
- Surface-mounted or flush-mounted
- 1 to 3-rows, 12 and 18 module units
- Mini module with 5 and 8 module units
- Glow wire test 850 °C
- Neutral and protective conductor terminals
- Metal support rail
- Cover can be lead-sealed
- Body RAL 9003, windows transparent or non-transparent

**ECO Compact Distribution Boxes**

**Type Key**

<b>BC</b>	-	<b>0</b>	-	<b>1</b>	/	<b>12</b>	- <b>TW</b>	- <b>ECO</b>
Insulation material Compact Distribution Boxes	-	Construction	-	Number of rows		Module units MU	Version of window	Version
		0 = Surface-mounted		1		5	without = transparent	ECO = ABS plastic
		U = Flush-mounted		2		8	-TW = non-transparent	
				3		12		
						18		
						24		
						36		
						54		

Note: ABS = Acrylonitrile butadiene styrene

**System Overview ECO**

<b>Compact Distribution Boxes Version</b>	<b>Protection class II (totally insulated)</b>	<b>Complies with European Standard EN 62208</b>	<b>IP40</b>	<b>RAL 9003</b>	<b>N/PE terminals</b>	<b>Window transparent</b>	<b>Window non-transparent</b>
BC-0	■	■ <sup>1)</sup>	■	■ <sup>2)</sup>	■	■	■ <sup>3)</sup>
BC-U	■	■ <sup>1)</sup>	■	■ <sup>2)</sup>	■	■	■ <sup>3)</sup>

<sup>1)</sup> Pre-requisite for building distribution boxes from empty enclosures according to IEC/EN 61439-3

<sup>2)</sup> Body and cover frame

<sup>3)</sup> RAL9003

**Legend ECO**

Symbol	Explanation
	Totally insulated, according to EN 60670-24.
	Only for indoor applications.
	Resistance to abnormal heat and fire according to IEC/EN 62208.



Rows / MU	Description	Window	Type Designation	Article No.	Pack (pcs.)
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#### ECO Compact Distribution Boxes

##### IP40 (IK05)

- Surface-mounted or flush-mounted
- Protection class II, totally insulated
- 1- to 3-rows, 12 and 18 module units
- Mini module with 5 and 8 module units
- Glow wire test 850 °C
- Neutral and protective conductor terminals with solid screw-type technology
- Metal support rail
- Cover can be lead-sealed
- Body RAL 9003, windows transparent or non-transparent

##### Mini - Surface-mounted

vt53215, vt53515



1 / 5	with N/PE screw-terminal 4x 10 mm <sup>2</sup> each	transparent	BC-O-1/5-ECO	280345	1
		RAL9003	BC-O-1/5-TW-ECO	281649	1

vt52415, vt52715



1 / 8	with N/PE screw-terminal 8x 10 mm <sup>2</sup> each	transparent	BC-O-1/8-ECO	280346	1
		RAL9003	BC-O-1/8-TW-ECO	281690	1

##### 12 MUs per row - Surface-mounted

vt51915, vt51615



1 / 12	with N/PE screw-terminal 12x 10 mm <sup>2</sup> each	transparent	BC-O-1/12-ECO	280347	1
		RAL9003	BC-O-1/12-TW-ECO	281691	1

wa\_vt13115, vt49315



2 / 24	with N/PE screw-terminal 2x (12 x 10 mm <sup>2</sup> ) each	transparent	BC-O-2/24-ECO	280349	1
		RAL9003	BC-O-2/24-TW-ECO	281693	1

vt48215, vt48115



3 / 36	with N/PE screw-terminal 3x (12 x 10 mm <sup>2</sup> ) each	transparent	BC-O-3/36-ECO	284640	1
		RAL9003	BC-O-3/36-TW-ECO	284642	1



Rows / MU	Description	Window	Type Designation	Article No.	Pack (pcs.)
<b>18 MUs per row - Surface-mounted</b>					
vt50115, vt49615 	1 / 18 with N/PE screw-terminal 18x 10 mm <sup>2</sup> each	transparent	BC-O-1/18-ECO	280348	1
		RAL9003	BC-O-1/18-TW-ECO	281692	1
vt51015, vt50915 	2 / 36 with N/PE screw-terminal 2x (18 x 10 mm <sup>2</sup> ) each	transparent	BC-O-2/36-ECO	280350	1
		RAL9003	BC-O-2/36-TW-ECO	281694	1
vt547015, vt49815 	3 / 54 with N/PE screw-terminal 3x (18 x 10 mm <sup>2</sup> ) each	transparent	BC-O-3/54-ECO	280351	1
		RAL9003	BC-O-3/54-TW-ECO	281695	1
<b>Mini - Flush-mounted</b>					
vt52815, vt53115 	1 / 5 with N/PE screw-terminal 4x 10 mm <sup>2</sup> each	transparent	BC-U-1/5-ECO	280352	1
		RAL9003	BC-U-1/5-TW-ECO	281696	1
vt52315, vt52015 	1 / 8 with N/PE screw-terminal 8x 10 mm <sup>2</sup> each	transparent	BC-U-1/8-ECO	280353	1
		RAL9003	BC-U-1/8-TW-ECO	281697	1

# 1.14

## Compact Distribution Boxes

xComfort

ECO Compact Distribution Boxes IP40



	Rows / MU	Description	Window	Type Designation	Article No.	Pack (pcs.)
<b>12 MUs per row - Flush-mounted</b>						
 vt51515, vt51315	1 / 12	with N/PE screw-terminal 12x 10 mm <sup>2</sup> each	transparent	BC-U-1/12-ECO	280354	1
			RAL9003	BC-U-1/12-TW-ECO	281698	1
 vt48915, vt4815	2 / 24	with N/PE screw-terminal 2x (12 x 10 mm <sup>2</sup> ) each	transparent	BC-U-2/24-ECO	280356	1
			RAL9003	BC-U-2/24-TW-ECO	281710	1
 vt48915, vt4815	3 / 36	with N/PE screw-terminal 3x (12 x 10 mm <sup>2</sup> ) each	transparent	BC-U-3/36-ECO	284641	1
			RAL9003	BC-U-3/36-TW-ECO	284643	1
<b>18 MUs per row - Flush-mounted</b>						
 vt49815, vt49715	1 / 18	with N/PE screw-terminal 18x 10 mm <sup>2</sup> each	transparent	BC-U-1/18-ECO	280355	1
			RAL9003	BC-U-1/18-TW-ECO	281699	1
 vt50615, vt50515	2 / 36	with N/PE screw-terminal 2x (18 x 10 mm <sup>2</sup> ) each	transparent	BC-U-2/36-ECO	280357	1
			RAL9003	BC-U-2/36-TW-ECO	281711	1

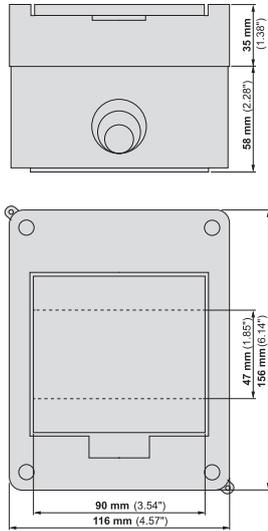
**Technical Data**

<b>ECO</b>	
<b>Electrical</b>	
Version according to	IEC/EN 62208
Degree of protection	IP40 (IK05) according to EN 60529
Protection class	II, totally insulated
Rated voltage	400 V AC
Max. power loss admitted for all devices installed in the distribution box at a difference in temperature of 20 °K:	
1/5	5 W
1/8	8 W
1/12	13 W
2/24	19 W
3/36	23 W
1/18	19 W
2/36	29 W
3/54	38 W
<b>Mechanical</b>	
Material	
Enclosure	ABS
Window	ABS
Colour	
Enclosure	white RAL 9003
Door	transparent; white RAL 9003
Distance between rows	125 mm
Support rail for devices	DIN rail 35 x 7.5 mm, galvanized sheet steel
UV resistant	no
Glow-wire test	850 °C
Type of installation	
BC-O	Indoor
BC-U	Indoor
No halogens, RoHs	yes

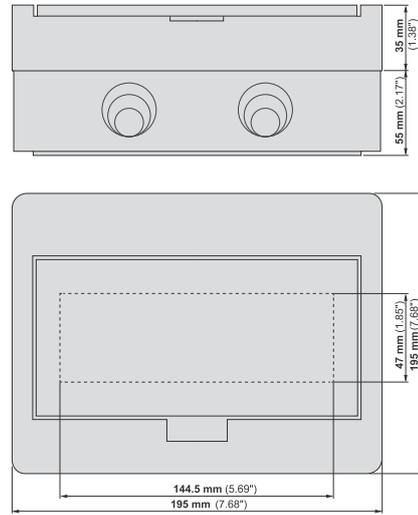
### Dimensions (mm)

#### Surface-mounted Compact Distribution Boxes BC-O-...

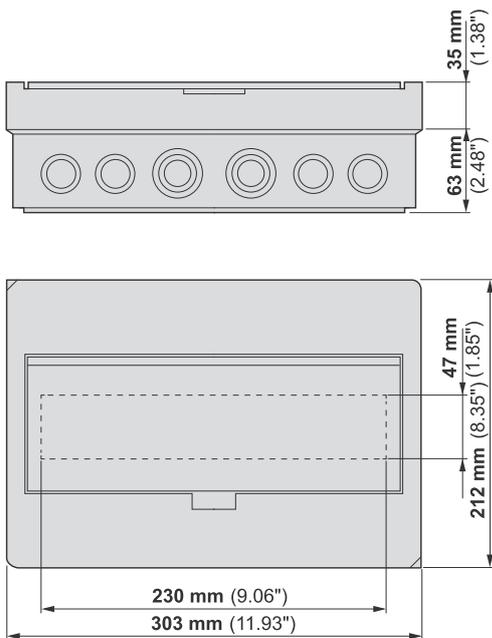
BC-O-1/5....



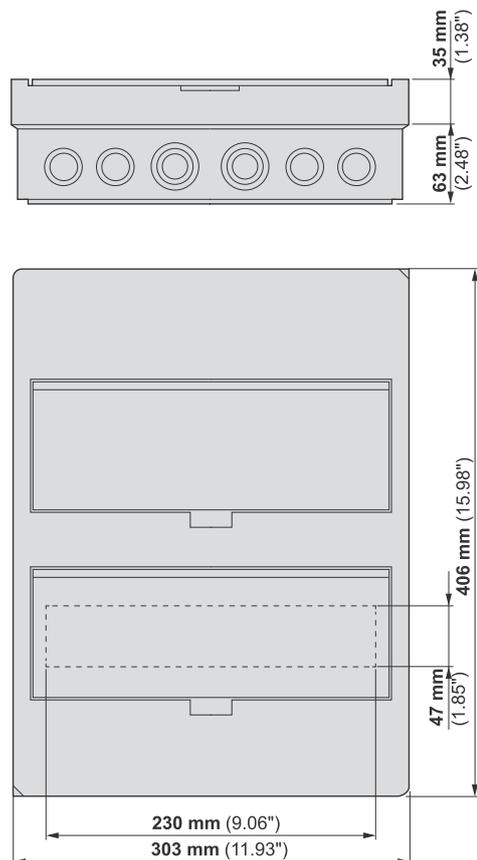
BC-O-1/8....



BC-O-1/12....



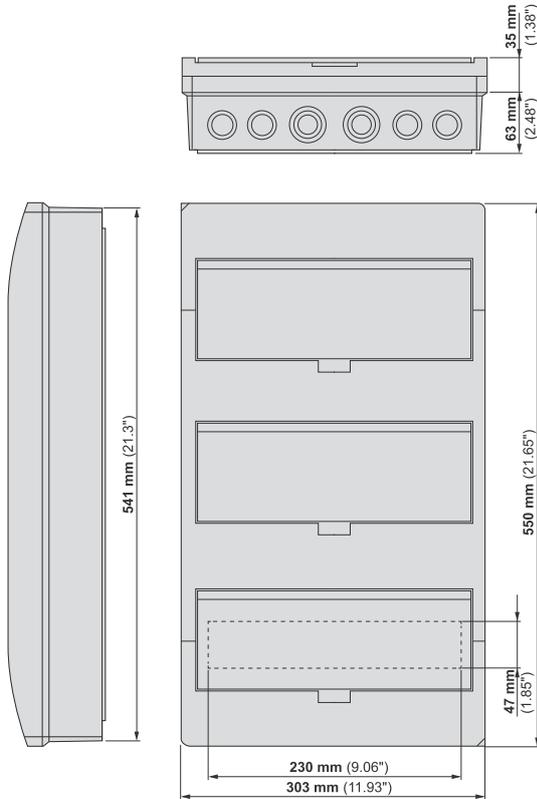
BC-O-2/24....



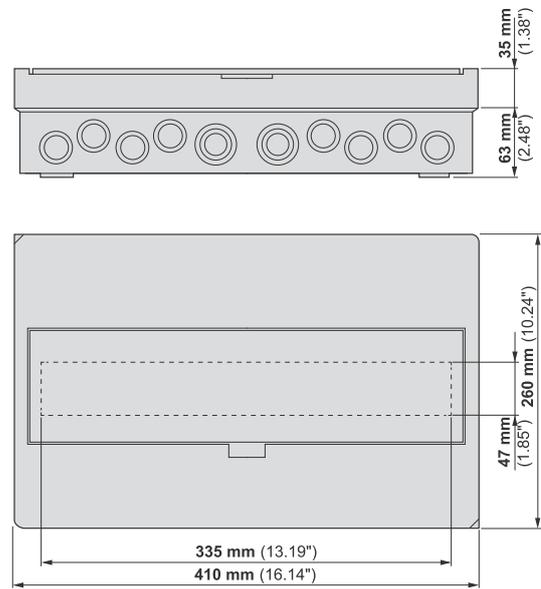
Dimensions (mm)

Surface-mounted Compact Distribution Boxes BC-O-...

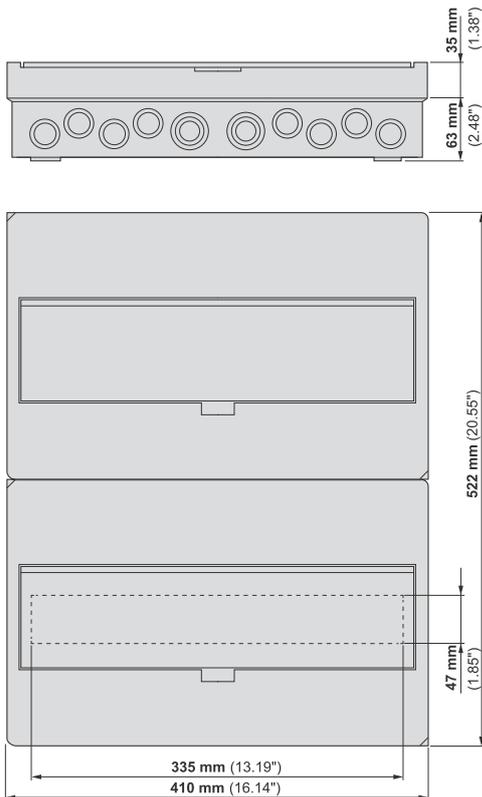
BC-O-3/36....



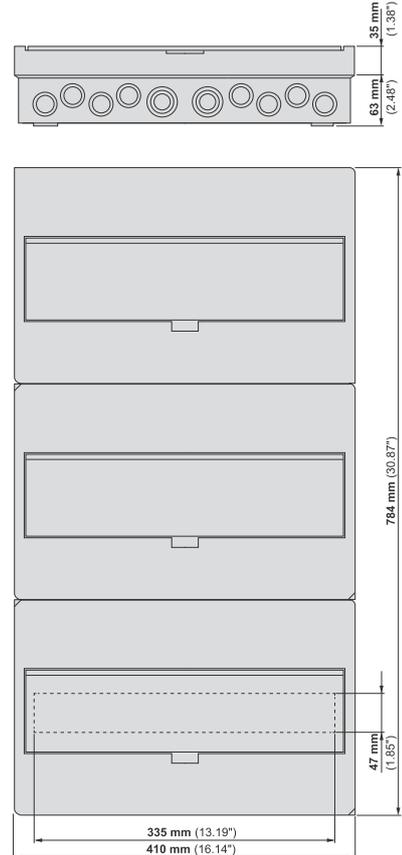
BC-O-1/18....



BC-O-2/36....



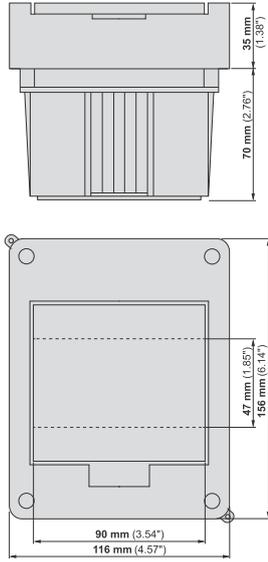
BC-O-3/54....



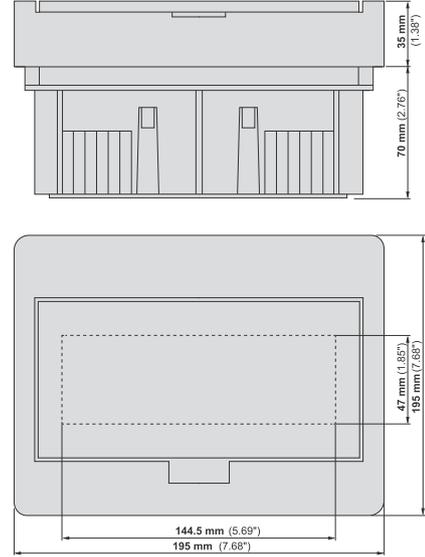
### Dimensions (mm)

#### Flush-mounted Compact Distribution Boxes BC-U-...

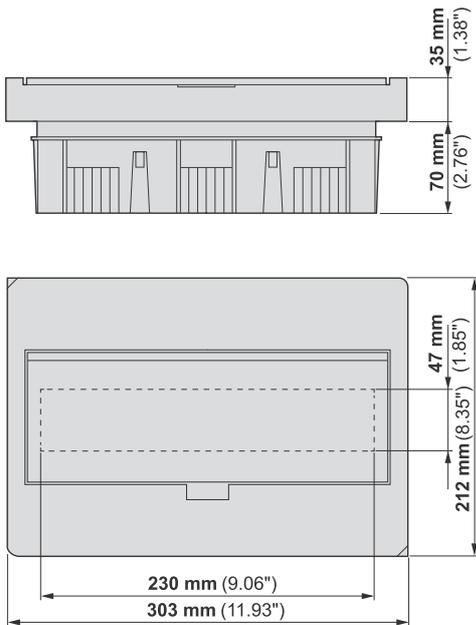
BC-U-1/5....



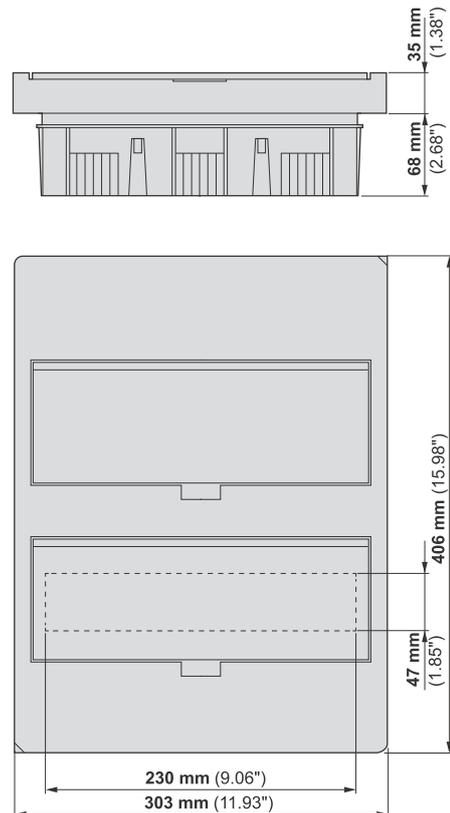
BC-U-1/8....



BC-U-1/12....



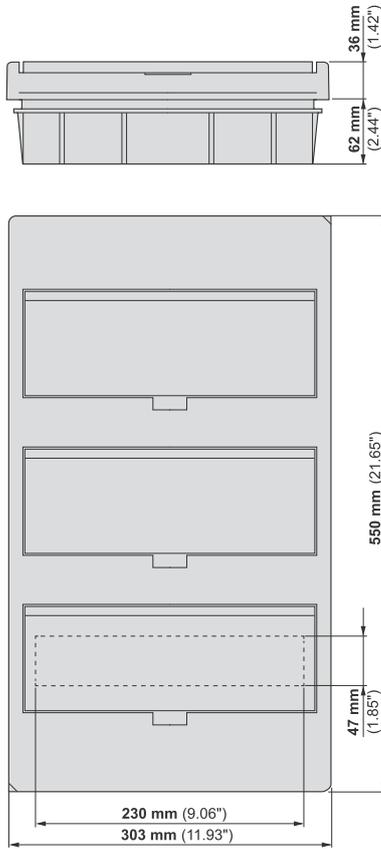
BC-U-2/24....



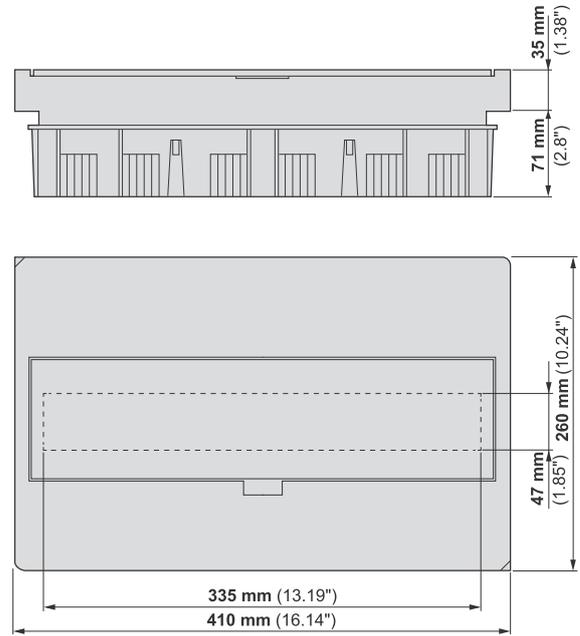
Dimensions (mm)

Flush-mounted Compact Distribution Boxes BC-U-...

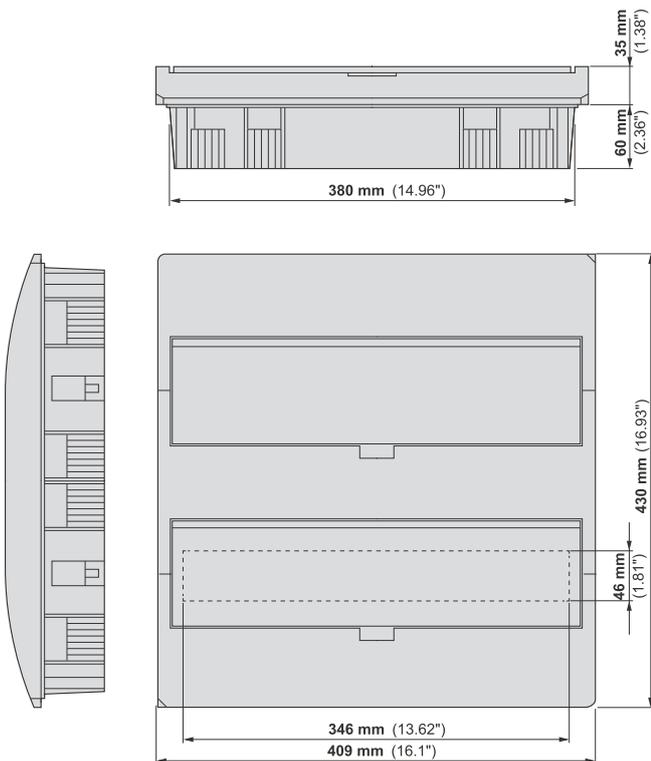
BC-U-3/36....



BC-U-1/18....



BC-U-2/36....



vt15715



vt15315



vt14915



vt14515



## Description

### KLV-...UP and KLV-...HW

- 1- to 4-rows, 12 module units and 2 spare MUs in each row
- Multimedia variants
- Hollow-wall and flush-mounted versions
- Flat and super flat door design
- Integrated spirit level
- 3D plaster compensation
- Neutral and protective conductor terminals
- N-FI expansion terminal (FI = RCD = Residual Current Device)
- Pre-punched cable entries on all sides
- Degree of protection IP30
- Protection class II, totally insulated
- Door and cover frame, sheet steel RAL 9016
- Low halogen level

**KLV flush-mounted/hollow-wall Compact Distribution Boards**

**Type Key**

<b>KLV</b>	-	<b>24</b>	<b>UP</b>	<b>P</b>	-	<b>F</b>
Large DB with large wiring area	-	Module units MU	Type of installation of the wall pan	Design of inside equipment		Design of door and frame
		12	UP = Flush-mounted	P = Plug-type terminal		F = flat
		24	HW= Hollow-wall	S = Screw-type terminal		SF = super-flat
		36		M = Media		
		48				

**System Overview KLV flush-mounted/hollow-wall Compact Distribution Boards**

<b>Compact Distribution Boards Version</b>	<b>Protection class II (totally insulated)</b>	<b>IP30</b>	<b>IEC/EN 62208</b>	<b>IEC/EN 60670-24</b>	<b>RAL 9016</b>
Flush-mounted	■	■	■	■ <sup>3)</sup>	■ <sup>2)</sup>
Hollow-wall	■	■	■	■ <sup>3)</sup>	■ <sup>2)</sup>
Media	■ <sup>1)</sup>	■	■	■	■ <sup>2)</sup>

<sup>1)</sup> To maintain protection class II in media distribution boards, all devices installed must be of the fully insulated type

<sup>2)</sup> Sheet steel door and frame

<sup>3)</sup> Rated current up to 63 A

**More and larger terminal points for practical use <sup>1)</sup>**

<b>Rows / MU</b>	<b>Terminal points per N and PE</b> according to EN 60670-24 (DIN 43871) required		<b>Terminal points per N and PE</b> Eaton KSK terminal (KSK= Combined plug-type terminal)		<b>Terminal points per N and PE</b> Eaton SK terminal (SK = Screw-type terminal)
1 / 12+2	10x 4 mm <sup>2</sup>	2x 16 mm <sup>2</sup>	14x 4 mm <sup>2</sup>	2x 25 mm <sup>2</sup>	13x 0.75-16 mm <sup>2</sup>
2 / 24+4	14x 4 mm <sup>2</sup>	2x 16 mm <sup>2</sup>	14x 4 mm <sup>2</sup>	2x 25 mm <sup>2</sup>	16x 0.75-16 mm <sup>2</sup>
3 / 36+6	17x 4 mm <sup>2</sup>	4x 16 mm <sup>2</sup>	28x 4 mm <sup>2</sup>	4x 25 mm <sup>2</sup>	25x 0.75-16 mm <sup>2</sup>
4 / 48+8	20x 4 mm <sup>2</sup>	4x 16 mm <sup>2</sup>	28x 4 mm <sup>2</sup>	4x 25 mm <sup>2</sup>	25x 0.75-16 mm <sup>2</sup>

<sup>1)</sup> Eaton compact distribution boards can be expanded in a modular way by adding N-FI (RCD) potentials. See Technical Data section for more details.

**Legend KLV flush-mounted/hollow-wall Compact Distribution Boards**

<b>Symbol</b>	<b>Explanation</b>
	Totally insulated, according to EN 60670-24.
	Only for indoor applications.
	Resistance to abnormal heat and fire according to IEC/EN 62208.
	Flush-mounting according to IEC/EN 60670-24.
	Hollow-wall mounting according to IEC/EN 60670-24.
	Multimedia applications in GP universal enclosure according to IEC/EN 60670-24.
	Delivery form for projects, separate ordering and delivery of assemblies.

### Scope of delivery - Overview of Compact Energy Distribution Boards KLV Flush-mounted/Hollow-wall

	vt14915	vt12515	vt15015	vt12615
				
	KLV-...-UPP-...	KLV-...-HWP-...	KLV-...-UPS-...	KLV-...-HWS-...
Wall pan - flush-mounted	■	–	■	–
Wall pan - hollow-wall	–	■	–	■
Spirit level	■	■	■	■
Cable holder	■	■	■	■
Cover for electric shock protection	■	■	■	■
Flange slide	■	■	■	■
Nail straps	■	–	■	–
Hollow-wall anchor	–	■	–	■
DIN rail with crossbar	■	■	■	■
N/PE combined plug-type terminal	■	■	–	–
N/PE screw-type terminal	–	–	■	■
N-FI terminal <sup>1)</sup> (FI = RCD)	■	■	■	■
3D plaster compensation	■	■	■	■
Frame flat/super flat	■	■	■	■
Door flat/super flat	■	■	■	■
Power circuit sticker	■	■	■	■

<sup>1)</sup> Note: Included in the scope of delivery of 2, 3 and 4 row distribution boards

### Scope of delivery - Overview of Compact Media Distribution Boards KLV Flush-mounted/Hollow-wall

	vt14215	vt13915
		
	KLV-...-UPM-...	KLV-...-HWM-...
Wall pan - flush-mounted	■	–
Wall pan - hollow-wall	–	■
Spirit level	■	■
Cable holder	■	■
Cover for electric shock protection	–	–
Flange slide	■	■
Nail straps	■	–
Hollow-wall anchor	–	■
DIN rail (1x)	–	■
Mounting plate with holes prepared for knock-out	■	■
2-fold electricity socket (EURO2)	■	■
3D plaster compensation	■	■
Frame flat/super flat	■	■
Door ventilated	■	■
Connection brackets	■	■

KLV flush-mounted/hollow-wall Compact Distribution Boards, IP30



Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
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**KLV flush-mounted/hollow-wall Compact Distribution Boards, IP30**

**IP30, Flush-mounted, combined plug-type terminal**

- Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3
- N/PE combined plug-type terminal, finger-proof IP2X with combined snap-on and screw-technology, terminal points are easy to add to the carrier, with a separate N-FI terminal block (FI = RCD).
- Self-extinguishing plastic, resistant to abnormal heat and fire up to 650 °C, glow-wire test according to IEC/EN 62208
- Door with frame made of sheet steel, with 3D plaster compensation (compensation possible up to 18 mm), colour RAL 9016, optionally flat (F) or super flat (SF)
- Stable device cover made of plastic, with cut-outs for DIN switchgear and protective devices, 12+2 MU per row, 90° four-point lock, leadsealing is possible, laser-labelled rating plate
- Wall pan made of plastic with integrated spirit level
- DIN rails galvanised, stable design with crossbars, 125 mm distance between rows
- Wiring duct at the side, with cable holder for clearly structured wiring
- Cable insertion slide with pre-punched holes and snap-on fixing
- Door hinges are easy to inverse, hinges for manual handling
- Flat rotary closure of the door, can be replaced by one of the lock versions
- Nail straps for fixing on the wall

**Flush-mounted UPP (combined plug-type terminal KSK)**

	1 / 12+2	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm <sup>2</sup> each and 14x 0.5-4 mm <sup>2</sup> each	flat	KLV-12UPP-F	178798	1/90
			super flat	KLV-12UPP-SF	178799	1/90
	2 / 24+4	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm <sup>2</sup> each and 14x 0.5-4 mm <sup>2</sup> each 1x N-FI single terminal with 1x 2.5-25 mm <sup>2</sup> and 7x 0.5-4 mm <sup>2</sup>	flat	KLV-24UPP-F	178800	1/60
			super flat	KLV-24UPP-SF	178801	1/60
	3 / 36+6	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm <sup>2</sup> each and 28x 0.5-4 mm <sup>2</sup> each with separate N-FI terminal block	flat	KLV-36UPP-F	178802	1/60
			super flat	KLV-36UPP-SF	178803	1/60
	4 / 48+8	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm <sup>2</sup> each and 28x 0.5-4 mm <sup>2</sup> each with separate N-FI terminal block	flat	KLV-48UPP-F	178804	1/45
			super flat	KLV-48UPP-SF	178805	1/45



Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
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### IP30, Hollow-wall, combined plug-type terminal

- Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3
- N/PE combined plug-type terminal, finger-proof IP2X with combined snap-on and screw-technology, terminal points are easy to add to the carrier, with a separate N-FI terminal block (FI = RCD).
- Self-extinguishing plastic, resistant to abnormal heat and fire up to 850 °C, glow-wire test according to IEC/EN 62208
- Door with frame made of sheet steel, with 3D plaster compensation (compensation possible up to 18 mm), colour RAL 9016, optionally flat (F) or super flat (SF)
- Stable device cover made of plastic, with cut-outs for DIN switchgear and protective devices, 12+2 MU per row, 90° four-point lock, leadsealing is possible, laser-labelled rating plate
- Wall pan made of plastic with integrated spirit level
- DIN rails galvanised, stable design with crossbars, 125 mm distance between rows
- Wiring duct at the side, with cable holder for clearly structured wiring
- Cable insertion slide with pre-punched holes and snap-on fixing
- Door hinges are easy to inverse, hinges for manual handling
- Flat rotary closure of the door, can be replaced by one of the lock versions
- Hollow-wall anchor for fixing in a hollow wall

### Hollow-wall mounting HWP (combined plug-type terminal KSK)

	1 / 12+2	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm <sup>2</sup> each and 14x 0.5-4 mm <sup>2</sup> each	flat	KLV-12HWP-F	178806	1/90
			super flat	KLV-12HWP-SF	178807	1/90
	2 / 24+4	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm <sup>2</sup> each and 14x 0.5-4 mm <sup>2</sup> each 1x N-FI single terminal with 1x 2.5-25 mm <sup>2</sup> and 7x 0.5-4 mm <sup>2</sup>	flat	KLV-24HWP-F	178808	1/60
			super flat	KLV-24HWP-SF	178809	1/60
	3 / 36+6	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm <sup>2</sup> each and 28x 0.5-4 mm <sup>2</sup> each with separate N-FI terminal block	flat	KLV-36HWP-F	178810	1/60
			super flat	KLV-36HWP-SF	178811	1/60
	4 / 48+8	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm <sup>2</sup> each and 28x 0.5-4 mm <sup>2</sup> each with separate N-FI terminal block	flat	KLV-48HWP-F	178812	1/45
			super flat	KLV-48HWP-SF	178813	1/45

KLV flush-mounted/hollow-wall Compact Distribution Boards, IP30



Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
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**IP30, Flush-mounted, screw-type terminal**

- Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3
- N/PE screw-type terminal, with electric shock protection, additional terminal points are easy to add
- N-FI (FI = RCD) expansion terminal, comes as a standard feature in distribution boards with 2 to 4 rows, additional N-FI terminals of the accessories range can be added
- Self-extinguishing plastic, resistant to abnormal heat and fire up to 650 °C, glow-wire test according to IEC/EN 62208
- Door with frame made of sheet steel, with 3D plaster compensation (compensation possible up to 18 mm), colour RAL 9016, optionally flat (F) or super flat (SF)
- Stable device cover made of plastic, with cut-outs for DIN switchgear and protective devices, 12+2 MU per row, 90° four-point lock, leadsealing is possible, laser-labelled rating plate
- Wall pan made of plastic with integrated spirit level
- DIN rails galvanised, stable design with crossbars, 125 mm distance between rows
- Wiring duct at the side, with cable holder for clearly structured wiring
- Cable insertion slide with pre-punched holes and snap-on fixing
- Door hinges are easy to inverse, hinges for manual handling
- Flat rotary closure of the door, can be replaced by one of the lock versions
- Nail straps for fixing on the wall

**Flush-mounted UPS (screw-type terminal SK)**

vt15815



1 / 12+2	with 1x N/PE screw-type terminal 13x 0.75-16 mm <sup>2</sup> (N) and 13x 0.75-16 mm <sup>2</sup> (PE)	flat	KLV-12UPS-F	178814	1/90
		super flat	KLV-12UPS-SF	178815	1/90

vt15415



2 / 24+4	with 1x N/PE screw-type terminal 13x 0.75-16 mm <sup>2</sup> (N) and 16x 0.75-16 mm <sup>2</sup> (PE) plus 1x N-FI terminal with 4x 0.75-16 mm <sup>2</sup> each	flat	KLV-24UPS-F	178816	1/60
		super flat	KLV-24UPS-SF	178817	1/60

vt15015



3 / 36+6	with 2x N/PE screw-type terminal 25x 0.75-16 mm <sup>2</sup> (N) and 25x 0.75-16 mm <sup>2</sup> (PE) plus 1x N-FI terminal with 4x 0.75-16 mm <sup>2</sup> each	flat	KLV-36UPS-F	178818	1/60
		super flat	KLV-36UPS-SF	178819	1/60

vt14615



4 / 48+8	with 2x N/PE screw-type terminal 25x 0.75-16 mm <sup>2</sup> (N) and 25x 0.75-16 mm <sup>2</sup> (PE) plus 1x N-FI terminal with 4x 0.75-16 mm <sup>2</sup> each	flat	KLV-48UPS-F	178820	1/45
		super flat	KLV-48UPS-SF	178821	1/45



Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
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### IP30, Hollow-wall, screw-type terminal

- Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3
- N/PE screw-type terminal, with electric shock protection, additional terminal points are easy to add
- N-FI (FI = RCD) expansion terminal, comes as a standard feature in distribution boards with 2 to 4 rows, additional N-FI terminals of the accessories range can be added
- Self-extinguishing plastic, resistant to abnormal heat and fire up to 850 °C, glow-wire test according to IEC/EN 62208
- Door with frame made of sheet steel, with 3D plaster compensation (compensation possible up to 18 mm), colour RAL 9016, optionally flat (F) or super flat (SF)
- Stable device cover made of plastic, with cut-outs for DIN switchgear and protective devices, 12+2 MU per row, 90° four-point lock, leadsealing is possible, laser-labelled rating plate
- Wall pan made of plastic with integrated spirit level
- DIN rails galvanised, stable design with crossbars, 125 mm distance between rows
- Wiring duct at the side, with cable holder for clearly structured wiring
- Cable insertion slide with pre-punched holes and snap-on fixing
- Door hinges are easy to inverse, hinges for manual handling
- Flat rotary closure of the door, can be replaced by one of the lock versions
- Hollow-wall anchor for fixing in a hollow wall

### Hollow-wall mounting HWS (screw-type terminal SK)

vt13415



1 / 12+2	with 1x N/PE screw-type terminal 13x 0.75-16 mm <sup>2</sup> (N) and 13x 0.75-16 mm <sup>2</sup> (PE)	flat	KLV-12HWS-F	178822	1/90
		super flat	KLV-12HWS-SF	178823	1/90

vt13015



2 / 24+4	with 1x N/PE screw-type terminal 13x 0.75-16 mm <sup>2</sup> (N) and 16x 0.75-16 mm <sup>2</sup> (PE) plus 1x N-FI terminal with 4x 0.75-16 mm <sup>2</sup> each	flat	KLV-24HWS-F	178824	1/60
		super flat	KLV-24HWS-SF	178825	1/60

vt12615



3 / 36+6	with 2x N/PE screw-type terminal 25x 0.75-16 mm <sup>2</sup> (N) and 25x 0.75-16 mm <sup>2</sup> (PE) plus 1x N-FI terminal with 4x 0.75-16 mm <sup>2</sup> each	flat	KLV-36HWS-F	178826	1/60
		super flat	KLV-36HWS-SF	178827	1/60

vt12215



4 / 48+8	with 2x N/PE screw-type terminal 25x 0.75-16 mm <sup>2</sup> (N) and 25x 0.75-16 mm <sup>2</sup> (PE) plus 1x N-FI terminal with 4x 0.75-16 mm <sup>2</sup> each	flat	KLV-48HWS-F	178828	1/45
		super flat	KLV-48HWS-SF	178829	1/45

KLV flush-mounted/hollow-wall Compact Distribution Boards, IP30

Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
<b>Flush-mounting, without terminals</b>					
1 / 12+2	With DIN rail structure, door with	super flat	KLV-12UP-SF	184797	1/90
2 / 24+4	door frame, stable device cover,	super flat	KLV-24UP-SF	184798	1/60
3 / 36+6	terminal holder	super flat	KLV-36UP-SF	184799	1/60
4 / 48+8		super flat	KLV-48UP-SF	184800	1/45

4500PIC-19



Technical data same as full-equipped KLV.

**Hollow-wall mounting, without terminals**

1 / 12+2	With DIN rail structure, door with	super flat	KLV-12HW-SF	184801	1/90
2 / 24+4	door frame, stable device cover,	super flat	KLV-24HW-SF	184802	1/60
3 / 36+6	terminal holder	super flat	KLV-36HW-SF	184803	1/60
4 / 48+8		super flat	KLV-48HW-SF	184804	1/45

4500PIC-17



Technical data same as full-equipped KLV.

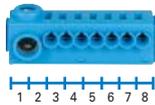
**Technical Data**

<b>KLV</b>	
<b>Electrical</b>	
Version according to	IEC/EN 62208; IEC/EN 60670-24
Degree of protection	IP30 (IK05) according to EN 60529
Protection class	II, totally insulated
Rated voltage	400 V AC
Insulation voltage	1000 V AC
Max. power loss admitted for all devices installed in the distribution board, at a difference in temperature of 35 °K:	
1/12+2	21 W
2/24+4	34 W
3/36+6	43 W
4/48+8	48 W
<b>Mechanical</b>	
Material	
Enclosure	Polystyrole
Door/frame	Sheet steel, powder-coated with corrosion protection
Colour	
Enclosure	white RAL 9016
Door/frame	white RAL 9016
Distance between rows	125 mm
Support rail for devices	DIN rail 35 x 7.5 mm, galvanized sheet steel
UV resistant	no
Glow-wire test	850 °C (hollow-wall), 650 °C (flush-mounted)
Type of installation	
KLV-...-UP...	Indoor
KLV-...-HW...	Indoor
in areas exposed to a risk of fire	no
Halogen-free, RoHs	<1%, yes
<b>Metrical or pre-punched holes prepared for knock-out</b>	
1/12+2	Top/bottom: Pre-punched Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each
2/24+4	Top/bottom: Pre-punched Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each
3/36+6	Top/bottom: Pre-punched Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each
4/48+8	Top/bottom: Pre-punched Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each

**Technical Data - Terminals**

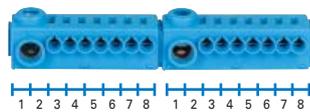
**KSK-N, KSK-PE, configuration examples**

vt25115



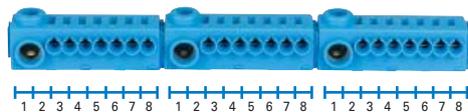
**1x KSK-N (PE)**

vt25215



**2x KSK-N (PE)**

vt25315



**3x KSK-N (PE)**

vt25415



**4x KSK-N (PE)**

vt119114



**KSK-KLV**

**Cross sections of connections and other important information**

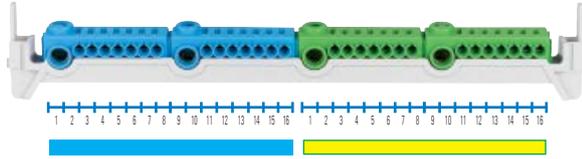
- Per block 1x screw-type connection for 2.5-25 mm<sup>2</sup> (single-wired/multiwired) or 2.5-16 mm<sup>2</sup> (fine-wired with professionally pressed wire end sleeve).
- Per block 7x plug-type connection for 0.5-4 mm<sup>2</sup> (single-wired/multiwired or fine-wired with professionally pressed wire end sleeve).
- The tightening torque [Nm] of the screw connection is indicated on the terminal enclosure.
- Minimum connection length in case of a plug-type connection is indicated on the terminal enclosure.
- Max. electrical load 63 A / 400 V AC
- Degree of protection IP2X

- High safety level thanks to finger-proof plastic encapsulation, degree of protection IP2X
- N potential in blue colour, protective-conductor potential in green colour
- Modular as the additional block can be plugged onto the terminal carrier without any tools to provide additional separate RCD protective circuits. Up to 4 blocks per terminal carrier, up to 4 terminal carriers in each distribution board.
- Separate blocks can be interlinked using cable links.
- We recommend 4 mm<sup>2</sup> (rigid or flexible with wire end sleeve).
- Vertical offset for terminal carriers in the distribution board to provide easy access to the connections and easy snap-on in the distribution board.

### Technical Data - Terminals

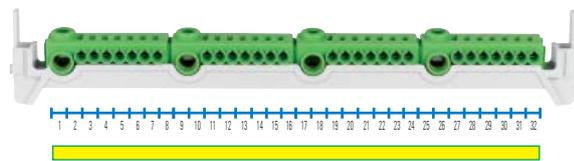
#### KSK-... included in the scope of delivery of the distribution board KLV-...UPP (HWP)

vi24915



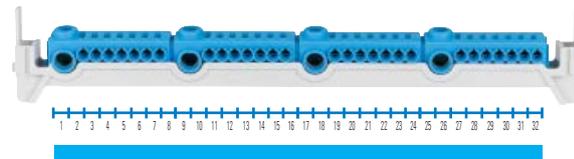
**KSK-2N/2PE-KLV**

vi25015



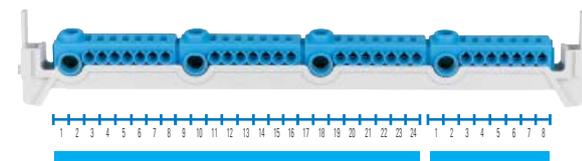
**KSK-4PE-KLV**

vi24815



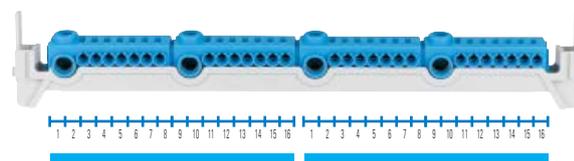
**KSK-4N-KLV**

vi24815



**KSK-3N/1N-KLV**

vi24815



**KSK-2N/2N-KLV**

#### Cross sections of connections and other important information

##### KSK-2N/2PE-KLV

- Per potential 2x screw-type connection for 2.5-25 mm<sup>2</sup> (single-wired/multiwired) or 2.5-16 mm<sup>2</sup> (fine-wired with professionally pressed wire end sleeve) as well as 14x plug-type connection for 0.5-4 mm<sup>2</sup> (single-wired/multiwired or fine-wired with professionally pressed wire end sleeve).

##### KSK-4N..., KSK-3N/1N..., KSK-2N/2N..., KSK-4PE...

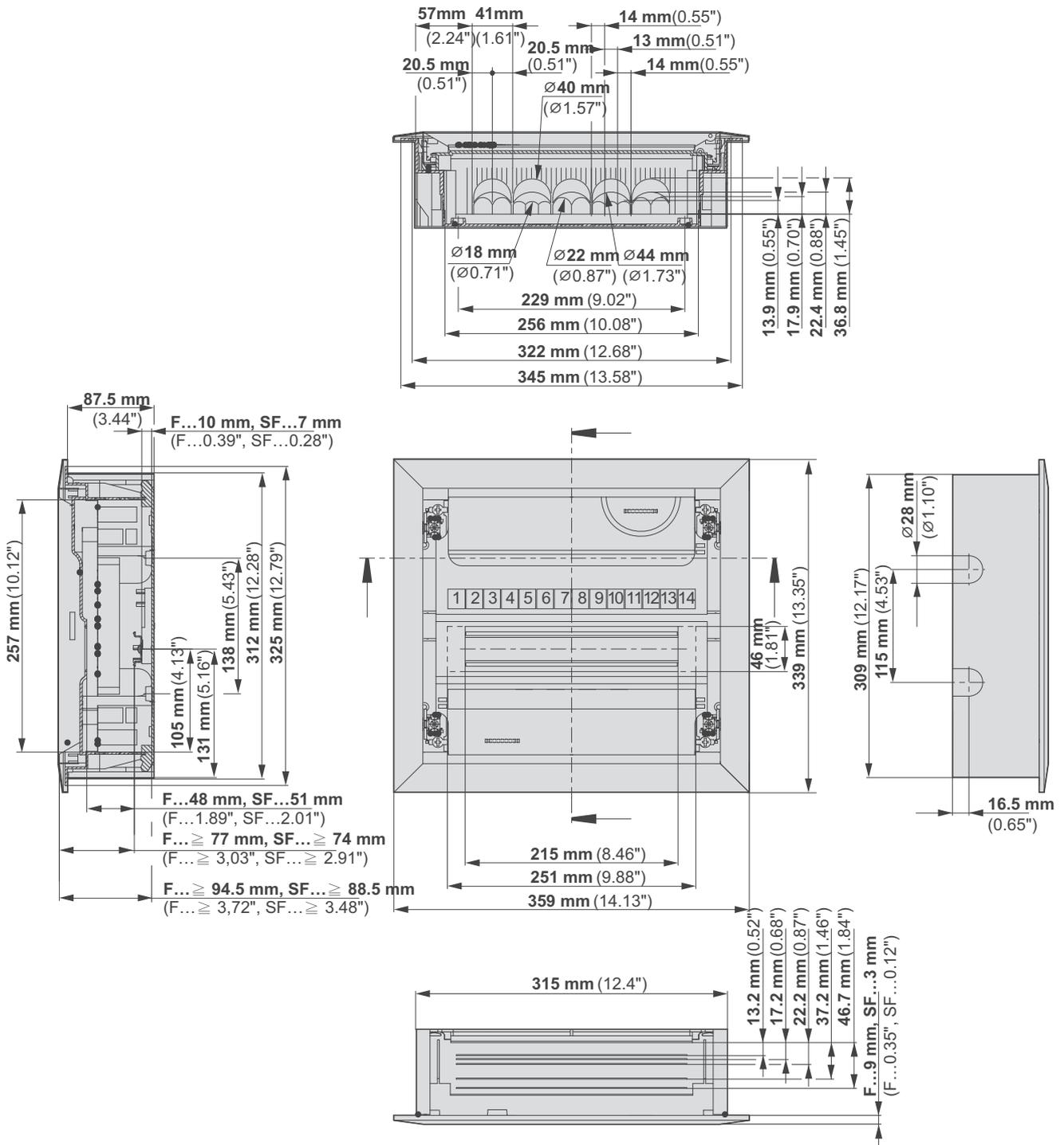
- Per block 1x screw-type connection for 2.5-25 mm<sup>2</sup> (single-wired/multiwired) or 2.5-16 mm<sup>2</sup> (fine-wired with professionally pressed wire end sleeve), as well as 7x plug-type connection for 0.5-4 mm<sup>2</sup> (single-wired/multiwired or fine-wired with professionally pressed wire end sleeve).

- The tightening torque [Nm] of the screw connection is indicated on the terminal enclosure.
- Minimum connection length in case of a plug-type connection is indicated on the terminal enclosure.
- Max. electrical load 63 A / 400 V AC
- Degree of protection IP2X

- High safety level thanks to finger-proof plastic encapsulation, degree of protection IP2X
- N potential in blue colour, protective-conductor potential in green colour
- Vertical offset for terminal carriers in the distribution board to provide easy access to the connections and easy snap-on in the distribution board.

Dimensions (mm)

KLV-12...



# 1.32

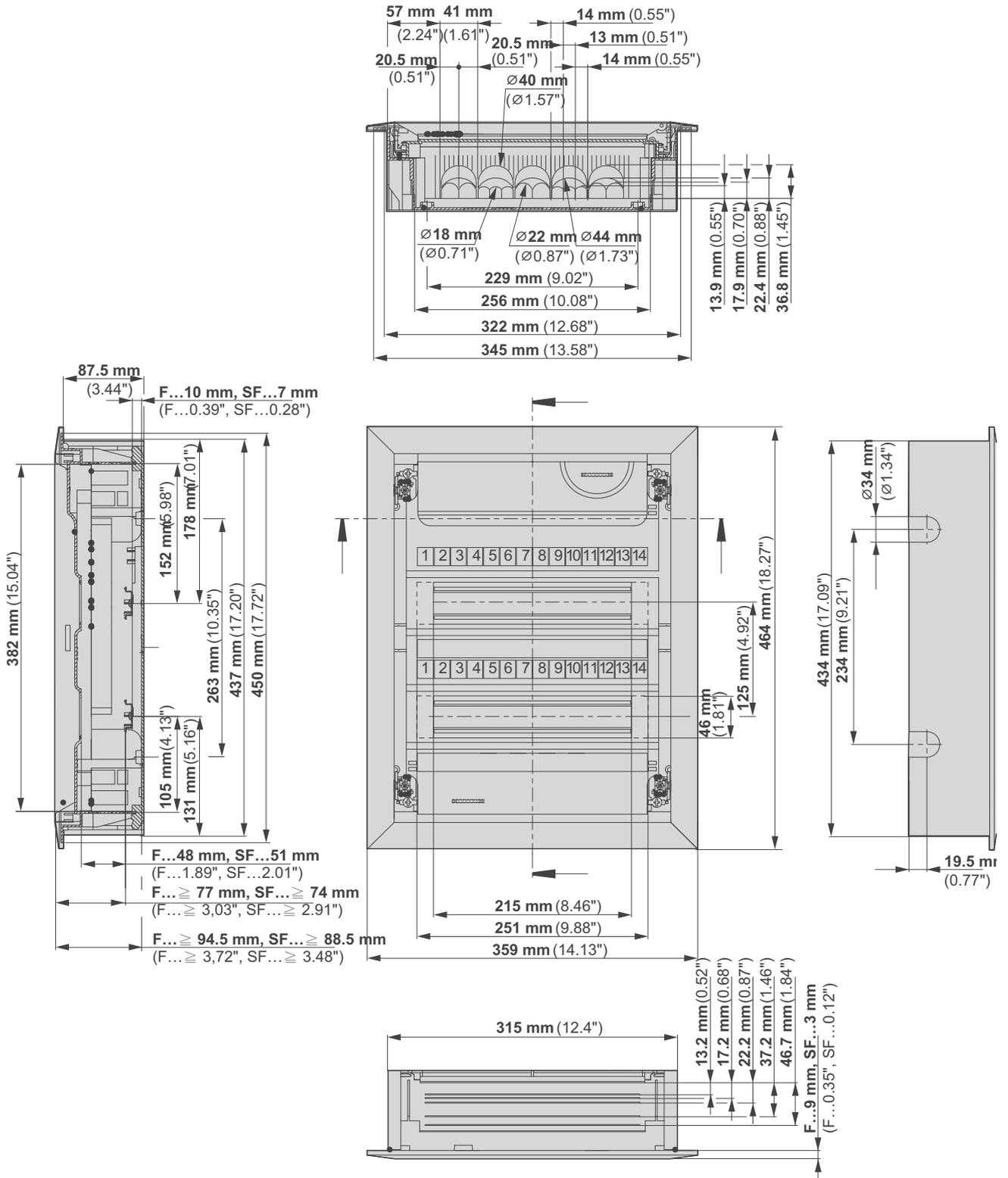
## Compact Distribution Boxes

xComfort

KLV flush-mounted/hollow-wall Compact Distribution Boards, IP30

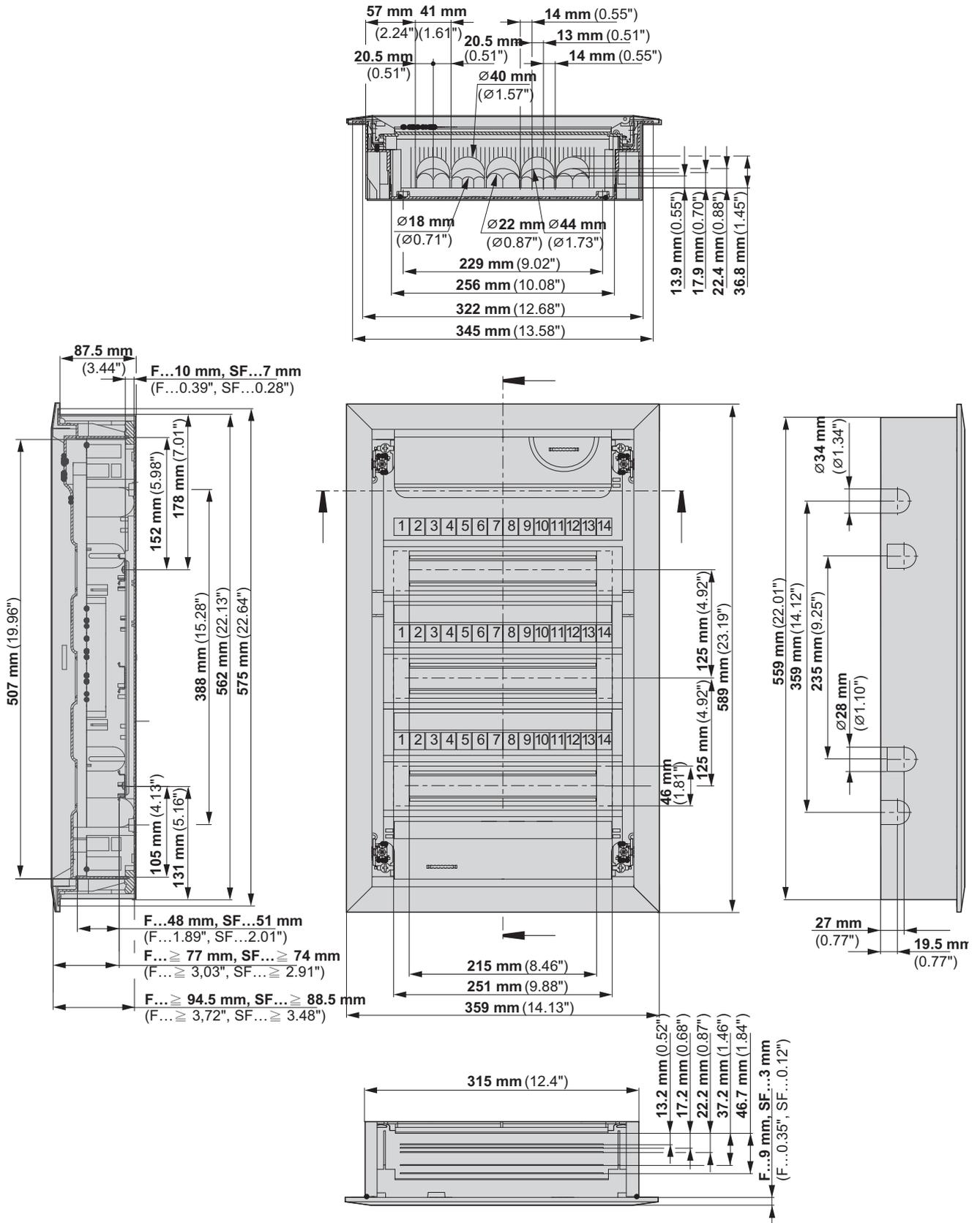
### Dimensions (mm)

KLV-24...



Dimensions (mm)

KLV-36...



# 1.34

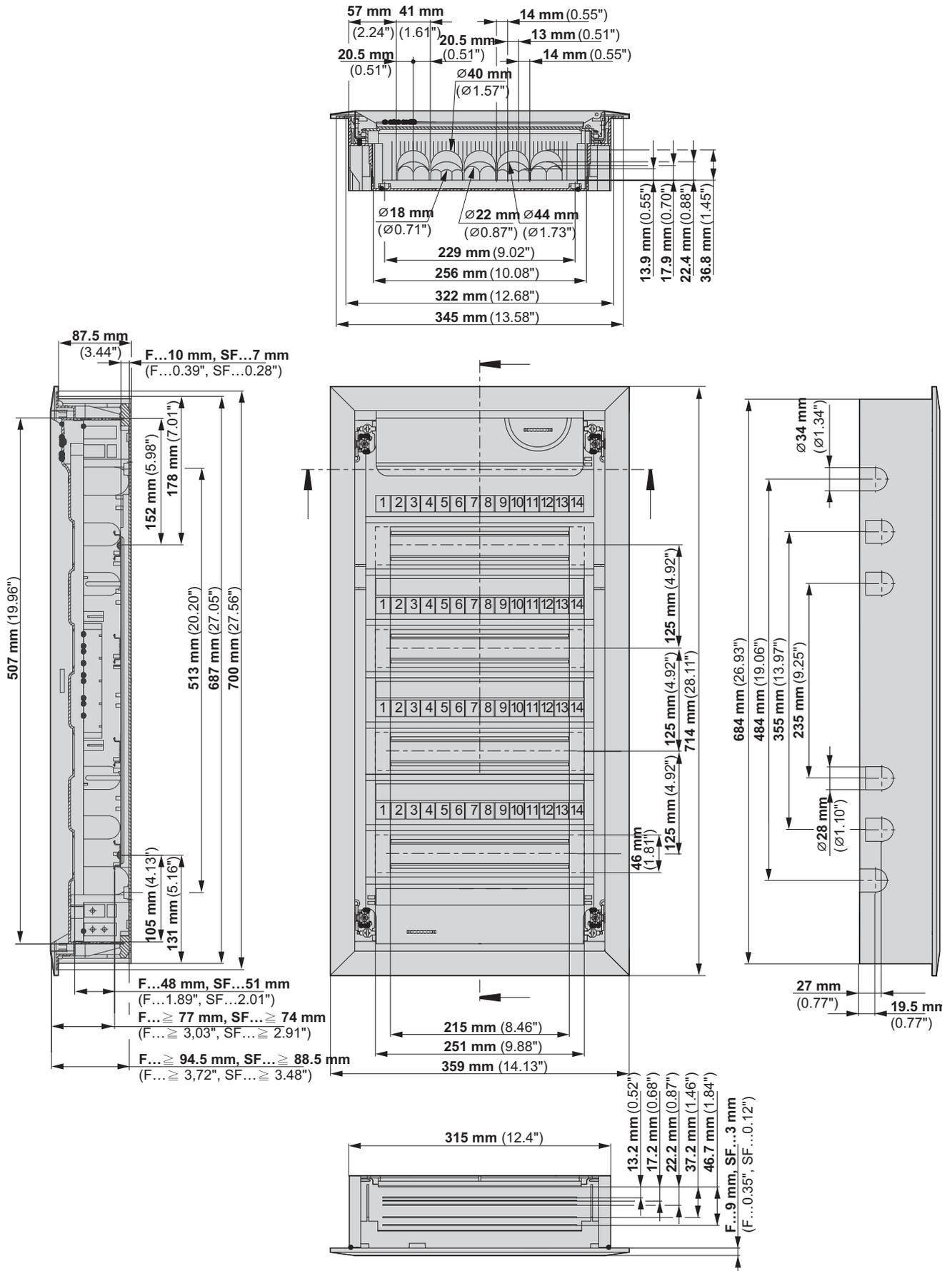
## Compact Distribution Boxes

xComfort

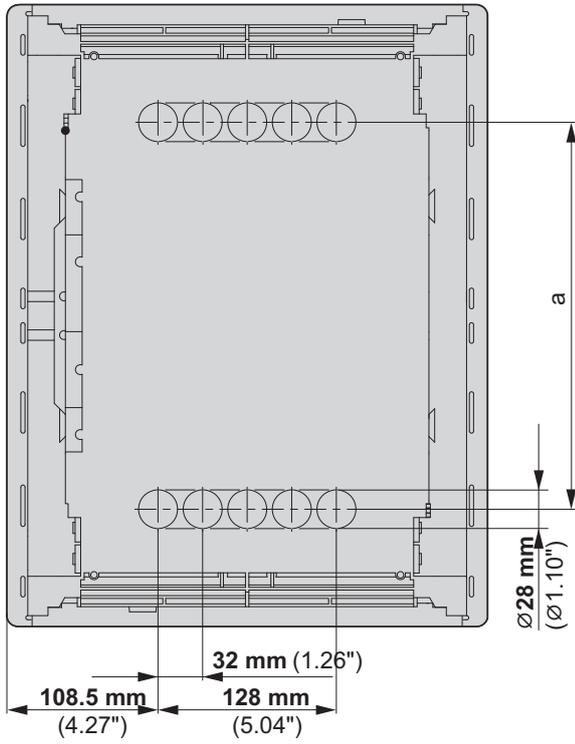
KLV flush-mounted/hollow-wall Compact Distribution Boards, IP30

### Dimensions (mm)

KLV-48...



Dimensions (mm)



Type	a [mm]	a ["]
KLV-12...	155	6.10
KLV-24...	280	11.02
KLV-36...	405	15.94
KLV-48...	530	20.87

VT25314



VT24814



VT24614



## Description

### IKA...-UV ; IKA...-ST and IKA...-OT

- Degree of protection IP65
- Protection class II, totally insulated
- Industrial version (PC) or PRO/Standard version (ABS)
- 1- to 3-rows, 12 and 18 module units
- Mini module with 4, 6 and 8 module units
- Glow wire test 850 °C or 650 °C
- CNC foamed sealing
- Fully removable DIN support rack
- Up to 46 mm wiring area under the DIN rail
- Module tolerance compensation in the cover
- Possibility of direct fixing on the wall
- Depth-adjustable DIN rail
- Neutral and protective conductor terminals
- Fast and easy inversion of the door hinges
- Pre-punched metric areas for cable entries
- Intuitive locking and unlocking of the door
- Body RAL 7035, door transparent
- Halogen-free

**IKA surface-mounted Compact Distribution Boxes**

**Type Key**

<b>IKA</b>	<b>-</b>	<b>2</b>	<b>/</b>	<b>24</b>	<b>S</b>	<b>T</b>	<b>-</b>	<b>UV</b>
Insulation material- Compact Distribution Boxes Surface-mounted		Rows Number		Module units MU	Version Indoor	Version Door		Material
		1		4	S = Screw-type terminal	T = transparent		UV = UV resistant
		2		6	O = without terminal	R = RAL		„ - “ = standard
		3		8				
				12				
				24				
				36				
				18				
				36				
				54				

**System Overview IKA surface-mounted Compact Distribution Boxes**

<b>Compact Distribution Boxes Version</b>	<b>Protection class II (totally insulated)</b>	<b>Complies with European Standard EN 62208</b>	<b>IP65</b>	<b>RAL 7035</b>	<b>N/PE terminals</b>	<b>Doors transparent</b>	<b>Outdoor (UV resistant, ISO 4892-2)</b>
Industrial	■	■ <sup>1)</sup>	■	■ <sup>2)</sup>	■	■ <sup>3)</sup>	■ <sup>4)</sup>
Professional	■	■ <sup>1)</sup>	■	■ <sup>2)</sup>	■	■	—
Standard	■	■ <sup>1)</sup>	■	■ <sup>2)</sup>	—	■	—

<sup>1)</sup> Pre-requisite for building distribution boxes from empty enclosures according to IEC/EN 61439-3

<sup>2)</sup> Body and cover frame, door is transparent

<sup>3)</sup> Doors non-transparent in RAL7035 available upon request

<sup>4)</sup> Eaton nevertheless recommends not to expose the product to direct solar radiation

**Legend IKA surface-mounted Compact Distribution Boxes**

Symbol	Explanation
	Totally insulated, according to EN 60670-24.
	Only for indoor applications.
	For indoor applications and outdoor applications. Outdoor use under canopy is recommended.
	Resistance to abnormal heat and fire according to IEC/EN 62208.
	Final product UV resistant according to ISO 4892-2.

### Scope of delivery - Overview of IKA surface-mounted Compact Distribution Boxes



	IKA-...- <b>UV</b> (Industrial)	IKA-...- <b>ST</b> (Professional)	IKA-...- <b>OT</b> (Standard)
Bottom part (PC)	■	–	–
Bottom part (ABS)	–	■	■
Cover frame (PC)	■	–	–
Cover frame (ABS)	–	■	■
Door (PC)	■	■	■
Removable DIN support rack	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>
N/PE screw-type terminal IP2X	■	■	–
Cover for spare areas 6 MU	■	■	–
Closing screws, sealable	■	■	■
Closing caps	■	■	■
Labelling of power circuits	■	■	■

<sup>1)</sup> For compact distribution boxes containing several rows only

PC: Polycarbonate

ABS: Acrylonitrile butadiene styrene



Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
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**IKA-...UV Compact Distribution Boxes, Industrial**

**IP65 (IK08)**

- Surface-mounted
- Protection class II, totally insulated
- Industrial version completely made of high-quality polycarbonate, UV resistant according to ISO 4892-2
- 1- to 3-rows, 12 and 18 module units
- Mini module with 4, 6 and 8 module units
- Fully removable DIN support rack in distribution boxes containing several rows
- Up to 46 mm space under the DIN rail to allow for convenient laying of the cables
- Module tolerance compensation integrated in the cover frame
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure
- Depth-adjustable DIN rail, 150 mm distance between the rows
- Neutral and protective conductor terminals, IP2X protection against insertion of fingers, with solid screw-technology
- Fast and easy inversion of the door hinges
- Side panels with pre-punched metric areas for cable entries
- Intuitive locking and unlocking of doors, cylinder lock optionally with accessories
- Body RAL 7035, door transparent
- Glow wire test 850 °C
- Halogen-free

**Mini**

VT25314, VT24414



1 / 4	with 1x N/PE screw-type terminal 3x 6 + 1x 10 mm <sup>2</sup> each and 1x 35 mm <sup>2</sup> each	transparent	IKA-1/4-ST-UV	174187	1
		RAL	IKA-1/4-SR-UV <sup>1)</sup>	174212	1

VT25214, VT24314



1 / 6	with 1x N/PE screw-type terminal 3x 6 + 1x 10 mm <sup>2</sup> each and 1x 35 mm <sup>2</sup> each	transparent	IKA-1/6-ST-UV	174188	1
		RAL	IKA-1/6-SR-UV <sup>1)</sup>	174213	1

VT25114, VT24114



1 / 8	with 1x N/PE screw-type terminal 5x 6 + 3x 10 mm <sup>2</sup> each and 1x 35 mm <sup>2</sup> each	transparent	IKA-1/8-ST-UV	174189	1
		RAL	IKA-1/8-SR-UV <sup>1)</sup>	174214	1

**12 MUs per row**

VT25014, VT24214



1 / 12	with 1x N/PE screw-type terminal 6x 6 + 6x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-1/12-ST-UV	174190	1
		RAL	IKA-1/12-SR-UV <sup>1)</sup>	174215	1

VT24814, VT24014



2 / 24	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-2/24-ST-UV	174191	1
		RAL	IKA-2/24-SR-UV <sup>1)</sup>	174216	1

VT24614, VT23814



3 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-3/36-ST-UV	174192	1
		RAL	IKA-3/36-SR-UV <sup>1)</sup>	174217	1

<sup>1)</sup> Available upon request

# 1.40

## Compact Distribution Boxes

xComfort

IKA surface-mounted Compact Distribution Boxes, IP65



	Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
<b>18 MUs per row</b>						
	1 / 18	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-1/18-ST-UV	174193	1
			RAL	IKA-1/18-SR-UV <sup>1)</sup>	174218	1
	2 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-2/36-ST-UV	174194	1
			RAL	IKA-2/36-SR-UV <sup>1)</sup>	174219	1
	3 / 54	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-3/54-ST-UV	174195	1
			RAL	IKA-3/54-SR-UV <sup>1)</sup>	174220	1

<sup>1)</sup> Available upon request



Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
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**IKA-...ST Compact Distribution Boxes, Professional**

**IP65 (IK08)**

- Surface-mounted
- Protection class II, totally insulated
- Professional version: Body made of ABS, door made of polycarbonate
- 1- to 3-rows, 12 and 18 module units
- Mini module with 4, 6 and 8 module units
- Neutral and protective conductor terminals, IP2X protection against insertion of fingers, with solid screw-technology
- Fully removable DIN support rack in distribution boxes containing several rows
- Up to 46 mm space under the DIN rail to allow for convenient laying of the cables
- Module tolerance compensation integrated in the cover frame
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure
- Depth-adjustable DIN rail, 150 mm distance between the rows
- Fast and easy inversion of the door hinges
- Side panels with pre-punched metric areas for cable entries
- Intuitive locking and unlocking of doors, cylinder lock optionally with accessories
- Body RAL 7035, door transparent
- Glow wire test 650 °C
- Halogen-free

**Mini**

VT25314



1 / 4	with 1x N/PE screw-type terminal 3x 6 + 1x 10 mm <sup>2</sup> each and 1x 35 mm <sup>2</sup> each	transparent	IKA-1/4-ST	174221	1
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VT25214



1 / 6	with 1x N/PE screw-type terminal 3x 6 + 1x 10 mm <sup>2</sup> each and 1x 35 mm <sup>2</sup> each	transparent	IKA-1/6-ST	174222	1
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VT25114



1 / 8	with 1x N/PE screw-type terminal 5x 6 + 3x 10 mm <sup>2</sup> each and 1x 35 mm <sup>2</sup> each	transparent	IKA-1/8-ST	174196	1
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**12 MUs per row**

VT25014



1 / 12	with 1x N/PE screw-type terminal 6x 6 + 6x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-1/12-ST	174197	1
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VT24814



2 / 24	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-2/24-ST	174198	1
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VT24614



3 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-3/36-ST	174199	1
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<sup>1)</sup> Available upon request

# 1.42

## Compact Distribution Boxes

xComfort

IKA surface-mounted Compact Distribution Boxes, IP65



	Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
<b>18 MUs per row</b>						
VT24914 	1 / 18	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-1/18-ST	174200	1
VT24714 	2 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-2/36-ST	174201	1
VT24514 	3 / 54	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm <sup>2</sup> each and 1x 25 + 1x 35 mm <sup>2</sup> each	transparent	IKA-3/54-ST	174202	1

<sup>1)</sup> Available upon request



Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
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**IKA-...OT Compact Distribution Boxes, Standard**

**IP65 (IK08)**

- Surface-mounted
- Protection class II, totally insulated
- Standard version: Body made of ABS, door made of polycarbonate
- No neutral and protective conductor terminals, no cover for spare areas
- 1- to 3-rows, 12 and 18 module units
- Mini module with 4, 6 and 8 module units
- Fully removable DIN support rack in distribution boxes containing several rows
- Up to 46 mm space under the DIN rail to allow for convenient laying of the cables
- Module tolerance compensation integrated in the cover frame
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure
- Depth-adjustable DIN rail, 150 mm distance between the rows
- Fast and easy inversion of the door hinges
- Side panels with pre-punched metric areas for cable entries
- Intuitive locking and unlocking of doors, cylinder lock optionally with accessories
- Body RAL 7035, door transparent
- Glow wire test 650 °C
- Halogen-free

**Mini**

VT25314



1 / 4	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/4-OT	174203	1
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VT25214



1 / 6	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/6-OT	174204	1
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VT25114



1 / 8	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/8-OT	174205	1
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**12 MUs per row**

VT25014



1 / 12	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/12-OT	174206	1
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VT24814



2 / 24	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-2/24-OT	174207	1
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VT24614



3 / 36	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-3/36-OT	174208	1
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<sup>1)</sup> Available upon request

# 1.44

## Compact Distribution Boxes

xComfort

IKA surface-mounted Compact Distribution Boxes, IP65



	Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
<b>18 MUs per row</b>						
VT24914 	1 / 18	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/18-OT	174209	1
VT24714 	2 / 36	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-2/36-OT	174210	1
VT24514 	3 / 54	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-3/54-OT	174211	1

<sup>1)</sup> Available upon request

**Technical Data**

<b>IKA</b>	
<b>Electrical</b>	
Version according to	IEC/EN 62208; IEC/EN 60670-24
Degree of protection	IP65 (IK08) according to EN 60529
Protection class	II, totally insulated
Rated voltage	415 V AC
Insulation voltage	1000 V AC, 1500 V DC
Max. power loss admitted for all devices installed in the distribution box, at a difference in temperature of 25 °K:	
1/4	14.7 W
1/6	16.5 W
1/8	18.7 W
1/12	26.0 W
2/24	39.1 W
3/36	49.2 W
1/18	35.3 W
2/36	47.6 W
3/54	59.6 W
<b>Mechanical</b>	
Material	
Enclosure	Polycarbonate (Industry), ABS (Professional, Standard)
Door	Polycarbonate
Colour	
Enclosure	grey RAL 7035
Door	transparent; grey RAL 7035
Distance between rows	150 mm
Support rail for devices	DIN rail 35 x 7.5 mm, galvanized sheet steel
UV resistant	all IKA...-UV resistant according to ISO 4892-2
Type of installation	
IKA-...-UV	Indoor or Outdoor, under canopy, surface-mounted
IKA-...-ST	Indoor, surface-mounted
IKA-...-OT	Indoor, surface-mounted
Halogen-free, RoHs	yes
<b>Pre-punched metric areas</b>	
IKA-1/4....., IKA-1/6.....	Top: 2xM25 + 1xM40 Bottom: 2xM25 + 1xM40 Rear panel: 2x(2xM25)
IKA-1/8.....	Top: 4xM25 + 1xM40 Bottom: 4xM25 + 1xM40 Rear panel: 2x(2xM25)
IKA-1/12.....	Top: 6xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 6xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)
IKA-2/24.....	Top: 6xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 6xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)
IKA-3/36.....	Top: 6xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 6xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)
IKA-1/18....., IKA-2/36....., IKA-3/54.....	Top: 12xM20 + 6xM25 + 2xM32 + 1xM40 Bottom: 12xM20 + 6xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)

**Max. connection cross-sections and assembly of the N/PE screw terminals**

	N [mm <sup>2</sup> ]	PE [mm <sup>2</sup> ]
IKA-1/4....	3x 2.5-6 + 1x 4-10+ 1x 16-35	3x 2.5-6 + 1x 4-10+ 1x 16-35
IKA-1/6....	3x 2.5-6 + 1x 4-10+ 1x 16-35	3x 2.5-6 + 1x 4-10+ 1x 16-35
IKA-1/8....	5x 2.5-6 + 3x 4-10+ 1x 16-35	5x 2.5-6 + 3x 4-10+ 1x 16-35
IKA-1/12....	6x 2.5-6 + 6x 4-10+ 1x 10-25+ 1x 16-35	6x 2.5-6 + 6x 4-10+ 1x 10-25+ 1x 16-35
IKA-2/24....	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35
IKA-3/36....	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35
IKA-1/18....	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35
IKA-2/36....	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35
IKA-3/54....	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35

Note: Tightening torque values [Nm] of the N/PE screw terminals are directly indicated on the terminal enclosure.

VT33716



VT34016



## Description

### IKA-...-C

- Degree of protection IP65
- Protection class II, totally insulated
- Plastic ABS
- 1-row, 12 and 18 module units
- Glow wire test 650 °C
- CNC foamed sealing
- Up to 46 mm wiring area under the DIN rail
- Module tolerance compensation in the cover
- Possibility of direct fixing on the wall
- Depth-adjustable DIN rail
- Neutral and protective conductor terminals
- Fast and easy inversion of the door hinges
- Pre-punched metric areas for cable entries
- Intuitive locking and unlocking of the door
- Individual assembly with RMQ command and signaling devices and socket outlets
- Body RAL 7035, door transparent
- Halogen-free

### IKA-C surface-mounted Compact Distribution Boxes

#### Type Key

IKA-C	-	1	/	12	S	T	-	X
Insulation material-Compact Distribution Boxes Surface-mounted		Rows Number		Module units MU	Version Indoor	Version Door	-	Version Connect Plate
		1		12	S = Screw-type terminal	T = transparent		X = free mounting option
				18				LID = splitted mounting option

### System Overview IKA-C surface-mounted Compact Distribution Boxes

Compact Distribution Boxes Version	Protection class II (totally insulated)	Complies with European Standard EN 62208	IP65	RAL 7035	N/PE terminals	Doors transparent
Professional	■	■ <sup>1)</sup>	■	■ <sup>2)</sup>	■	■

<sup>1)</sup> Pre-requisite for building distribution boxes from empty enclosures according to IEC/EN 61439-3

<sup>2)</sup> Body and cover frame, door is transparent

### Scope of delivery - Overview of IKA-C surface-mounted Compact Distribution Boxes

VT34016



IKA-C-...-X

VT33716



IKA-C-...-LID

Bottom part (PC)	-	-
Bottom part (ABS)	■	■
Cover frame (PC)	-	-
Cover frame (ABS)	■	■
Door (PC)	■	■
Removable DIN rail	■	■
N/PE screw-type terminal IP2X	■	■
Cover for spare areas	■	■
Closing screws, sealable	■	■
Closing caps	■	■
Labelling of power circuits	■	■
Complete connection plate	■	-
Splited connection plate	-	■

PC: Polycarbonate

ABS: Acrylonitrile butadiene styrene

Rated Voltage: 1000 V AC, 1500 V DC



Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
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**IKA-C surface-mounted Compact Distribution Boxes, IP65**

**IP65 (IK08)**

- Surface-mounted
- Protection class II, totally insulated
- Body manufactured from ABS, door made of polycarbonate
- 1-row, 12 and 18 module units
- Fully removable DIN rail
- Up to 46 mm space under the DIN rail to allow for convenient laying of the cables
- Module tolerance compensation integrated in the cover frame
- Possibility of direct fixing on the wall, no need to drill holes into the enclosure
- Depth-adjustable DIN rail
- Mounting possibilities of SCHUKO socket outlets, CEE socket outlets, emergency stop switches, etc.
- Neutral and protective conductor terminals, IP2X protection against insertion of fingers, with solid screw-technology
- Fast and easy inversion of the door hinges
- Side panels with pre-punched metric areas for cable entries
- Intuitive locking and unlocking of doors, cylinder lock optionally with accessories
- Body RAL 7035, door transparent
- Glow wire test 650 °C
- Halogen-free

VT34016



1 / 12	with 1x N/PE screw-type terminal 6x 4.5 + 6x 5.5 mm <sup>2</sup> each and 1x 7.5 + 1x 8.5 mm <sup>2</sup> each, without connection plate	transparent	IKA-C-1/12-ST-X	187356	1
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VT33916



1 / 12	with 1x N/PE screw-type terminal 6x 4.5 + 6x 5.5 mm <sup>2</sup> each and 1x 7.5 + 1x 8.5 mm <sup>2</sup> each, with individually replaceable connection plate	transparent	IKA-C-1/12-ST-LID	187357	1
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VT33816



1 / 18	with 1x N/PE screw-type terminal 8x 4.5 + 8x 5.5 mm <sup>2</sup> each and 1x 7.5 + 1x 8.5 mm <sup>2</sup> each, without connection plate	transparent	IKA-C-1/18-ST-X	187351	1
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vt33716



1 / 18	with 1x N/PE screw-type terminal 8x 4.5 + 8x 5.5 mm <sup>2</sup> each and 1x 7.5 + 1x 8.5 mm <sup>2</sup> each, with individually replaceable connection plate	transparent	IKA-C-1/18-ST-LID	187352	1
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## Technical Data

		IKA-C
<b>Electrical</b>		
Version according to		IEC/EN 62208; IEC/EN 60670-24
Degree of protection		IP65 (IK08) according to EN 60529
Protection class		II, totally insulated
Rated voltage		415 V AC
Insulation voltage		1000 V AC, 1500 V DC
Max. power loss admitted for all devices installed in the distribution box, at a difference in temperature of 25 °K:		
1/12		39.1 W
1/18		47.6 W
<b>Mechanical</b>		
Material		
Enclosure		ABS
Door		Polycarbonate
Colour		
Enclosure		grey RAL 7035
Door		transparent
Support rail for devices		DIN rail 35 x 7.5 mm, galvanized sheet steel
UV resistant		all IKA...-UV resistant according to ISO 4892-2
Type of installation		Indoor
Halogen-free, RoHs		yes
<b>Pre-punched metric areas</b>		
IKA-C-1/12...		Top: 8xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 6xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 1xM25 + 1xM32 + 1xM25
IKA-C-1/18...		Top: 12xM20 + 6xM25 + 2xM32 + 1xM40 Bottom: 12xM20 + 6xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 1xM25 + 1xM32 + 1xM25

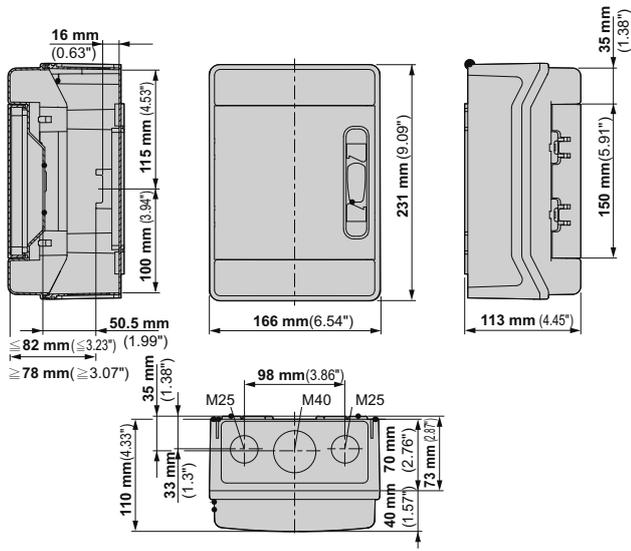
## Max. connection cross-sections and assembly of the N/PE screw terminals

	[mm <sup>2</sup> ]
IKA-C-1/12...	8x 4.5 each + 8x 5.5 and 1x 7.5 + 1x 8.5 each
IKA-C-1/18...	8x 4.5 each + 8x 5.5 and 1x 7.5 + 1x 8.5 each

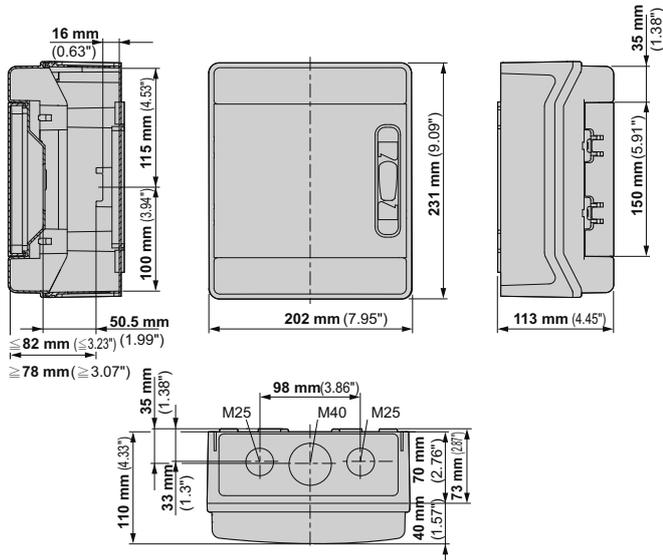
Note: Tightening torque values [Nm] of the N/PE screw terminals are directly indicated on the terminal enclosure.

Dimensions (mm)

IKA-1/4....



IKA-1/6....



# 1.52

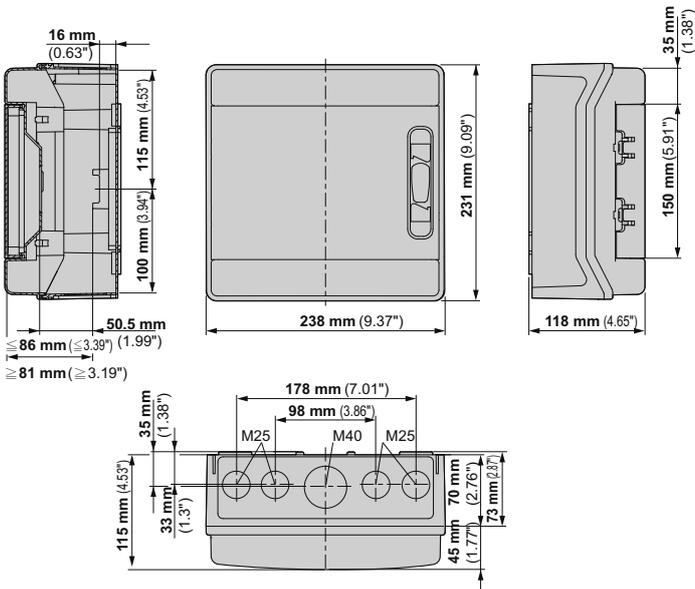
## Compact Distribution Boxes

xComfort

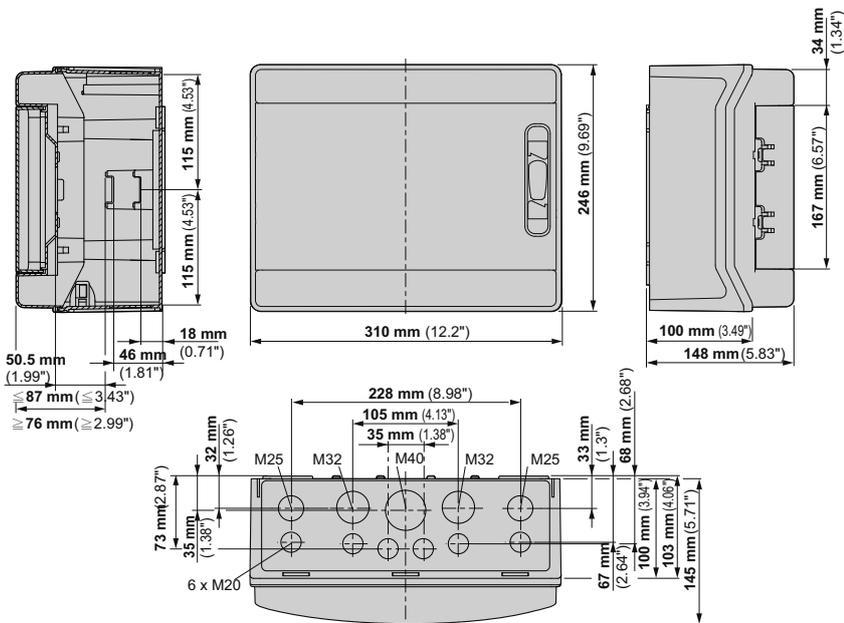
IKA-C surface-mounted Compact Distribution Boxes, IP65

### Dimensions (mm)

#### IKA-1/8....

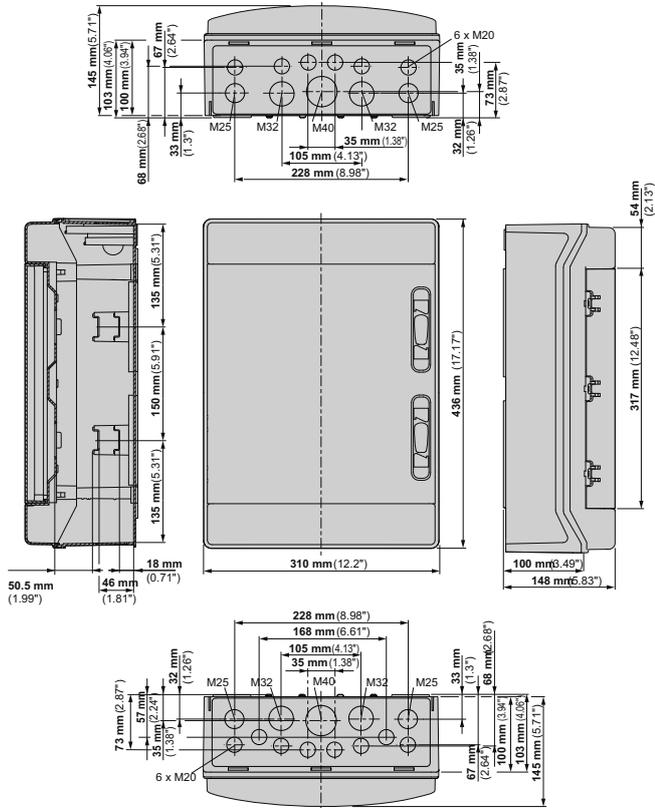


#### IKA-1/12....

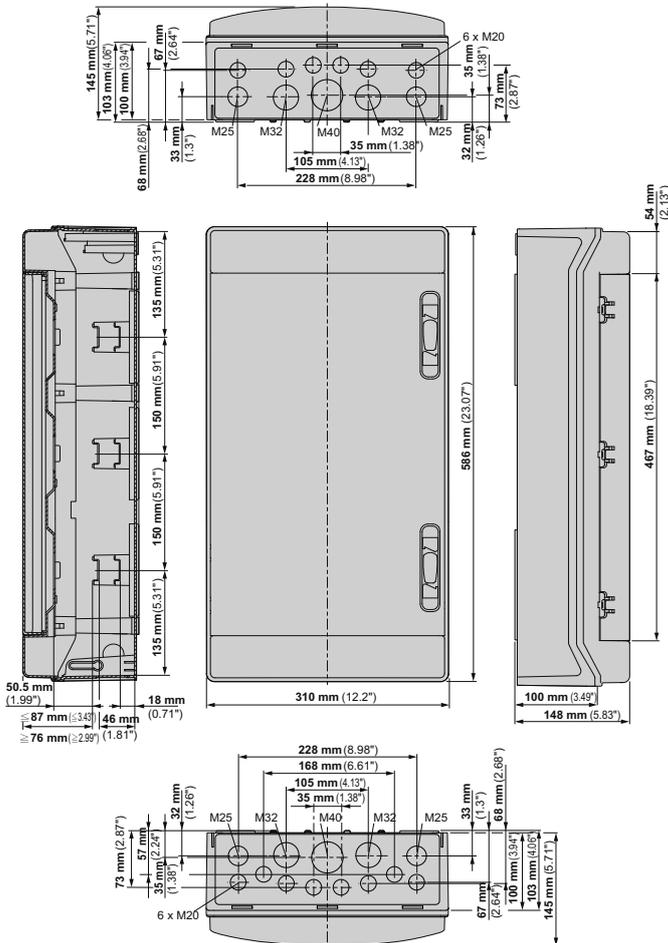


Dimensions (mm)

IKA-2/24....



IKA-3/36....



# 1.54

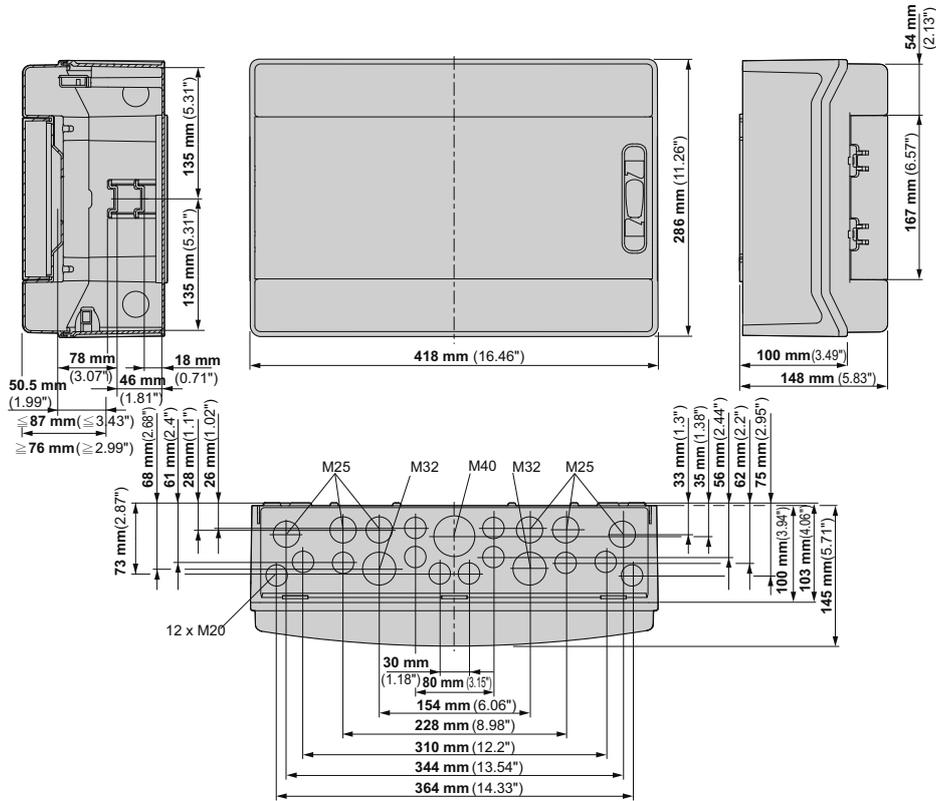
## Compact Distribution Boxes

xComfort

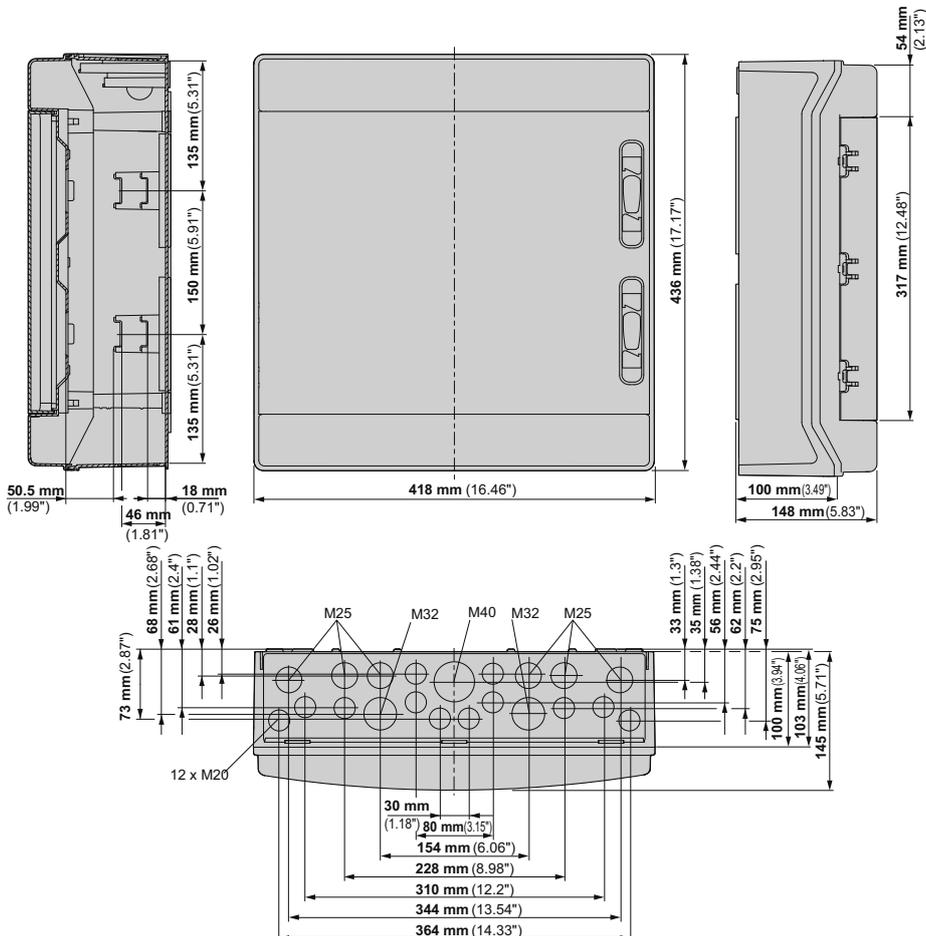
IKA-C surface-mounted Compact Distribution Boxes, IP65

### Dimensions (mm)

IKA-1/18....

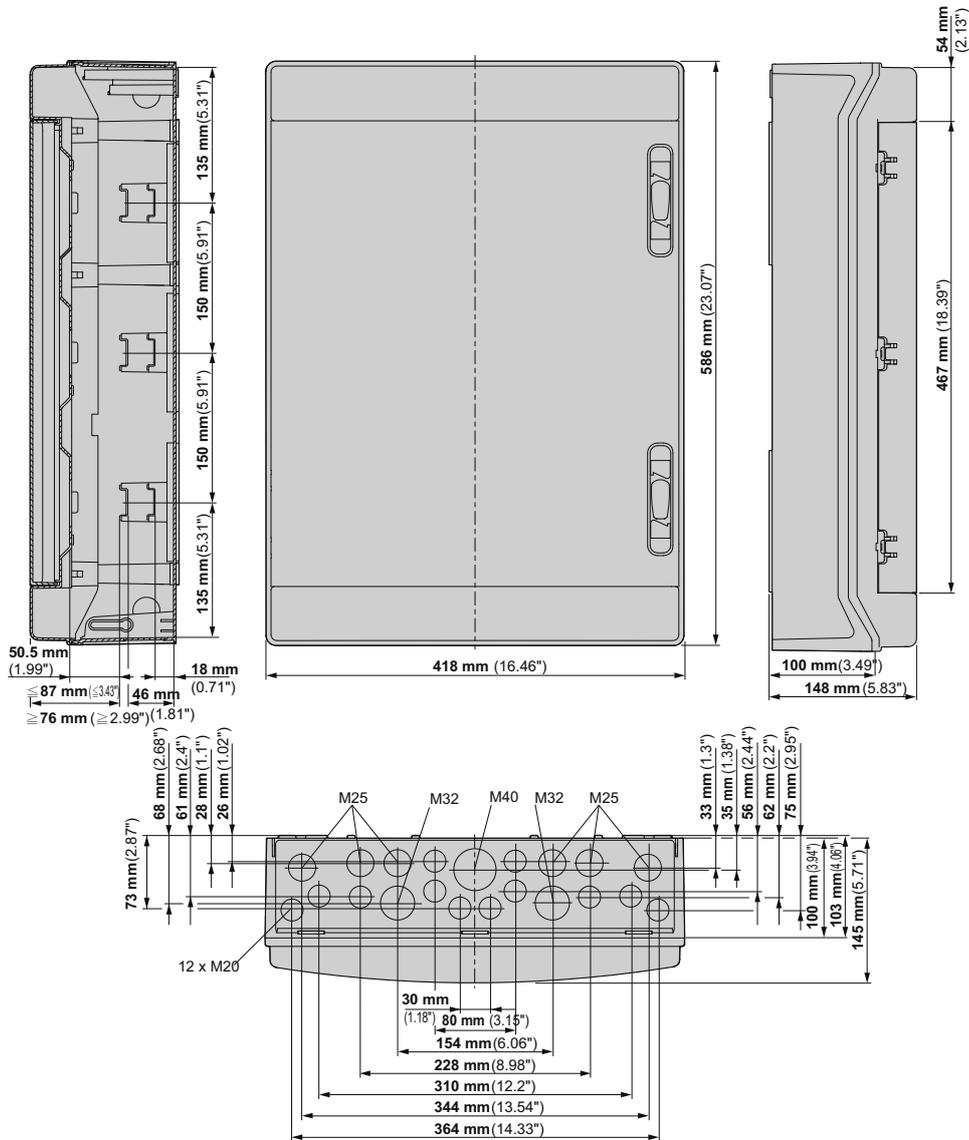


IKA-2/36....

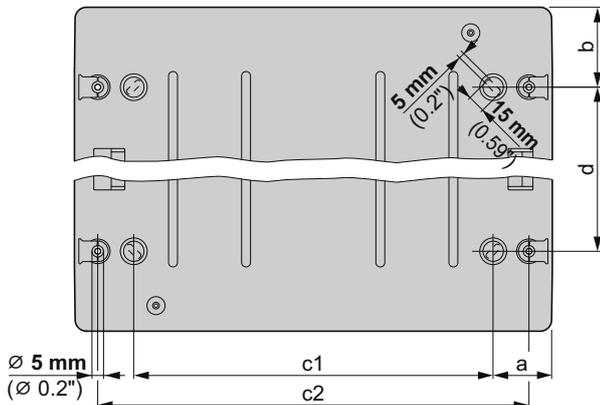


Dimensions (mm)

IKA-3/54....



Holes for wall-mounting IKA-...

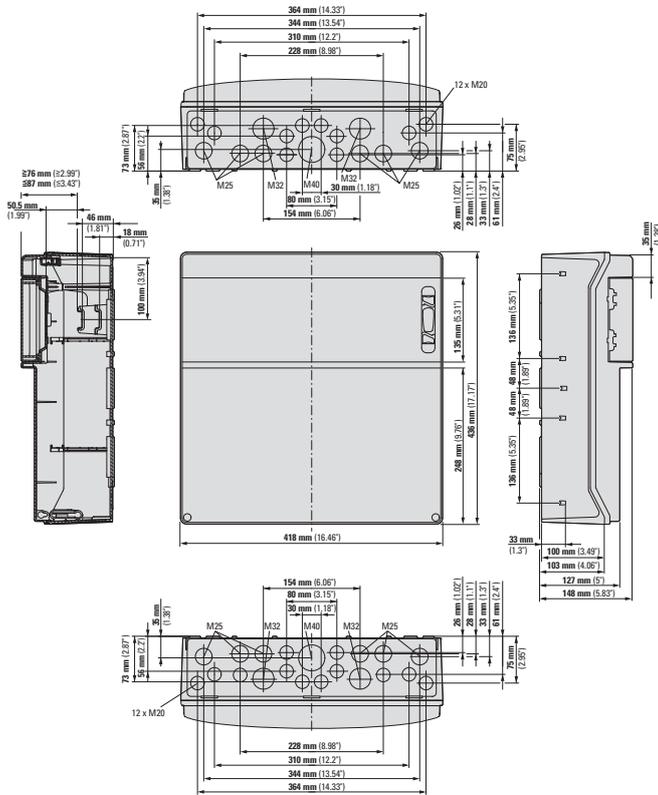


Type	a [mm]	b [mm]	c1 [mm]	c2 [mm]	d [mm]
IKA-1/4...	45	55	76	126	121
IKA-1/6...	52.5	55	97	162	121
IKA-1/8...	52.5	55	133	198	121
IKA-1/12...	51.5	62.5	207	270	121
IKA-2/24...	51.5	70.5	207	270	295
IKA-3/36...	51.5	70.5	207	270	445
IKA-1/18...	51.5	70.5	315	378	145
IKA-2/36...	51.5	70.5	315	378	295
IKA-3/54...	51.5	70.5	315	378	445

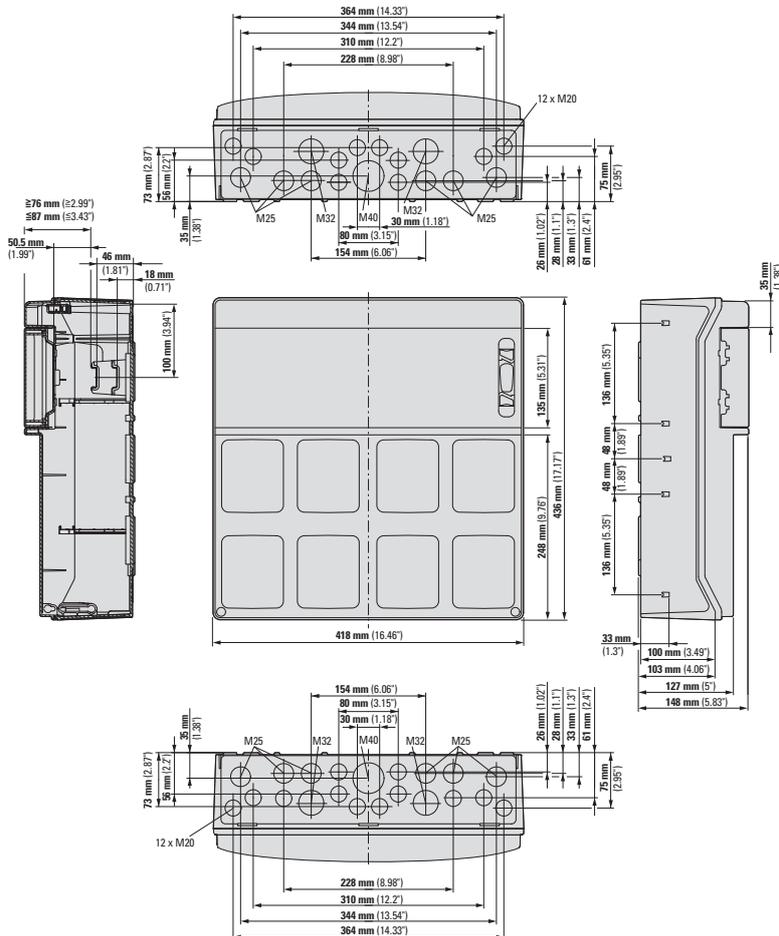


Dimensions (mm)

IKA-C-1/18-ST-X



IKA-C-1/18-ST-LID



vt14215



## Description

### KLV-...UP and KLV-...HW

- 3- to 4-rows
- Hollow-wall and flush-mounted versions
- Flat and super flat door design
- Integrated spirit level
- 3D plaster compensation
- Top row carrier rail
- Micro-perforated mounting plate
- Cable holder
- Device holder
- 2-fold electricity socket
- Pre-punched cable entries on all sides
- Degree of protection IP30
- Protection class II, totally insulated
- Door and cover frame, sheet steel RAL 9016
- Low halogen level
- IEC/EN 60670-24

KLV flush-mounted/hollow-wall Multimedia Distribution Boards, IP30



Rows / DIN / MPL	Description	Version	Type Designation	Article No.	Pack (pcs.)
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**KLV flush-mounted/hollow-wall Multimedia Distribution Boards, IP30**

**IP30**

- According to IEC/EN 60670-24
- Door with ventilation louvers and frame made of sheet steel
- 1 DIN rail, e.g. for accommodating patch modules, 1 mounting plate with punch holes for fixing active and passive devices
- Device and cable holders for clear arrangement of devices
- 2-fold electricity socket incl. EURO2 adapter with plug-type terminal up to 2.5 mm<sup>2</sup>
- Suitable for equipment of up to 80 mm max. depth
- Wall pan made of plastic with integrated spirit level
- Cable guidance slide with snap-on fixing
- Door with frame made of sheet steel, with 3D plaster compensation (compensation possible up to 18 mm), colour RAL 9016, optionally flat (F) or super flat (SF)
- Door hinges are easy to inverse, hinges for manual handling
- Flat rotary closure of the door, can be replaced by one of the lock versions
- Hollow-wall anchor for fixing in a hollow wall (hollow-wall mounting only)
- Nail straps for fixing on the wall (flush-mounting only)
- Connection brackets for linking wall pans in pairs or fixing them on flush-mounted or hollow-wall mounted compact distribution boards KLV-UP..., KLV-HW...
- Dimensions according to standard distribution boards KLV-UP..., KLV-HW...
- Dimensions of the distribution boards according to DIN 43871
- Technical parameters same as Compact Distribution Boxes KLV-...

**Flush-mounted UPM**

vt14215



3 / 12+2 / 1	1st row DIN rail, 2nd and 3rd row with micro-perforated metal mounting plate for telecommunication devices, 2-fold electricity socket	flat	KLV-36UPM-F	178830	1/60
		super flat	KLV-36UPM-SF	178831	1/60

vt14415



4 / 12+2 / 1	1st row DIN rail, 2nd and 3rd row with micro-perforated metal mounting plate for telecommunication devices, 2-fold electricity socket	flat	KLV-48UPM-F	178832	1/45
		super flat	KLV-48UPM-SF	178833	1/45

**Hollow-wall mounting HWM**

vt13915



3 / 12+2 / 1	1st row DIN rail, 2nd and 3rd row with micro-perforated metal mounting plate for telecommunication devices, 2-fold electricity socket	flat	KLV-36HWM-F	178834	1/60
		super flat	KLV-36HWM-SF	178835	1/60

vt13715



4 / 12+2 / 1	1st row DIN rail, 2nd and 3rd row with micro-perforated metal mounting plate for telecommunication devices, 2-fold electricity socket	flat	KLV-48HWM-F	178836	1/45
		super flat	KLV-48HWM-SF	178837	1/45

# 1.60

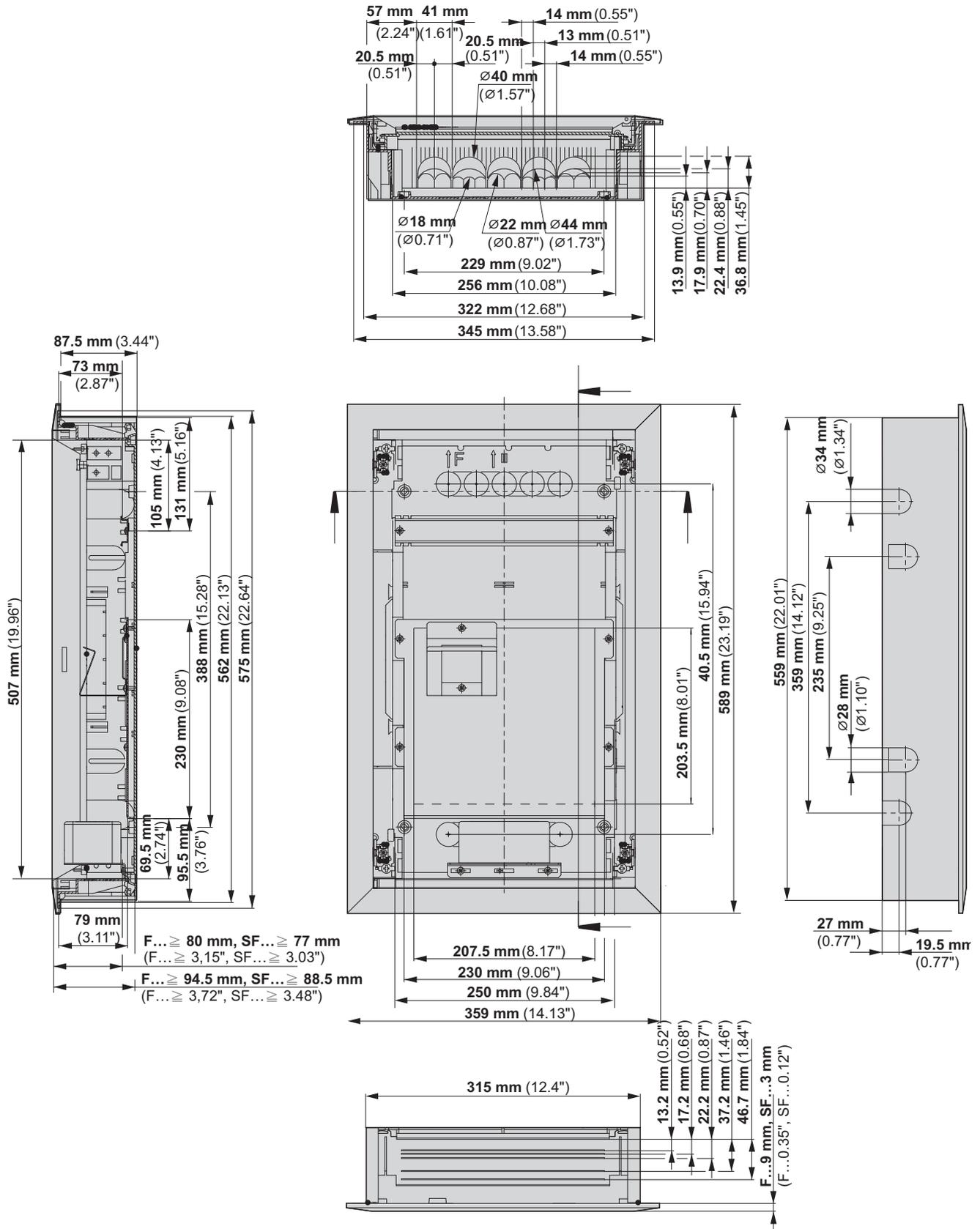
## Compact Distribution Boxes

xComfort

KLV flush-mounted/hollow-wall Multimedia Distribution Boards, IP30

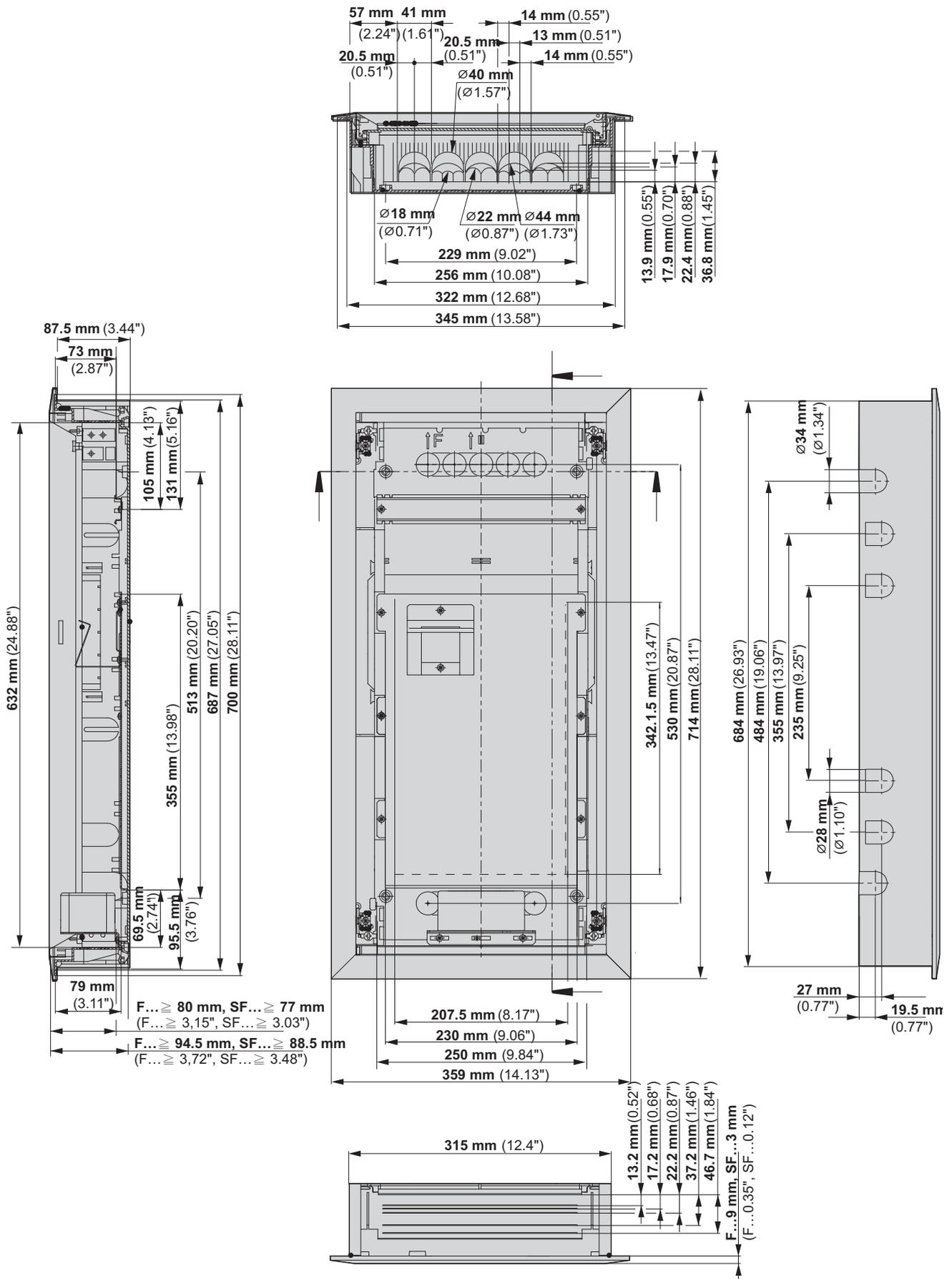
### Dimensions (mm)

KLV-36...M-F (SF)



Dimensions (mm)

KLV-48...M-F (SF)



vt17015



vt27615



vt27215



vt17915



## Description

### KLV-...-4PR

- Same content as flush-mounted/hollow-wall or multimedia distribution boards
- Delivery form optimized for projects
- Finish in 2 or 3 steps
- N/PE combined plug-type terminals
- Multimedia
- Door and cover frame also available in other RAL colours

KLV-...4PR Delivery Form for Projects - Flush-mounted/Hollow-wall



Description	Rows / MU	Type Designation	Article No.	Pack (pcs.)
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**KLV-...4PR Delivery Form for Projects - Flush-mounted/Hollow-wall**

**IP30**

- Delivery form for projects, separate ordering and delivery of assemblies: Wall pan + equipment set
- Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3
- Wall pan, empty, optionally for flush-mounting or hollow-wall mounting
- Equipment set optionally with door and frame in flat or super flat design
- Technical parameters same as Compact Distribution Boxes KLV-...

**Delivery Form for Projects - Wall pan**

vt17015



Wall pan, empty, for flush-mounting with plaster protection and nail straps, integrated spirit level, flange slide, for equipment set	1 / 12+2	KLV-UP1-4PR	178838	1/90
	2 / 24+4	KLV-UP2-4PR	178839	1/60
	3 / 36+6	KLV-UP3-4PR	178840	1/60
	4 / 48+8	KLV-UP4-4PR	178841	1/45

vt17215



Wall pan, empty, for hollow-wall mounting with plaster protection and hollow-wall anchor, integrated spirit level, flange slide, for equipment set	1 / 12+2	KLV-HW1-4PR	178842	1/90
	2 / 24+4	KLV-HW2-4PR	178843	1/60
	3 / 36+6	KLV-HW3-4PR	178844	1/60
	4 / 48+8	KLV-HW4-4PR	178845	1/45

**Delivery Form for Projects - Equipment set for flush-mounting**

vt27615



With DIN rail structure, door with door frame, optionally flat (F) or super flat (SF), N-PE combined plug-type terminals, stable device cover, cable holder	1 / 12+2	KLV-F1UPP-4PR	178846	1/90
	2 / 24+4	KLV-F2UPP-4PR	178847	1/60
	3 / 36+6	KLV-F3UPP-4PR	178848	1/60
	4 / 48+8	KLV-F4UPP-4PR	178849	1/45
	1 / 12+2	KLV-SF1UPP-4PR	178850	1/90
	2 / 24+4	KLV-SF2UPP-4PR	178851	1/60
	3 / 36+6	KLV-SF3UPP-4PR	178852	1/60
	4 / 48+8	KLV-SF4UPP-4PR	178853	1/45

**Delivery Form for Projects - Equipment set for hollow-wall mounting**

vt27115



With DIN rail structure, door with door frame, optionally flat (F) or super flat (SF), N-PE combined plug-type terminals, stable device cover, cable holder	1 / 12+2	KLV-F1HWP-4PR	178854	1/90
	2 / 24+4	KLV-F2HWP-4PR	178855	1/60
	3 / 36+6	KLV-F3HWP-4PR	178856	1/60
	4 / 48+8	KLV-F4HWP-4PR	178857	1/45
	1 / 12+2	KLV-SF1HWP-4PR	178858	1/90
	2 / 24+4	KLV-SF2HWP-4PR	178859	1/60
	3 / 36+6	KLV-SF3HWP-4PR	178860	1/60
	4 / 48+8	KLV-SF4HWP-4PR	178861	1/45

**Delivery Form for Projects - Equipment set for flush-mounting, N-PE screw terminals**

4500PIC-20



With DIN rail structure, door with door frame, optionally flat (F) or super flat (SF), N-PE screw terminals, stable device cover, cable holder	1 / 12+2	KLV-F1UPS-4PR	185507	1/90
	2 / 24+4	KLV-F2UPS-4PR	185508	1/60
	3 / 36+6	KLV-F3UPS-4PR	185509	1/60
	4 / 48+8	KLV-F4UPS-4PR	185510	1/45
	1 / 12+2	KLV-SF1UPS-4PR	185511	1/90
	2 / 24+4	KLV-SF2UPS-4PR	185512	1/60
	3 / 36+6	KLV-SF3UPS-4PR	185513	1/60
	4 / 48+8	KLV-SF4UPS-4PR	185514	1/45



Description	Rows / MU	Type Designation	Article No.	Pack (pcs.)
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**Delivery Form for Projects - Equipment set for hollow-wall mounting, N-PE screw terminals**

4500PIC-18



With DIN rail structure, door with door frame, optionally flat (F) or super flat (SF), N-PE screw terminals, stable device cover, cable holder	1 / 12+2	KLV-F1HWS-4PR	185515	1/90
	2 / 24+4	KLV-F2HWS-4PR	185516	1/60
	3 / 36+6	KLV-F3HWS-4PR	185517	1/60
	4 / 48+8	KLV-F4HWS-4PR	185518	1/45
	1 / 12+2	KLV-SF1HWS-4PR	185519	1/90
	2 / 24+4	KLV-SF2HWS-4PR	185520	1/60
	3 / 36+6	KLV-SF3HWS-4PR	185521	1/60
	4 / 48+8	KLV-SF4HWS-4PR	185522	1/45

**Delivery Form for Projects - Equipment set for flush-mounting or hollow-wall mounting**

vi27915



1x DIN rail and micro-perforated metal mounting plate, door with frame, optionally flat (F) or super flat (SF), cable and device holder, 2-fold electricity socket, connection brackets	3 / 36+6	KLV-F3M-4PR	178862	1/60
	4 / 48+8	KLV-F4M-4PR	178863	1/45
	3 / 36+6	KLV-SF3M-4PR	178864	1/60
	4 / 48+8	KLV-SF4M-4PR	178865	1/45

**Delivery Form for Projects - Interieur, flush-mounted**

vi27915



With DIN rail structure, N-PE combination plug-type terminal, N-FI terminal, stable device cover, cable holder	1 / 12+2	KLV-1U PP-4PR	178866	1/90
	2 / 24+4	KLV-2U PP-4PR	178867	1/60
	3 / 36+6	KLV-3U PP-4PR	178868	1/60
	4 / 48+8	KLV-4U PP-4PR	178869	1/45

**Delivery Form for Projects - Interieur, hollow-wall mounted**

vi26715



With DIN rail structure, N-PE combination plug-type terminal, N-FI terminal, stable device cover, cable holder	1 / 12+2	KLV-1HWP-4PR	178870	1/90
	2 / 24+4	KLV-2HWP-4PR	178871	1/60
	3 / 36+6	KLV-3HWP-4PR	178872	1/60
	4 / 48+8	KLV-4HWP-4PR	178873	1/45



Description	Rows / MU	Type Designation	Article No.	Pack (pcs.)
<b>Delivery Form for Projects - Exterieur</b>				
 Door with door frame, optionally flat (F) or super flat (SF), with 3D plaster compensation	1 / 12+2	KLV-F1-4PR	178874	1/90
	2 / 24+4	KLV-F2-4PR	178875	1/60
	3 / 36+6	KLV-F3-4PR	178876	1/60
	4 / 48+8	KLV-F4-4PR	178877	1/45
	1 / 12+2	KLV-SF1-4PR	178878	1/90
	2 / 24+4	KLV-SF2-4PR	178879	1/60
	3 / 36+6	KLV-SF3-4PR	178880	1/60
	4 / 48+8	KLV-SF4-4PR	178881	1/45
 Door with ventilation slots and door frame, optionally flat (F) or super flat (SF), with 3D plaster compensation	3 / 36+6	KLV-F3L-4PR	178882	1/60
	4 / 48+8	KLV-F4L-4PR	178883	1/45
	3 / 36+6	KLV-SF3L-4PR	178884	1/60
	4 / 48+8	KLV-SF4L-4PR	178885	1/45
<b>Delivery Form for Projects - Exterieur, coloured</b>				
 Door with door frame, optionally flat (F) or super flat (SF), with 3D plaster compensation, RAL* = Colour requested	1 / 12+2	KLV-F1-4PR-RAL*	178886	1/90
	2 / 24+4	KLV-F2-4PR-RAL*	178887	1/60
	3 / 36+6	KLV-F3-4PR-RAL*	178888	1/60
	4 / 48+8	KLV-F4-4PR-RAL*	178889	1/45
	1 / 12+2	KLV-SF1-4PR-RAL*	178890	1/90
	2 / 24+4	KLV-SF2-4PR-RAL*	178891	1/60
	3 / 36+6	KLV-SF3-4PR-RAL*	178892	1/60
	4 / 48+8	KLV-SF4-4PR-RAL*	178893	1/45
Door with ventilation slots and door frame, optionally flat (F) or super flat (SF), with 3D plaster compensation, RAL* = Colour requested	3 / 36+6	KLV-F3L-4PR-RAL*	178894	1/60
	4 / 48+8	KLV-F4L-4PR-RAL*	178895	1/45
	3 / 36+6	KLV-SF3L-4PR-RAL*	178896	1/60
	4 / 48+8	KLV-SF4L-4PR-RAL*	178897	1/45

\* Note: RAL colour code according to colour index, door bolt always RAL7037 dusty grey

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wa\_v106313



vt11816



## Description

- Setup of the distribution board is based on a 2-step principle (wall pan / mounting insert + door)
- Installation depth of only 100 mm (especially suitable for hollow walls of reduced wall thickness)
- 2- to 6-rowss 24 MUs/row
- 4- to 6-rowss 33 MUs/row
- Degree of protection IP30
- Protection class I
- Complete types incl. neutral and protective conductor terminals
- Wall pan (galvanized) prepared for cable insertion at the top/bottom
- Mounting insert incl. door and cover frame, sheet steel phosphatized and polyester-powder-coated in RAL 9016 (white)
- Metal front plates with contact point at the enclosure
- Sheet steel door with or without inspection window
- 150 mm DIN rail distance (ideal for switchgear busbar system)
- Prepared enclosures come with mounting plate and can be used as media distribution boards
- Screw-type and combined plug-type terminals can be integrated by means of terminal carriers

BF-U-2S flush-mounted/hollow-wall Flat Distribution Boards, IP30



MU per row / rows

Type Designation

Article No. Pack (pcs.)

**BF-U(T)-2S Flush-mounted/Hollow-wall Flat Distribution Boards, IP30, Installation Depth 100 mm**

Scope of delivery:

- Wall pan (welded construction)
- Mounting insert incl. door and cover frame
- DIN rails
- Front panels
- Protective and neutral conductor terminals

**Flush-mounted/Hollow-wall Flat Distribution Boards BF-U-2S-/-...-100 without inspection window, complete**

White

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24 / 2	BF-U-2S-2/48-100	182464	1
24 / 3	BF-U-2S-3/72-100	182465	1
24 / 4	BF-U-2S-4/96-100	182466	1
24 / 5	BF-U-2S-5/120-100	182467	1
24 / 6	BF-U-2S-6/144-100	182468	1
33 / 4	BF-U-2S-4/132-100	182469	1
33 / 5	BF-U-2S-5/165-100	182470	1
33 / 6	BF-U-2S-6/198-100	182471	1

**Flush-mounted/Hollow-wall Flat Distribution Boards BF-UT-2S-/-...-100 with inspection window, complete**

White

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24 / 2	BF-UT-2S-2/48-100	182472	1
24 / 3	BF-UT-2S-3/72-100	182473	1
24 / 4	BF-UT-2S-4/96-100	182474	1
24 / 5	BF-UT-2S-5/120-100	182475	1
24 / 6	BF-UT-2S-6/144-100	182476	1
33 / 4	BF-UT-2S-4/132-100	182477	1
33 / 5	BF-UT-2S-5/165-100	182478	1
33 / 6	BF-UT-2S-6/198-100	182479	1

**BF-UTM-2S Flush-mounted/Hollow-wall Media Distribution Boards, IP30, Installation Depth 100 mm**

Scope of delivery:

- Wall pan (welded construction)
- Mounting insert incl. door and cover frame
- Micro-perforated mounting plate
- DIN rail

**Flush-mounted/Hollow-wall Media Distribution Board BF-UTM-2S-/-...-100 with inspection window, complete**

White

vt11818



2-rows with mounting plate	BF-UTM-2S-2/48-100	182480	1
3-rows with mounting plate	BF-UTM-2S-3/72-100	182481	1
4-rows with mounting plate	BF-UTM-2S-4/96-100	182482	1
5-rows with mounting plate	BF-UTM-2S-5/120-100	182483	1

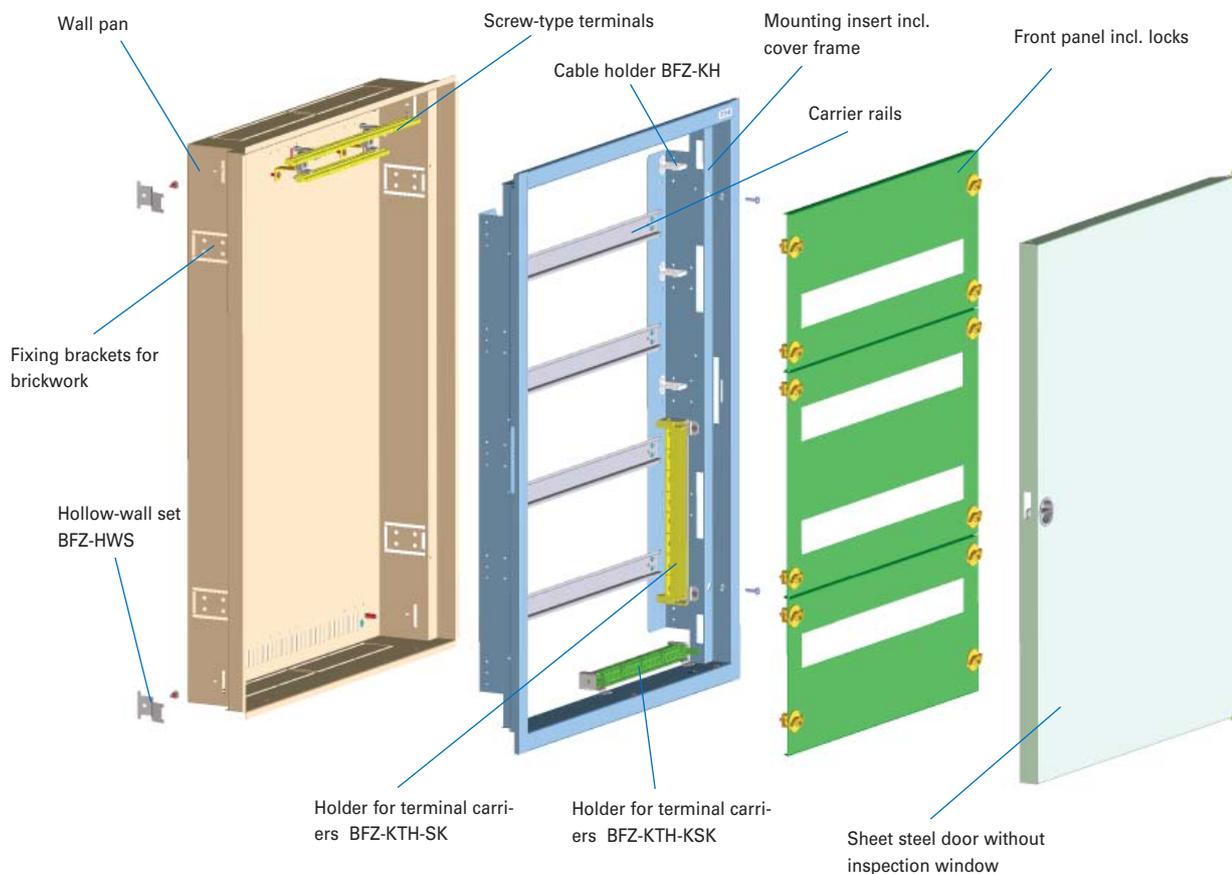
## Technical Data

<b>BF-U(T(M))-2S-/-...-100</b>	
<b>Electrical</b>	
Version according to	IEC/EN 61439-1/3; IEC/EN 62208
Degree of protection	IP30
Protection class	I
Impact resistance	IK07 (version with sheet steel door and inspection window) IK08 (version with sheet steel door, no inspection window)
Rated voltage	240/415 V AC @ 50/60 Hz
Rated insulation voltage	415 V AC
Rated current range	max. 125 A
Max. power loss of all devices installed in the distribution board at 35 °K difference in temperature ( $\Delta T$ ) *):	
BF-U(T)-2S-2/48-100	54 W
BF-U(T)-2S-3/72-100	66 W
BF-U(T)-2S-4/96-100	78 W
BF-U(T)-2S-5/120-100	90 W
BF-U(T)-2S-6/144-100	102 W
BF-U(T)-2S-4/132-100	101 W
BF-U(T)-2S-5/165-100	115 W
BF-U(T)-2S-6/198-100	130 W
*) the ambient temperature was defined as 35 °C	
<b>Mechanical</b>	
Wall pan	Sheet steel, galvanized
Mounting insert with cover frame	Sheet steel, phosphatized and powder-coated, RAL 9016
Door with/without inspection window	Sheet steel, phosphatized and powder-coated, RAL 9016
Inspection window	PVC transparent
Support rail for devices	Sheet steel, galvanized
Distance between carrier rails	150 mm
Mounting plate (for the media distribution board only)	Sheet steel, galvanized
Type of installation	Indoor
<b>N/PE terminal equipment (max. 63 A)</b>	N PE
BF-U(T)-2S-2/48-100	1x KL29 + 1x KL7 1x KL45
BF-U(T)-2S-3/72-100	1x KL29 + 2x KL7 1x KL45
BF-U(T)-2S-4/96-100	1x KL29 + 3x KL7 1x KL45
BF-U(T)-2S-5/120-100	1x KL29 + 4x KL7 1x KL45
BF-U(T)-2S-6/144-100	1x KL29 + 5x KL7 1x KL45
BF-U(T)-2S-4/132-100	1x KL45 + 3x KL7 1x KL60
BF-U(T)-2S-5/165-100	1x KL45 + 4x KL7 1x KL60
BF-U(T)-2S-6/198-100	1x KL45 + 5x KL7 1x KL60
Definition of terminal points according to type	
KL7	1x 25 mm <sup>2</sup> / 6x 16 mm <sup>2</sup>
KL29	2x 25 mm <sup>2</sup> / 27x 16 mm <sup>2</sup>
KL45	2x 25 mm <sup>2</sup> / 43x 16 mm <sup>2</sup>
KL60	2x 25 mm <sup>2</sup> / 58x 16 mm <sup>2</sup>

**Functional product features**

- **Wall pan** with easy-to-knock-out openings for cable insertion at the top and bottom. In addition, there are slots at the back of the wall pan to ensure fixing/strain relief of the cables right after inserting them. Lateral add-on can be achieved by means of integrated straps which serve as fasteners in the brickwork. These straps allow you to install two distribution boards side by side at an appropriate distance so as to avoid a collision of the two door frames when fixing the inserts. For inserts in hollow-walls a suitable BFZ-HWS fastening set is available as accessory.
- **Mounting insert** incl. door and cover frame is delivered with the correct number of carrier rails (35 x 7.5 mm). They come firmly riveted to the insert when they are delivered. As a standard feature, the media distribution board is equipped with a micro-perforated mounting plate for universal installation purposes of components. In addition, a carrier rail in the top area provides space for the DIN rail devices. Carefully selected positioning of the long holes for screw-fixing the wall pan provides 3D plaster compensation in a straightforward way. (alignment left/right and in depth). Screw-type terminals are pre-assembled directly at the mounting insert (no loss of MUs). In addition and where necessary, you can install additional terminals (screw-type or combined plug-type terminals) on the side as well as at the top and bottom by means of BFZ-KTH-KSK or BFZ-KTH-SK holders.
- **Sheet steel door** with a rotary bolt lock in the versions with or without inspection window. The media distribution board comes with a door incl. an inspection window and additional ventilation slots (at the top and bottom) for passive ventilation.
- **Front panels** come with our proven locks as a standard feature, these locks automatically make contact with the enclosure by closing and tightening the screw (ground connection).

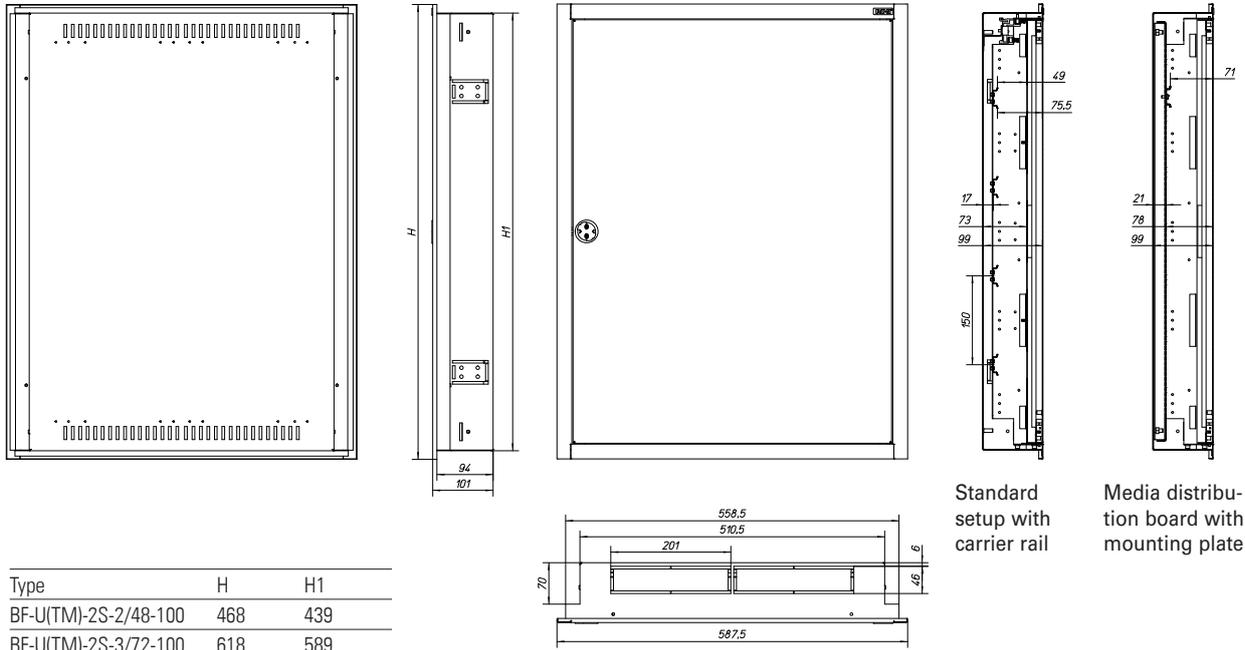
**Overview of the individual components**



Flat\_3D

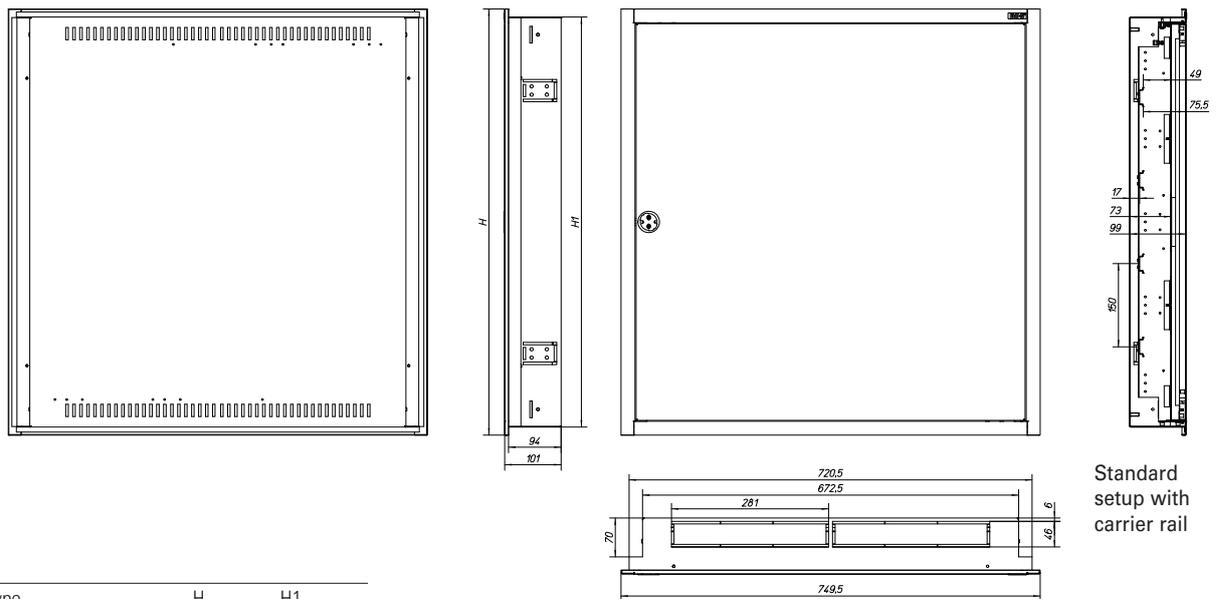
### Dimensions (mm)

#### Flush-mounted/Hollow-wall-Flat Distribution Boards mit 24 MUs per row



Type	H	H1
BF-U(TM)-2S-2/48-100	468	439
BF-U(TM)-2S-3/72-100	618	589
BF-U(TM)-2S-4/96-100	768	739
BF-U(TM)-2S-5/120-100	918	889
BF-U(T)-2S-6/144-100	1068	1039

#### Flush-mounted/Hollow-wall-Flat Distribution Boards mit 33 MUs per row



Type	H	H1
BF-U(T)-2S-4/132-100	768	739
BF-U(T)-2S-5/165-100	918	889
BF-U(T)-2S-6/198-100	1068	1039

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## Description

- Flush-mounted Flat Distribution Boards
- 2- to 6-rows 24 MUs/row (versions A, E, C)
- 4- to 6-rows 33 MUs/row (versions A, C, P)
- IP30
- Protection class I
- Sheet steel enclosure polyesterpowder coated (white RAL 9016; Version C also in grey RAL 7035)
- Prepared for Eaton MCCB Incoms
- Metal front plates with contact point at the enclosure
- Removable DIN rail frame
- Generous wiring space
- 150 mm DIN rail distance (ideal for switchgear busbar system)
- Complete enclosure (including N/PE terminals)
- Depth: 127 mm
- Universal mounting plate



MU per row / rows

Type  
Designation

Article No.    Pack  
(pcs.)

### BF-U flush-mounted Flat Distribution Boards, IP30, Version A

Scope of delivery:

- Wall pan with door frame
- Door with Rotary Door handle
- DIN rail frame
- Front panels
- Protective and neutral conductor terminals

### BF-U-./..-A Flush-mounted Flat Distribution Boards, complete

#### White

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24 / 2	BF-U-2/48-A	240737	1
24 / 3	BF-U-3/72-A	240738	1
24 / 4	BF-U-4/96-A	240739	1
24 / 5	BF-U-5/120-A	240740	1
24 / 6	BF-U-6/144-A	240741	1
33 / 4	BF-U-4/132-A	240745	1
33 / 5	BF-U-5/165-A	240746	1
33 / 6	BF-U-6/198-A	240747	1

**Description BF-U flush-mounted Flat Distribution Boards, IP30, Version A**

- Flat installation distribution board for flush-mounting
- 2- to 6-rowss with 24 module units (MU) per row
- 4- to 6-rowss with 33 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- 3 cable entry flanges at flat distribution board with 33 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)
- Steel sheet door with window is available as accessory (BFZ-OTT-./...)

**DIN rail frame:**

- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-U-MPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

		BF-U-./.-A
<b>Electrical</b>		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30 according to EN 60529	
Protection class	I	
Rated voltage	240/415 V AC; 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125/160 A (according to Incoming switch)	
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:		
BF-U-2/48	67 W	
BF-U-3/72	81 W	
BF-U-4/96	94 W	
BF-U-4/132	118 W	
BF-U-5/120	108 W	
BF-U-5/165	134 W	
BF-U-6/144	122 W	
BF-U-6/198	142 W	
<b>Mechanical</b>		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
<b>N/PE terminal equipment (max. 63 A)</b>	N [mm <sup>2</sup> ]	PE [mm <sup>2</sup> ]
BF-U-2/48	2x 25 + 9x 16	2x 25 + 27x 16
BF-U-3/72	2x 25 + 9x 16	2x 25 + 27x 16
BF-U-4/96	2x 25 + 9x 16	2x 25 + 43x 16
BF-U-4/132	2x 25 + 9x 16	2x 25 + 58x 16
BF-U-5/120	2x 25 + 9x 16	2x 25 + 58x 16
BF-U-5/165	2x 25 + 9x 16	2x 25 + 74x 16
BF-U-6/144	2x 25 + 9x 16	2x 25 + 58x 16
BF-U-6/198	2x 25 + 9x 16	2x 25 + 74x 16

**Cable entries above**

24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46 mm)

**Cable entries below**

24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46 mm)



MU per row / rows

Type  
Designation

Article No.    Pack  
(pcs.)

### BF-U flush-mounted Flat Distribution Boards, IP30, Version P

Scope of delivery:

- Wall pan with door frame
- Door with Rotary Door handle (with or without window)
- DIN rail frame
- Front panels
- Protective and neutral conductor terminals

### BF-U-./...(-G)-P Flush-mounted Flat Distribution Boards, without inspection window, complete

White

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24 / 3	BF-U-3/72-P	285349	1
24 / 4	BF-U-4/96-P	285350	1
24 / 5	BF-U-5/120-P	285351	1
24 / 6	BF-U-6/144-P	285352	1

### BF-UT-./...(-G)-P Flush-mounted Flat Distribution Boards, with inspection window, complete

White

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24 / 3	BF-UT-3/72-P	289133	1
24 / 4	BF-UT-4/96-P	289134	1
24 / 5	BF-UT-5/120-P	289135	1
24 / 6	BF-UT-6/144-P	289136	1

**Description BF-U flush-mounted Flat Distribution Boards, IP30, Version P**

- Flat installation distribution board for flush-mounting
- 3- to 6-rowss with 24 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white or steel sheet door with window and rotary door handle white in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)

**DIN rail frame:**

- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-U-MPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

		<b>BF-U-./.-P</b>
<b>Electrical</b>		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30 according to EN 60529	
Protection class	I	
Rated voltage	240/415 V AC; 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125/160 A (according to Incoming switch)	
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:		
BF-U-3/72	81 W	
BF-U-4/96	94 W	
BF-U-5/120	108 W	
BF-U-6/144	122 W	
<b>Mechanical</b>		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
<b>N/PE terminal equipment (max. 63 A)</b>	N [mm <sup>2</sup> ]	PE [mm <sup>2</sup> ]
BF-U-3/72	2x 25 + 43x 16	2x 25 + 43x 16
BF-U-4/96	2x 25 + 58x 16	2x 25 + 58x 16
BF-U-5/120	2x 25 + 58x 16	2x 25 + 58x 16
BF-U-6/144	2x 25 + 58x 16	2x 25 + 58x 16

**Cable entries above**

24 MUs per row	
Relief stamp:	4x (88x46 mm)

**Cable entries below**

24 MUs per row	
Relief stamp:	4x (88x46 mm)



MU per row / rows

Type  
Designation

Article No. Pack  
(pcs.)

### BF-U flush-mounted Flat Distribution Boards, IP30, Version C

Scope of delivery:

- Wall pan with door frame (white or grey)
- Door with Rotary Door handle (white and grey with or without window)
- DIN rail frame
- Front panels (white or grey)
- Protective and neutral conductor terminals

### BF-U-./...(-G)-C Flush-mounted Flat Distribution Boards, without inspection window, complete

#### White

wa\_vt01513



24 / 2	BF-U-2/48-C	113689	1
24 / 3	BF-U-3/72-C	283048	1
24 / 4	BF-U-4/96-C	283049	1
24 / 5	BF-U-5/120-C	283050	1
24 / 6	BF-U-6/144-C	283051	1
33 / 4	BF-U-4/132-C	103097	1
33 / 5	BF-U-5/165-C	103098	1
33 / 6	BF-U-6/198-C	103099	1

#### Grey

wa\_vt01613



24 / 2	BF-U-2/48-G-C	113690	1
24 / 3	BF-U-3/72-G-C	283056	1
24 / 4	BF-U-4/96-G-C	283057	1
24 / 5	BF-U-5/120-G-C	283058	1
24 / 6	BF-U-6/144-G-C	283059	1
33 / 4	BF-U-4/132-G-C	103100	1
33 / 5	BF-U-5/165-G-C	103101	1
33 / 6	BF-U-6/198-G-C	103102	1

### BF-UT-./...(-G)-C Flush-mounted Flat Distribution Boards, with inspection window, complete

#### White

wa\_vt06313



24 / 2	BF-UT-2/48-C	113691	1
24 / 3	BF-UT-3/72-C	103117	1
24 / 4	BF-UT-4/96-C	103118	1
24 / 5	BF-UT-5/120-C	103119	1
24 / 6	BF-UT-6/144-C	103120	1
33 / 4	BF-UT-4/132-C	103121	1
33 / 5	BF-UT-5/165-C	103122	1
33 / 6	BF-UT-6/198-C	103123	1

#### Grey

wa\_vt07513



24 / 2	BF-UT-2/48-G-C	113692	1
24 / 3	BF-UT-3/72-G-C	103124	1
24 / 4	BF-UT-4/96-G-C	103125	1
24 / 5	BF-UT-5/120-G-C	103126	1
24 / 6	BF-UT-6/144-G-C	103127	1
33 / 4	BF-UT-4/132-G-C	103128	1
33 / 5	BF-UT-5/165-G-C	103129	1
33 / 6	BF-UT-6/198-G-C	103130	1

**Description BF-U flush-mounted Flat Distribution Boards, IP30, Version C**

- Flat installation distribution board for flush-mounting
- 2- to 6-rowss with 24 module units (MU) per row
- 4- to 6-rowss with 33 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white and gray in the scope of delivery
- Steel sheet door with window white and grey in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)

**DIN rail frame:**

- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-U-MPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

		<b>BF-U-./.-C</b>	
<b>Electrical</b>			
Version according to	IEC/EN 61439-1/3; IEC/EN 62208		
Degree of protection	IP30 according to EN 60529		
Protection class	I		
Rated voltage	240/415 V AC; 50/60 Hz		
Rated insulation voltage	415 V AC		
Rated current range	max. 125/160 A (according to Incoming switch)		
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:			
BF-U(T)-2/48			67 W
BF-U(T)-3/72			81 W
BF-U(T)-4/96			94 W
BF-U(T)-4/132			118 W
BF-U(T)-5/120			108 W
BF-U(T)-5/165			134 W
BF-U(T)-6/144			122 W
BF-U(T)-6/198			142 W
<b>Mechanical</b>			
Enclosure	Steel sheet, polyester powder coated		
Door	Steel sheet, polyester powder coated		
Front panels	Steel sheet, polyester powder coated		
DIN rail frame	Sheet steel, galvanized		
Terminal support	PPO		
Colour	white RAL 9016, grey RAL 7035		
Distance between DIN rails	150 mm		
<b>N/PE terminal equipment (max. 63 A)</b>	<b>N [mm<sup>2</sup>]</b>	<b>PE [mm<sup>2</sup>]</b>	
BF-U-2/48	2x 25 + 43x 16	2x 25 + 43x 16	
BF-U-3/72	2x 25 + 43x 16	2x 25 + 43x 16	
BF-U-4/96	2x 25 + 43x 16	2x 25 + 43x 16	
BF-U-4/132	2x 25 + 58x 16	2x 25 + 58x 16	
BF-U-5/120	2x 25 + 43x 16	2x 25 + 43x 16	
BF-U-5/165	2x 25 + 58x 16	2x 25 + 58x 16	
BF-U-6/144	2x 25 + 43x 16	2x 25 + 43x 16	
BF-U-6/198	2x 25 + 58x 16	2x 25 + 58x 16	

**Cable entries above**

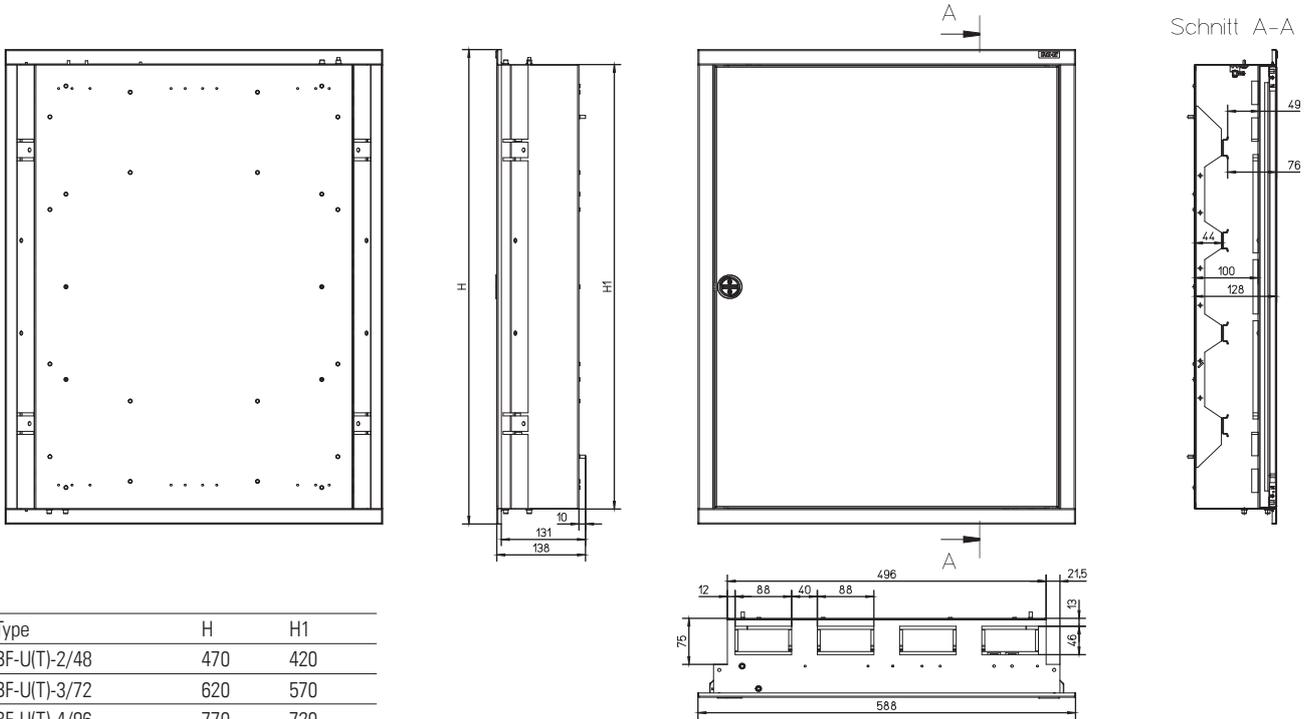
24 MUs per row		33 MUs per row	
Relief stamp:	4x (88x46 mm)	Relief stamp:	5x (88x46mm)

**Cable entries below**

24 MUs per row		33 MUs per row	
Relief stamp:	4x (88x46 mm)	Relief stamp:	5x (88x46mm)

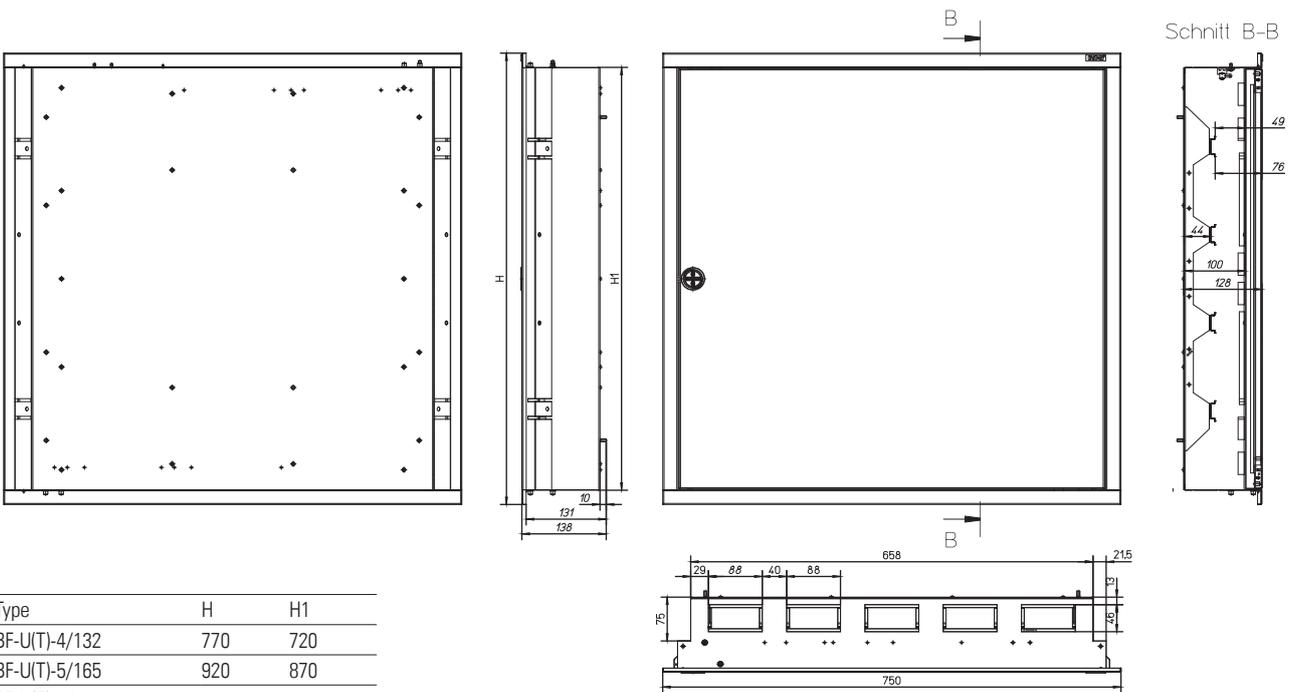
### Dimensions (mm)

#### Flush-mounting Flat Distribution Boards with 24 MUs per row



Type	H	H1
BF-U(T)-2/48	470	420
BF-U(T)-3/72	620	570
BF-U(T)-4/96	770	720
BF-U(T)-5/120	920	870
BF-U(T)-6/144	1070	1020

#### Flush-mounting Flat Distribution Boards with 33 MUs per row



Type	H	H1
BF-U(T)-4/132	770	720
BF-U(T)-5/165	920	870
BF-U(T)-6/198	1070	1020



MU per row / rows

Type  
Designation

Article No.    Pack  
                         (pcs.)

**BF-U flush-mounted Flat Distribution Boards, IP30, Version E**

Scope of delivery:

- Wall pan with door frame
- Door with Rotary Door handle Profi-Line
- DIN rail frame
- Front panels
- Protective and neutral conductor terminals

**BF-U-./..-E Flush-mounted Flat Distribution Boards, complete**

**White**

wa\_vt01413



24 / 2	BF-U-2/48-E	283052	1
24 / 3	BF-U-3/72-E	283053	1
24 / 4	BF-U-4/96-E	283054	1
24 / 5	BF-U-5/120-E	283055	1
24 / 6	BF-U-6/144-E	285221	1

**Description BF-U flush-mounted Flat Distribution Boards, IP30, Version E**

- Flat installation distribution board for flush-mounting
- 2- to 6-rowss with 24 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)
- Steel sheet door with window is available as accessory (BFZ-OTT-OR./...)

**DIN rail frame:**

- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-U-MPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

	BF-U-./.-E	
<b>Electrical</b>		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30 according to EN 60529	
Protection class	I	
Rated voltage	240/415 V AC; 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125/160 A (according to Incoming switch)	
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:		
BF-U-2/48	67 W	
BF-U-3/72	81 W	
BF-U-4/96	94 W	
BF-U-5/120	108 W	
BF-U-6/144	122 W	
<b>Mechanical</b>		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
<b>N/PE terminal equipment (max. 63 A)</b>	N [mm <sup>2</sup> ]	PE [mm <sup>2</sup> ]
BF-U-2/48	2x 25 + 13x 16	2x 25 + 13x 16
BF-U-3/72	2x 25 + 13x 16	2x 25 + 13x 16
BF-U-4/96	2x 25 + 27x 16	2x 25 + 27x 16
BF-U-5/120	2x 25 + 27x 16	2x 25 + 27x 16
BF-U-6/144	2x 25 + 27x 16	2x 25 + 27x 16

**Cable entries above**

24 MUs per row

Relief stamp: 4x (88x46 mm)

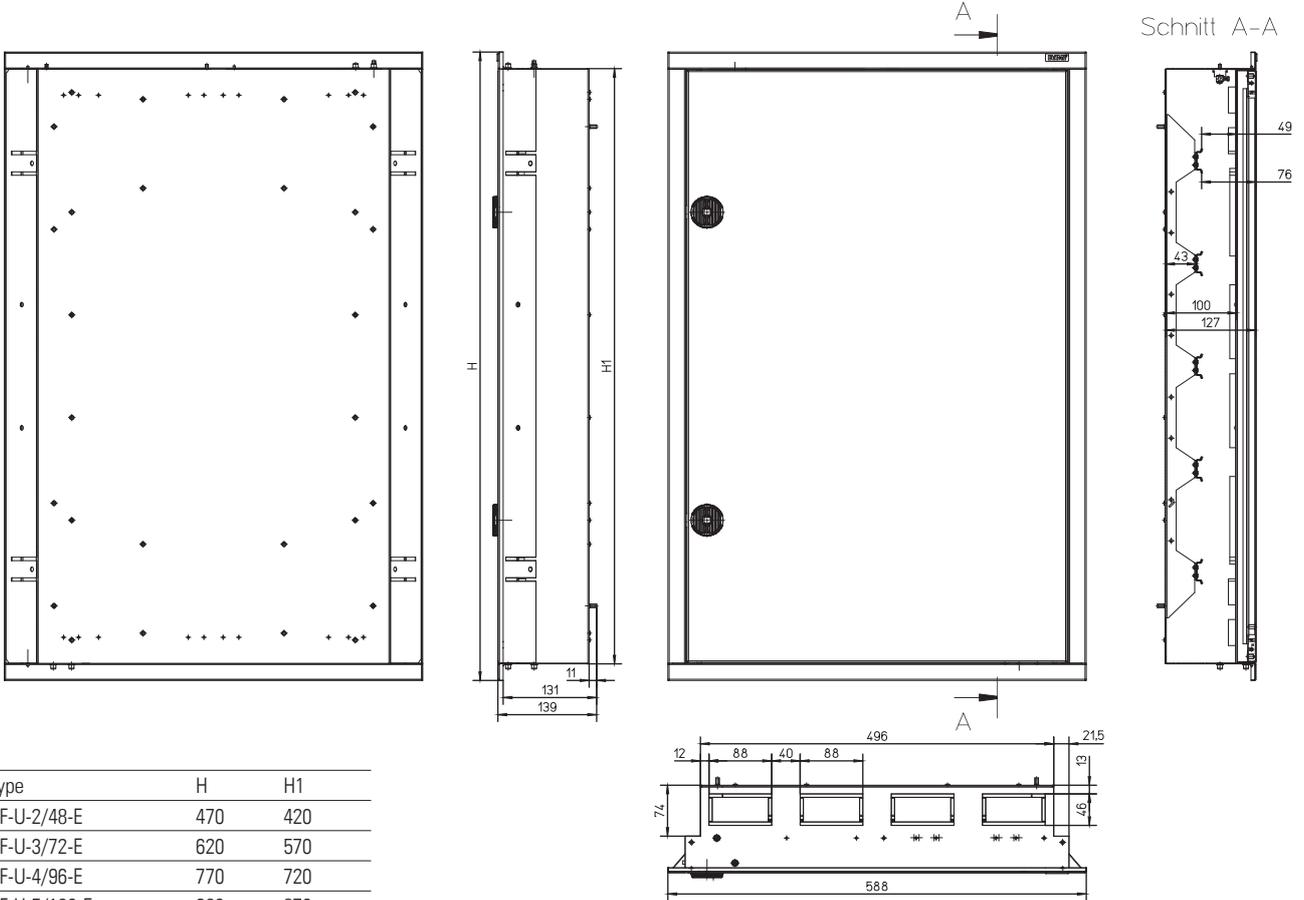
**Cable entries below**

24 MUs per row

Relief stamp: 4x (88x46 mm)

Dimensions (mm)

Flush-mounting Flat Distribution Boards with 24 MUs per row

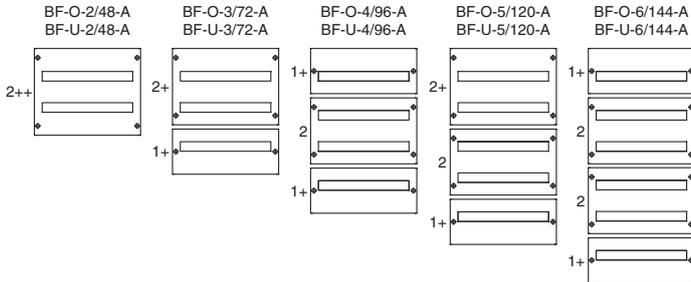


Type	H	H1
BF-U-2/48-E	470	420
BF-U-3/72-E	620	570
BF-U-4/96-E	770	720
BF-U-5/120-E	920	870
BF-U-6/144-E	1070	1020

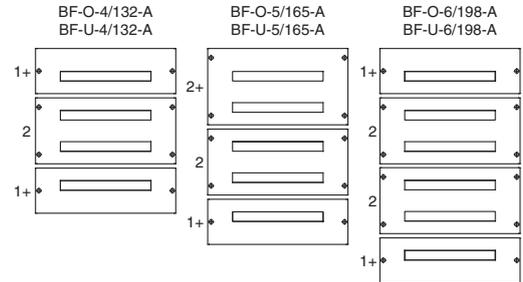
### Allocation of front plate

#### Allocation of front plate (delivery status), Version A

##### 24 MUs per row

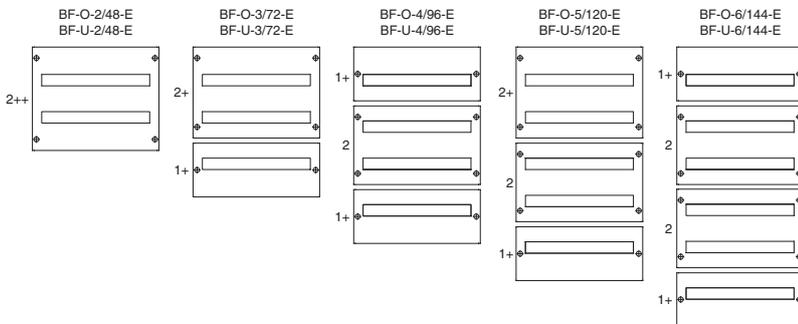


##### 33 MUs per row



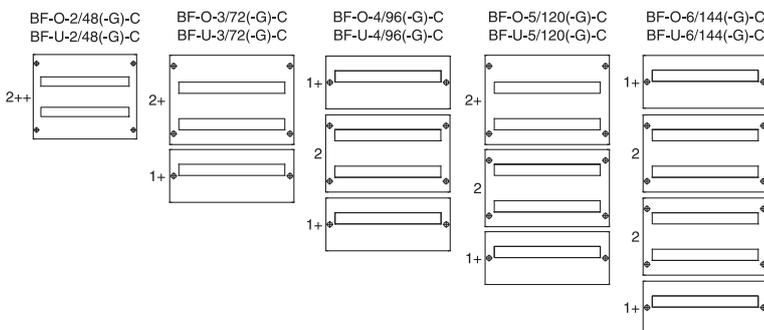
#### Allocation of front plate (delivery status), Version E

##### 24 MUs per row

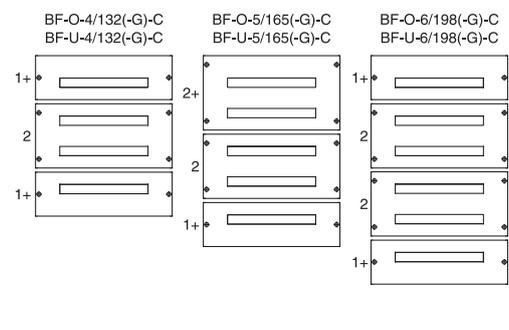


#### Allocation of front plate (delivery status), Version C

##### 24 MUs per row

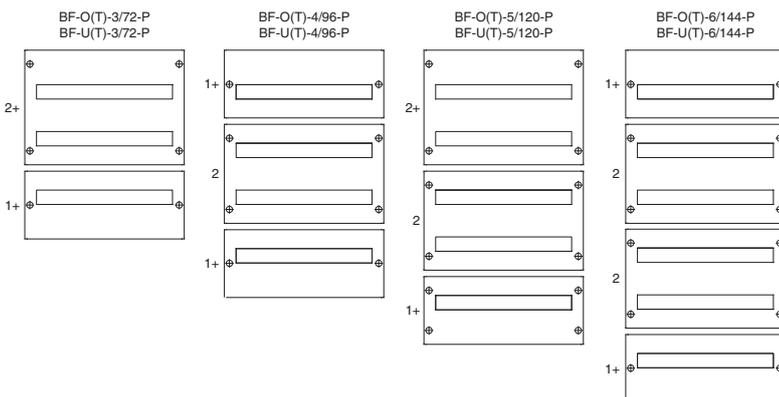


##### 33 MUs per row



#### Allocation of front plate (delivery status), Version P

##### 24 MUs per row



wa\_v100913



wa\_v106213



## Description

- Surface-mounted Flat Distribution Board
- 2- to 6-rows 24 MUs/row (versions A, E, C)
- 4- to 6-rows 33 MUs/row (versions A, C, P)
- IP30
- Protection class I
- Sheet steel enclosure polyesterpowder coated (white RAL 9016; Version C also in grey RAL 7035)
- Prepared for Eaton MCCB Incoms
- Metal front plates with contact point at the enclosure
- Removable DIN rail frame
- Generous wiring space
- 150 mm DIN rail distance (ideal for switchgear busbar system)
- Complete enclosure (including N/PE terminals)
- Depth: 140 mm
- Universal mounting plate



MU per row / rows

Type  
Designation

Article No.    Pack  
                         (pcs.)

### BF-O surface-mounted Flat Distribution Boards, IP30, Version A

Scope of delivery:

- Enclosure
- Door with Rotary Door handle
- DIN rail frame
- Cable Entry Flange (above)
- Front panels
- Protective and neutral conductor terminals

### BF-O-./..-A Surface-mounted Flat Distribution Boards, complete

#### White

24 / 2	BF-O-2/48-A	240732	1
24 / 3	BF-O-3/72-A	240733	1
24 / 4	BF-O-4/96-A	240734	1
24 / 5	BF-O-5/120-A	240735	1
24 / 6	BF-O-6/144-A	240736	1
33 / 4	BF-O-4/132-A	240742	1
33 / 5	BF-O-5/165-A	240743	1
33 / 6	BF-O-6/198-A	240744	1

wa\_v101813



**Description BF-O surface-mounted Flat Distribution Boards, IP30, Version A**

- Flat installation distribution board for surface-mounting
- 2- to 6-rowss with 24 module units (MU) per row
- 4- to 6-rowss with 33 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- 3 cable entry flanges at flat distribution board with 33 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)
- Steel sheet door with window is available as accessory (BFZ-OTT-./...)

**DIN rail frame:**

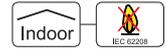
- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-O-ITMPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

		<b>BF-O-./..-A</b>
<b>Electrical</b>		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30 according to EN 60529	
Protection class	I	
Rated voltage	240/415 V AC; 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125/160 A (according to Incoming switch)	
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:		
BF-O-2/48	74 W	
BF-O-3/72	88 W	
BF-O-4/96	102 W	
BF-O-4/132	128 W	
BF-O-5/120	117 W	
BF-O-5/165	139 W	
BF-O-6/144	131 W	
BF-O-6/198	155 W	
<b>Mechanical</b>		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
<b>N/PE terminal equipment (max. 63 A)</b>	<b>N [mm<sup>2</sup>]</b>	<b>PE [mm<sup>2</sup>]</b>
BF-O-2/48	2x 25 + 9x 16	2x 25 + 27x 16
BF-O-3/72	2x 25 + 9x 16	2x 25 + 27x 16
BF-O-4/96	2x 25 + 9x 16	2x 25 + 43x 16
BF-O-4/132	2x 25 + 9x 16	2x 25 + 58x 16
BF-O-5/120	2x 25 + 9x 16	2x 25 + 58x 16
BF-O-5/165	2x 25 + 9x 16	2x 25 + 74x 16
BF-O-6/144	2x 25 + 9x 16	2x 25 + 58x 16
BF-O-6/198	2x 25 + 9x 16	2x 25 + 74x 16



MU per row / rows

Type  
Designation

Article No.    Pack  
                          (pcs.)

### BF-O surface-mounted Flat Distribution Boards, IP30, Version P

Scope of delivery:

- Enclosure
- Door with Rotary Door handle (with or without window)
- DIN rail frame
- Cable Entry Flange (above)
- Front panels
- Protective and neutral conductor terminals

#### BF-O-./...(-G)-P Surface-mounted Flat Distribution Boards, without inspection window, complete

White

24 / 3	BF-O-3/72-P	285345	1
24 / 4	BF-O-4/96-P	285346	1
24 / 5	BF-O-5/120-P	285347	1
24 / 6	BF-O-6/144-P	285348	1

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#### BF-OT-./...(-G)-P Surface-mounted Flat Distribution Boards, with inspection window, complete

White

24 / 3	BF-OT-3/72-P	289099	1
24 / 4	BF-OT-4/96-P	289130	1
24 / 5	BF-OT-5/120-P	289131	1
24 / 6	BF-OT-6/144-P	289132	1

wa\_v106213



**Description BF-O surface-mounted Flat Distribution Boards, IP30, Version P**

- Flat installation distribution board for surface-mounting
- 3- to 6-rowss with 24 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white or steel sheet door with window and rotary door handle white in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)

**DIN rail frame:**

- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-O-ITMPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

		<b>BF-O-./.-P</b>
<b>Electrical</b>		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30 according to EN 60529	
Protection class	I	
Rated voltage	240/415 V AC; 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125/160 A (according to Incoming switch)	
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:		
BF-O-3/72	88 W	
BF-O-4/96	102 W	
BF-O-5/120	117 W	
<b>Mechanical</b>		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
<b>N/PE terminal equipment (max. 63 A)</b>	N [mm <sup>2</sup> ]	PE [mm <sup>2</sup> ]
BF-O-3/72	2x 25 + 43x 16	2x 25 + 43x 16
BF-O-4/96	2x 25 + 58x 16	2x 25 + 58x 16
BF-O-5/120	2x 25 + 58x 16	2x 25 + 58x 16
BF-O-6/144	2x 25 + 58x 16	2x 25 + 58x 16

**Cable entries above**

24 MUs per row	
2x Flange:	14x ø11mm 8x ø15mm 2x ø28mm
Relief stamp:	2x M32/M40

**Cable entries below**

24 MUs per row	
Relief stamp:	2x M32/M40 6x M25 8x M20



MU per row / rows

Type  
Designation

Article No. Pack  
(pcs.)

### BF-O surface-mounted Flat Distribution Boards, IP30, Version C

Scope of delivery:

- Enclosure (white or grey)
- Door with Rotary Door handle (white and grey with or without window)
- DIN rail frame
- Cable Entry Flange (above)
- Front panels (white or grey)
- Protective and neutral conductor terminals

### BF-O-./...(-G)-C Surface-mounted Flat Distribution Boards, without inspection window, complete

#### White

wa\_vt01813



24 / 2	BF-O-2/48-C	113685	1
24 / 3	BF-O-3/72-C	283031	1
24 / 4	BF-O-4/96-C	283032	1
24 / 5	BF-O-5/120-C	283033	1
24 / 6	BF-O-6/144-C	283034	1
33 / 4	BF-O-4/132-C	103091	1
33 / 5	BF-O-5/165-C	103092	1
33 / 6	BF-O-6/198-C	103093	1

#### Grey

wa\_vt01913



24 / 2	BF-O-2/48-G-C	113686	1
24 / 3	BF-O-3/72-G-C	283044	1
24 / 4	BF-O-4/96-G-C	283045	1
24 / 5	BF-O-5/120-G-C	283046	1
24 / 6	BF-O-6/144-G-C	283047	1
33 / 4	BF-O-4/132-G-C	103094	1
33 / 5	BF-O-5/165-G-C	103095	1
33 / 6	BF-O-6/198-G-C	103096	1

### BF-OT-./...(-G)-C Surface-mounted Flat Distribution Boards, with inspection window, complete

#### White

wa\_vt06213



24 / 2	BF-OT-2/48-C	113687	1
24 / 3	BF-OT-3/72-C	103103	1
24 / 4	BF-OT-4/96-C	103104	1
24 / 5	BF-OT-5/120-C	103105	1
24 / 6	BF-OT-6/144-C	103106	1
33 / 4	BF-OT-4/132-C	103107	1
33 / 5	BF-OT-5/165-C	103108	1
33 / 6	BF-OT-6/198-C	103109	1

#### Grey

wa\_vt07613



24 / 2	BF-OT-2/48-G-C	113688	1
24 / 3	BF-OT-3/72-G-C	103110	1
24 / 4	BF-OT-4/96-G-C	103111	1
24 / 5	BF-OT-5/120-G-C	103112	1
24 / 6	BF-OT-6/144-G-C	103113	1
33 / 4	BF-OT-4/132-G-C	103114	1
33 / 5	BF-OT-5/165-G-C	103115	1
33 / 6	BF-OT-6/198-G-C	103116	1

**Description BF-O surface-mounted Flat Distribution Boards, IP30, Version C**

- Flat installation distribution board for surface-mounting
- 2- to 6-rowss with 24 module units (MU) per row
- 4- to 6-rowss with 33 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white and gray in the scope of delivery
- Steel sheet door with window white and grey in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)

**DIN rail frame:**

- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-O-ITMPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

<b>BF-O-./.-C</b>		
<b>Electrical</b>		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30 according to EN 60529	
Protection class	I	
Rated voltage	240/415 V AC; 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125/160 A (according to Incoming switch)	
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:		
BF-O(T)-2/48	74 W	
BF-O(T)-3/72	88 W	
BF-O(T)-4/96	102 W	
BF-O(T)-4/132	128 W	
BF-O(T)-5/120	117 W	
BF-O(T)-5/165	139 W	
BF-O(T)-6/144	131 W	
BF-O(T)-6/198	155 W	
<b>Mechanical</b>		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016, grey RAL 7035	
Distance between DIN rails	150 mm	
<b>N/PE terminal equipment (max. 63 A)</b>	N [mm <sup>2</sup> ]	PE [mm <sup>2</sup> ]
BF-O-2/48	2x 25 + 43x 16	2x 25 + 43x 16
BF-O-3/72	2x 25 + 43x 16	2x 25 + 43x 16
BF-O-4/96	2x 25 + 43x 16	2x 25 + 43x 16
BF-O-4/132	2x 25 + 58x 16	2x 25 + 58x 16
BF-O-5/120	2x 25 + 43x 16	2x 25 + 43x 16
BF-O-5/165	2x 25 + 58x 16	2x 25 + 58x 16
BF-O-6/144	2x 25 + 43x 16	2x 25 + 43x 16
BF-O-6/198	2x 25 + 58x 16	2x 25 + 58x 16

### Cable entries above

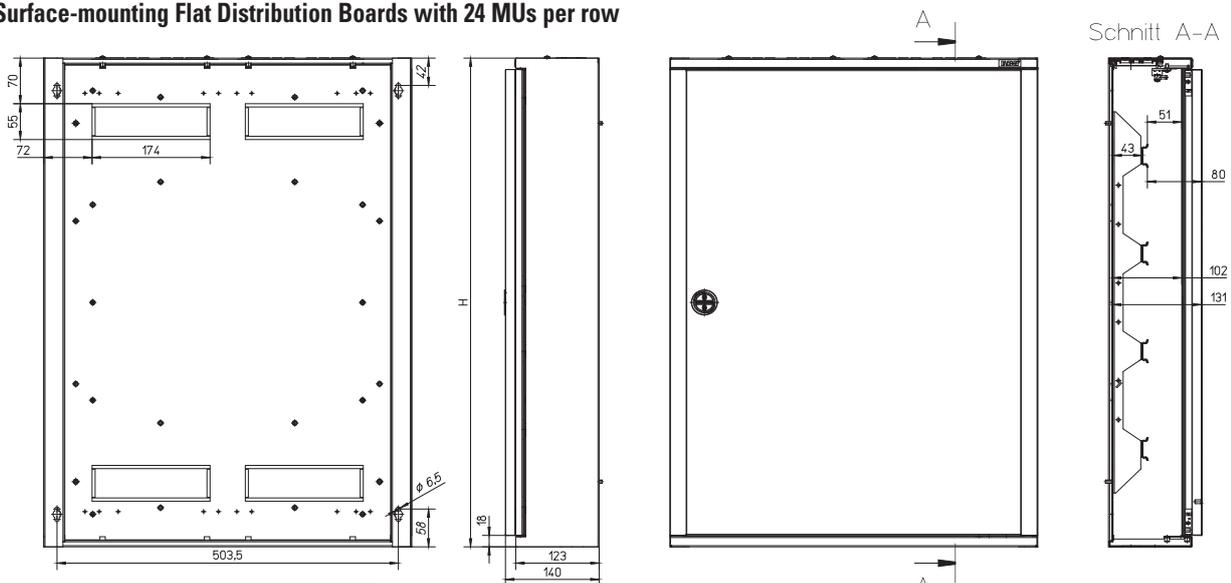
24 MUs per row		33 MUs per row	
2x Flange:	14x $\phi 11$ mm 8x $\phi 15$ mm 2x $\phi 28$ mm	3x Flange:	14x $\phi 11$ mm 8x $\phi 15$ mm 2x $\phi 28$ mm
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40

### Cable entries below

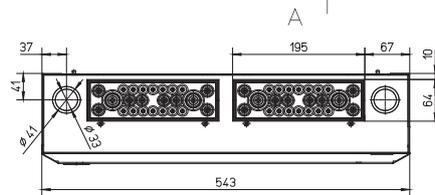
24 MUs per row		33 MUs per row	
Relief stamp:	2x M32/M40 6x M25 8x M20	Relief stamp:	1x M32/M40 12x M25 8x M20

### Dimensions (mm)

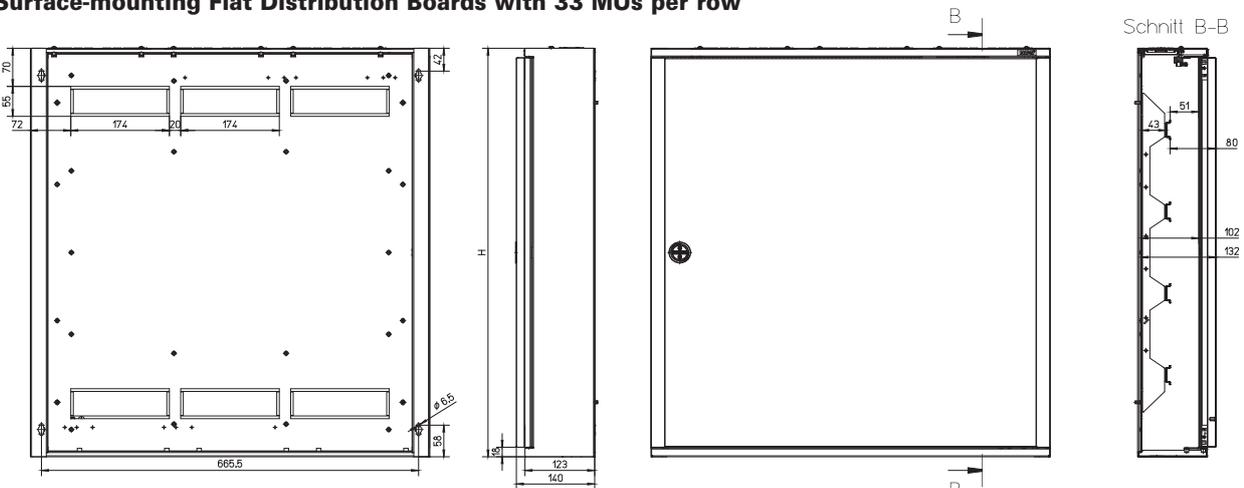
#### Surface-mounting Flat Distribution Boards with 24 MUs per row



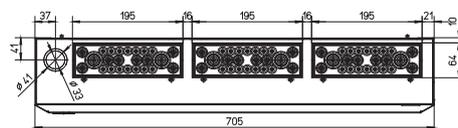
Type	H
BF-O(T)-2/48	450
BF-O(T)-3/72	600
BF-O(T)-4/96	750
BF-O(T)-5/120	900
BF-O(T)-6/144	1050

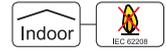


#### Surface-mounting Flat Distribution Boards with 33 MUs per row



Type	H
BF-O(T)-4/132	750
BF-O(T)-5/165	900
BF-O(T)-6/198	1050





MU per row / rows

Type  
Designation

Article No.    Pack  
                    (pcs.)

## BF-O surface-mounted Flat Distribution Boards, IP30, Version E

Scope of delivery:

- Enclosure
- Door with Rotary Door handle Profi-Line
- DIN rail frame
- Cable Entry Flange (above)
- Front panels
- Protective and neutral conductor terminals

### BF-O-./...-E Surface-mounted Flat Distribution Boards, without inspection window, complete

**White**

24 / 2	BF-O-2/48-E	283040	1
24 / 3	BF-O-3/72-E	283041	1
24 / 4	BF-O-4/96-E	283042	1
24 / 5	BF-O-5/120-E	283043	1
24 / 6	BF-O-6/144-E	285220	1
33 / 5	BF-O-5/165-E	193699	1
33 / 6	BF-O-6/198-E	193700	1

wa\_vt01713



### BF-OT-./...-E Surface-mounted Flat Distribution Boards, with inspection window, complete

**White**

24 / 2	BF-OT-2/48-E	193701	1
24 / 3	BF-OT-3/72-E	193702	1
24 / 4	BF-OT-4/96-E	193703	1
24 / 5	BF-OT-5/120-E	193704	1
24 / 6	BF-OT-6/144-E	193705	1
33 / 5	BF-OT-5/165-E	193706	1
33 / 6	BF-OT-6/198-E	193707	1

wa\_vt01713



**Description BF-O surface-mounted Flat Distribution Boards, IP30, Version E**

- Flat installation distribution board for surface-mounting
- 2- to 6-rowss with 24 module units (MU) per row
- 5- to 6-rowss with 33 module units (MU) per row

**Enclosure:**

- Closed construction including rear wall
- Rear wall useable as mounting area
- 2 cable entry flanges at flat distribution board with 24 MU width at the top
- Pre stamped cable entry openings at the bottom
- Terminals pre mounted at the enclosure (no losing of module units)

**Wall pan:**

- Wall pan with door frame
- Rear wall useable as mounting area
- Easy removeable knock-outs
- 127 mm depth
- Terminals pre mounted at the enclosure (no losing of module units)
- 4 lateral mounting straps

**Door:**

- Steel sheet door with rotary door handle white in the scope of delivery
- Steel sheet door with window white in the scope of delivery
- Steel sheet door with additional depth (required to install RMQ-Components at the door) is available as accessory (BFZ-OTR-./...)

**DIN rail frame:**

- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET(/33))
- EUniversal mounting set for flush mounted enclosure (BFZ-O-ITMPL..)

**Front plate:**

- Contacting of the metal front plate by special catch on enclosure

**Technical Data**

	BF-O-./..-E	
<b>Electrical</b>		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30 according to EN 60529	
Protection class	I	
Rated voltage	240/415 V AC; 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125/160 A (according to Incoming switch)	
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:		
BF-O(T)-2/48	74 W	
BF-O(T)-3/72	88 W	
BF-O(T)-4/96	102 W	
BF-O(T)-5/120	117 W	
BF-O(T)-6/144	131 W	
BF-O(T)-5/165	139 W	
BF-O(T)-6/198	155 W	
<b>Mechanical</b>		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
<b>N/PE terminal equipment (max. 63 A)</b>	N [mm <sup>2</sup> ]	PE [mm <sup>2</sup> ]
BF-O(T)-2/48	2x 25 + 13x 16	2x 25 + 13x 16
BF-O(T)-3/72	2x 25 + 13x 16	2x 25 + 13x 16
BF-O(T)-4/96	2x 25 + 27x 16	2x 25 + 27x 16
BF-O(T)-5/120	2x 25 + 27x 16	2x 25 + 27x 16
BF-O(T)-6/144	2x 25 + 27x 16	2x 25 + 27x 16
BF-O(T)-5/165	2x 25 + 43x 16	2x 25 + 43x 16
BF-O(T)-6/198	2x 25 + 43x 16	2x 25 + 43x 16

**Cable entries above**

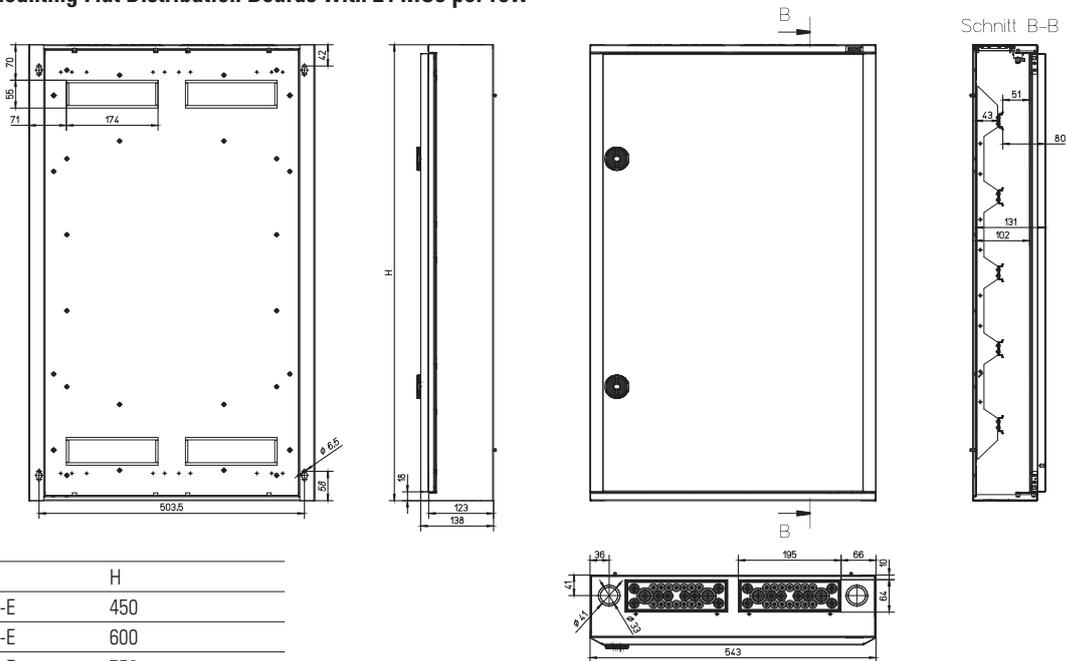
24 MUs per row		33 MUs per row	
2x Flange:	14x $\phi$ 11mm 8x $\phi$ 15mm 2x $\phi$ 28mm	3x Flange:	14x $\phi$ 11mm 8x $\phi$ 15mm 2x $\phi$ 28mm
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40

**Cable entries below**

24 MUs per row		33 MUs per row	
Relief stamp:	2x M32/M40 6x M25 8x M20	Relief stamp:	1x M32/M40 12x M25 8x M20

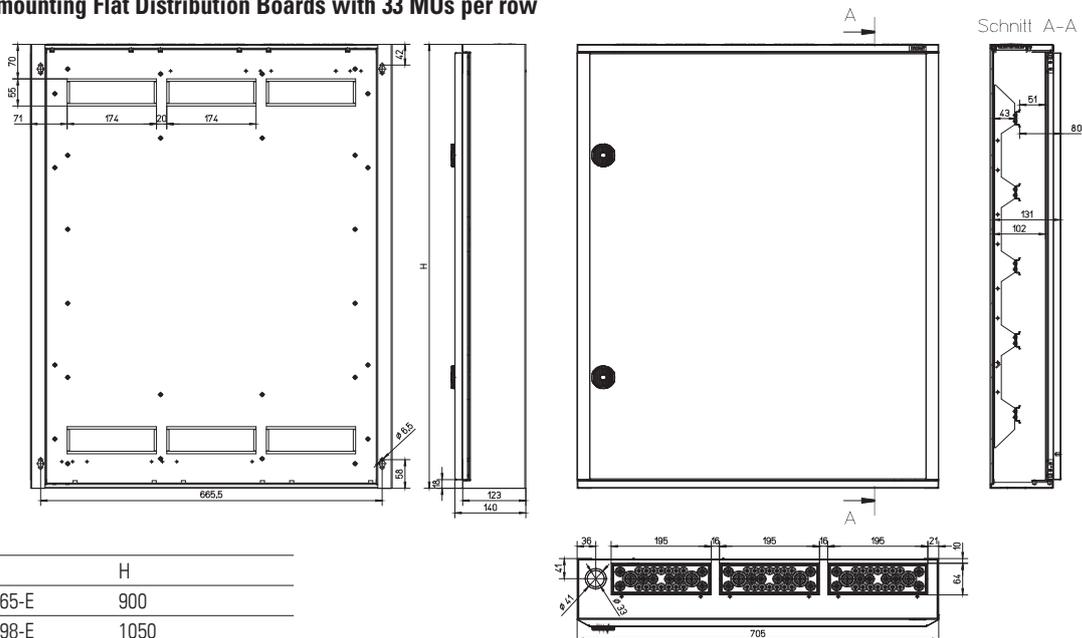
**Dimensions (mm)**

**Surface-mounting Flat Distribution Boards with 24 MUs per row**



Type	H
BF-O(T)-2/48-E	450
BF-O(T)-3/72-E	600
BF-O(T)-4/96-E	750
BF-O(T)-5/120-E	900
BF-O(T)-6/144-E	1050

**Surface-mounting Flat Distribution Boards with 33 MUs per row**

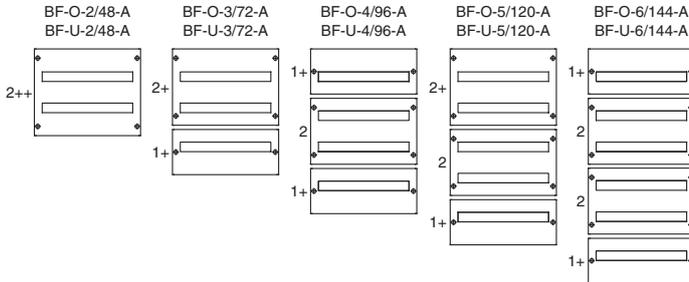


Type	H
BF-O(T)-5/165-E	900
BF-O(T)-6/198-E	1050

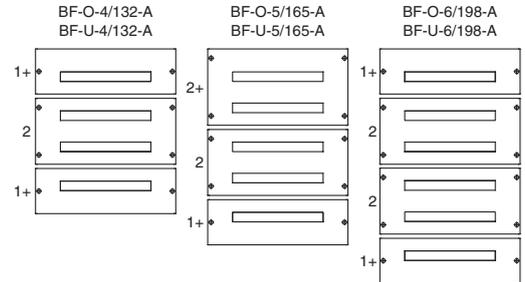
### Allocation of front plate

#### Allocation of front plate (delivery status), Version A

##### 24 MUs per row

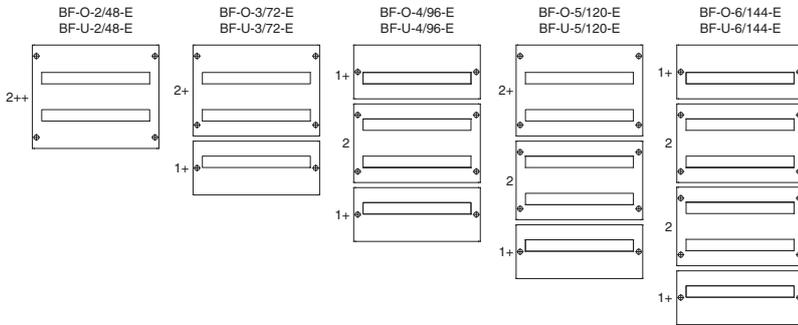


##### 33 MUs per row



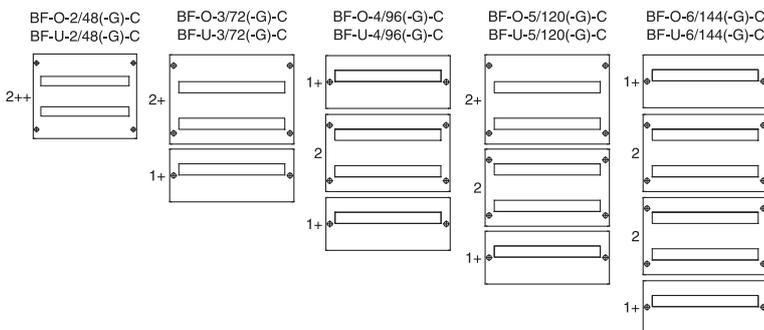
#### Allocation of front plate (delivery status), Version E

##### 24 MUs per row

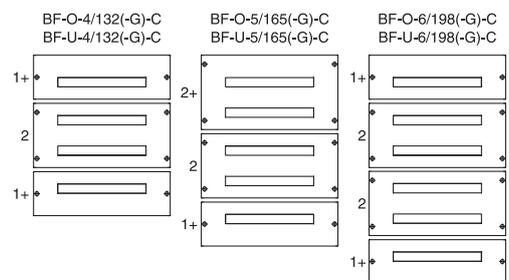


#### Allocation of front plate (delivery status), Version C

##### 24 MUs per row

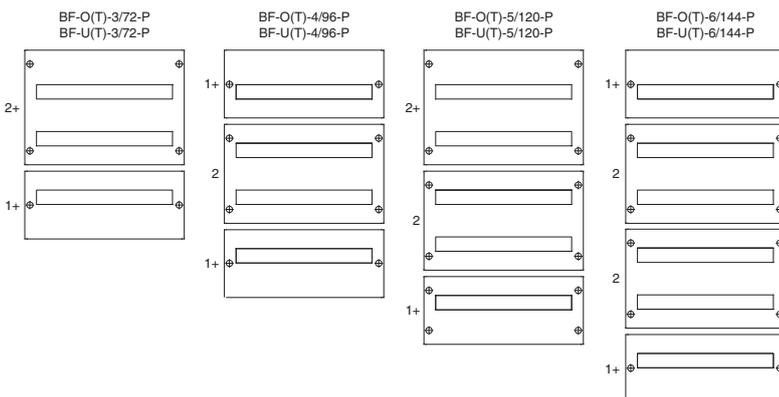


##### 33 MUs per row



#### Allocation of front plate (delivery status), Version P

##### 24 MUs per row



vi42417\_r

vi41517\_r



## Description

- Degree of protection IP31, IK08
- Protection class II, totally insulated
- 225 mm enclosure depth
- Complete with door and installation field for add-on devices
- Combined plug-type terminals for neutral and protective conductor
- Device cover with quick-acting closure
- 36 to 288 module units, 3 to 6-rows
- 14 different enclosure sizes
- Larger enclosures with 3-point lock
- Fully removable DIN support rack
- Stable and torsion-resistant DIN rail
- Large wiring area behind the DIN rail
- Possibility of direct fixing on the wall
- Fast and easy inversion of the door hinges
- 2K membrane flanges

### EWK Surface-mounted Field Distribution Boards, IP31

#### Type Key

<b>EWK</b>	-	<b>G</b>	<b>1</b>		<b>3</b>	/	<b>31</b>
Surface-mounted	-		Width MU	mm	Height	mm	IP
Section					Rows		
Distribution Boxes							
complete							
			1	300	3	500	31
			2	550	4	650	
			3	800	5	800	
			4	1050	6	950	

### Legend EWK Surface-mounted Field Distribution Boards

Symbol	Explanation
	Totally insulated, according to EN 60670-24.
	Only for indoor applications.
	Resistance to abnormal heat and fire according to IEC/EN 62208.



Rows / MU	Description	Dimensions W x H x D [mm]	Type Designation	Article No.	Pack (pcs.)
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**EWK Surface-mounted Field Distribution Boards, IP31**

- Degree of protection IP31, IK08
- Protection class II, totally insulated
- Surface-mounted, enclosure depth of 225 mm
- Complete with door and installation field for add-on devices
- Combined plug-type terminals for neutral and protective conductor are included
- Device cover with quick-acting closure
- Fully removable DIN support rack
- Stable and torsion-resistant DIN rail
- Large wiring area behind the DIN rail
- Possibility of direct fixing on the wall
- Wall-fastening straps are optionally available as an accessory
- Fast and easy inversion of the door hinges, 110° opening angle
- As of a width of 800 mm, the Distribution Board comes with a 3-point lock
- Standard closure is made of plastic, other types of closures are available as an optional accessory
- 2K membrane flanges, at the top and bottom
- Body and door RAL9016, powder-coated
- According to EN 61439-3, rated current max. 125 A

**3-rows**

vt42417\_r



3 / 36	with 1x PE- and 1x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	300x500x225	EWK-G13/31	193157	1
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vt01718\_r



3 / 72	with 2x PE- and 2x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	550x500x225	EWK-G23/31	193161	1
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vt01518\_r



3 / 108	with 3x PE- and 3x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	800x500x225	EWK-G33/31	193165	1
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Rows / MU	Description	Dimensions W x H x D [mm]	Type Designation	Article No.	Pack (pcs.)
<b>4-rows</b>					
vt42117_r 	4 / 48 with 1x PE- and 1x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	300x650x225	EWK-G14/31	193158	1
vt42017_r 	4 / 96 with 2x PE- and 2x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	550x650x225	EWK-G24/31	193162	1
vt01318_r 	4 / 144 with 3x PE- and 3x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	800x650x225	EWK-G34/31	193166	1



Rows / MU	Description	Dimensions W x H x D [mm]	Type Designation	Article No.	Pack (pcs.)
<b>5-rows</b>					
vt00918_r 	5 / 60 with 1x PE- and 1x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	300x800x225	EWK-G15/31	193159	1
vt01118_r 	5 / 120 with 2x PE- and 2x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	550x800x225	EWK-G25/31	193163	1
vt01717_r 	5 / 180 with 3x PE- and 3x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	800x800x225	EWK-G35/31	193167	1
vt00318 	5 / 240 with 4x PE- and 4x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	1050x800x225	EWK-G45/31	193169	1

# 1.100

## Compact Distribution Boxes

xComfort

EWK Surface-mounted Field Distribution Boards, IP31



Rows / MU	Description	Dimensions W x H x D [mm]	Type Designation	Article No.	Pack (pcs.)
<b>6-rows</b>					
 vt00718_r	6 / 72 with 1x PE- and 1x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	300x950x225	EWK-G16/31	193160	1
 vt00518_r	6 / 144 with 2x PE- and 2x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	550x950x225	EWK-G26/31	193164	1
 vt00118_r	6 / 216 with 3x PE- and 3x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	800x950x225	EWK-G36/31	193168	1
 vt41517_r	6 / 288 with 4x PE- and 4x N-combination plug-type terminal 6x 1.5-16 mm <sup>2</sup> + 21x 0,75-4 mm <sup>2</sup>	1050x950x225	EWK-G46/31	193170	1

## Technical Data

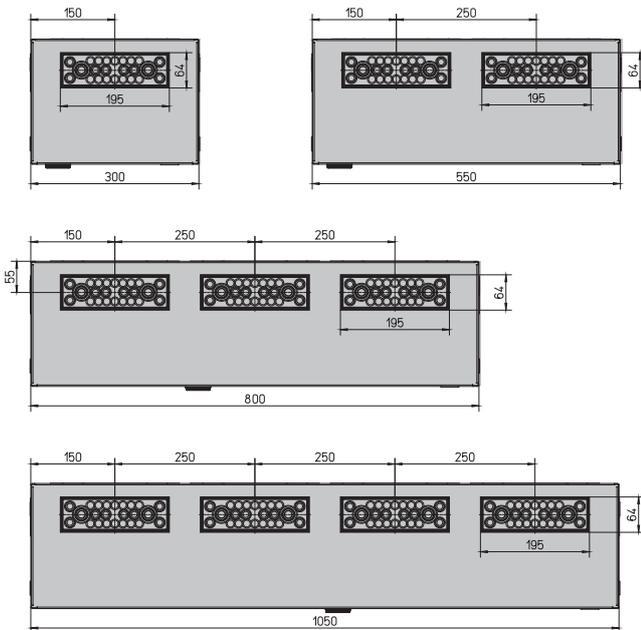
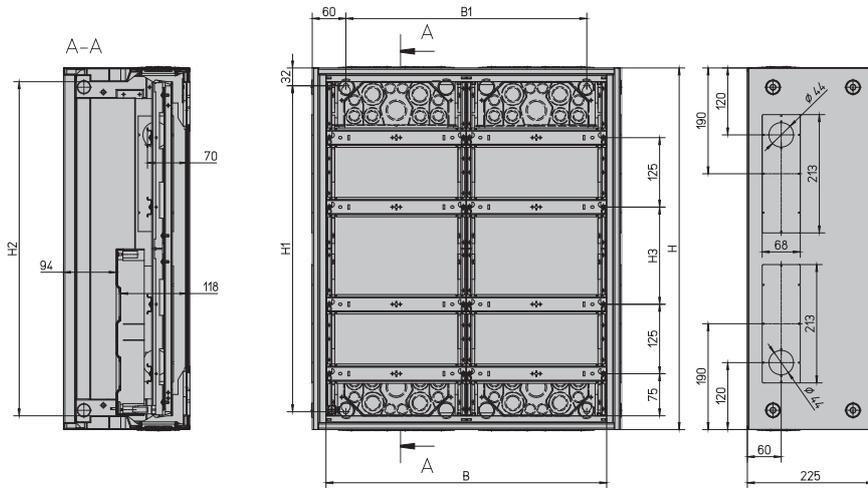
<b>EWK</b>	
<b>Electrical</b>	
Version according to	DIN VDE 0603 part 1
Degree of protection	IP31 according to EN 60529
Protection class	II, totally insulated according to DIN 43870
Rated voltage	400 V AC
Max. rated current	250 A
<b>Mechanical</b>	
Material	
Enclosure	Sheet steel, powder-coated with corrosion protection, inside lined with plastic (Polystyrole)
Door/frame	Sheet steel, powder-coated with corrosion protection
Colour	
Enclosure	white RAL 9016
Door	non-transparent, white RAL 9016
Door opening angle	110°
Distance between rows	125 mm
Support rail for devices	DIN rail 35 x 15 mm sheet steel, galvanised
Type of installation	Indoor
<b>Pre-punched metric areas</b>	
EWK-G1...	1x 2K membrane flange top 1x 2K membrane flange bottom
EWK-G2...	2x 2K membrane flange top 2x 2K membrane flange bottom
EWK-G3...	3x 2K membrane flange top 3x 2K membrane flange bottom
EWK-G4...	4x 2K membrane flange top 4x 2K membrane flange bottom
Per 2K membrane flange	1x 5-47 mm 2x 5-29 mm 2x 5-18 mm 28x 5-11 mm 2x 5-9 mm 2x 16/21/29/38 mm 10x 16 mm

## Power loss

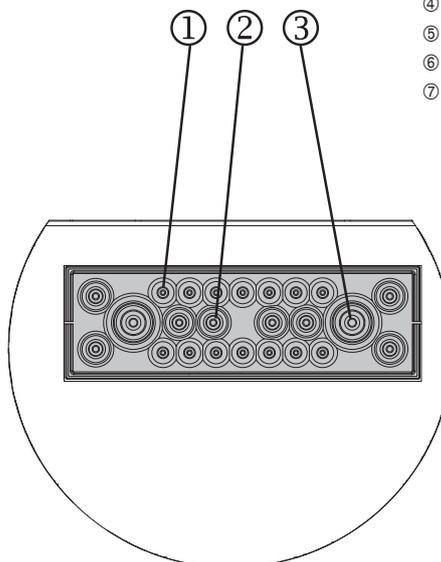
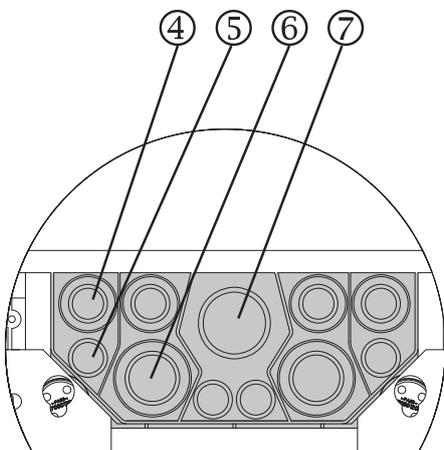
Maximum permissible power loss of all installed devices in the distribution box at 20°K temperature difference and 75% of hight

	P <sub>v</sub>	at ΔT 20 K	
		at ΔT 20 K	at ΔT 35 K
EWK-G13/31		33 W	65 W
EWK-G14/31		40 W	80 W
EWK-G15/31		47 W	94 W
EWK-G16/31		54 W	107 W
EWK-G23/31		48 W	96 W
EWK-G24/31		58 W	116 W
EWK-G25/31		68 W	136 W
EWK-G26/31		75 W	150 W
EWK-G33/31		63 W	126 W
EWK-G34/31		66 W	132 W
EWK-G35/31		80 W	160 W
EWK-G36/31		97 W	195 W
EWK-G45/31		101 W	202 W
EWK-G46/31		133 W	266 W

### Dimensions (mm)



Type	Article-No.	B	B1	H	H1	H2	H3
EWK-G13/31	193157	250	180	500	437	450	125
EWK-G14/31	193158	250	180	650	587	600	175
EWK-G15/31	193159	250	180	800	737	750	175
EWK-G16/31	193160	250	180	950	887	900	167/157
EWK-G23/31	193161	500	430	500	437	450	125
EWK-G24/31	193162	500	430	650	587	600	175
EWK-G25/31	193163	500	430	800	737	750	175
EWK-G26/31	193164	500	430	950	887	900	167/157
EWK-G33/31	193165	750	680	500	437	450	125
EWK-G34/31	193166	750	680	650	587	600	175
EWK-G35/31	193167	750	680	800	737	750	175
EWK-G36/31	193168	750	680	950	887	900	167/157
EWK-G45/31	193169	1000	930	800	737	750	175
EWK-G46/31	193170	1000	930	950	887	900	175



- ① 14x Ø 11 mm
- ② 8x Ø 15 mm
- ③ 2x Ø 28 mm
- ④ 4x Ø 16/20/28/30 mm
- ⑤ 4x Ø 16/20 mm
- ⑥ 2x Ø 24/28/38/40 mm
- ⑦ 1x Ø 32/37 mm

VT30414



VT29914



VT30314



VT27614



v21515



vt115714



# 1.104 Compact Distribution Boxes

xComfort

Additional Equipment / Spare Parts Mini

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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## Additional Equipment / Spare Parts Mini

### Window

V179314



1 / 2	Transparent window	T2-MINI	177076	1 / 10
1 / 3	Transparent window	T3-MINI	177077	1 / 10
1 / 4	Transparent window	T4-MINI	177078	1 / 10
1 / 5	Transparent window	T5-MINI	177079	1 / 10
1 / 6	Transparent window	T6-MINI	177080	1 / 10

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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## Additional Equipment / Spare Parts IKA-...

### Lock with 2 spare keys

VT30414



all IKA	lock with 2 keys, keyed alike	LOCK-KIT-IKA	174166	1
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### Linking element

all IKA	M32 linking element for linking several IKA enclosures placed next to each other	M32LUG-IKA	174168	2
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### IP2X Screw-type terminal

VT29914



1 / 4	N/PE screw-type terminal	N/PE-4-IKA	174169	1
1 / 6	3x 2.5-6 + 1x 4-10 mm <sup>2</sup> each and 1x 16-35 mm <sup>2</sup> each			
1 / 8	N/PE screw-type terminal	N/PE-8-IKA	174171	1
	5x 2.5-6 + 3x 4-10 mm <sup>2</sup> each and 1x 16-35 mm <sup>2</sup> each			
1 / 12	N/PE screw-type terminal	N/PE-12-IKA	174172	1
	6x 2.5-6 + 6x 4-10 mm <sup>2</sup> each and 1x 10-25 + 1x 16-35 mm <sup>2</sup> each			
2 / 24	N/PE screw-type terminal	N/PE-24-IKA	174173	1
1 / 18	8x 2.5-6 + 8x 4-10 mm <sup>2</sup> each and 1x 10-25 + 1x 16-35 mm <sup>2</sup> each			
3 / 36	N/PE screw-type terminal	N/PE-3/36-IKA	174174	1
2 / 36	12x 2.5-6 + 12x 4-10 mm <sup>2</sup> each and 1x 10-25 + 1x 16-35 mm <sup>2</sup>			
3 / 54	each			

Cable entry	Hole diameter mm	Outer cable diameter mm	Specifications for NYM/NYY, 4-wire cables mm <sup>2</sup>	Type Designation	Article No.	Pack (pcs.)
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### Metric diaphragm grommets

- IP66, with built-in push-through diaphragm
- PE and thermoplastic elastomer, halogen free

VT06508



M16	16.5	1 – 9	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 1 x 16/3 x 1.5 mm <sup>2</sup>	KT-M16	216983	100
M20	20.5	1 – 13	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 5 x 1.5/5 x 2.5 mm <sup>2</sup>	KT-M20	207602	100
M25	25.5	1 – 18	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 4 x 10 mm <sup>2</sup>	KT-M25	207603	100
M32	32.5	1 – 25	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 4 x 16/5 x 10 mm <sup>2</sup>	KT-M32	207604	100

### Metric cable glands according to EN 50262

- Metric cable glands with lock nut and built-in strain relief
- IP68 up to 5 bar, polyamide, halogen free
- Flammability classification V2 according to UL94

VT05708



M12	12.5	3 – 7	H03VV-F 3 x 0.75 mm <sup>2</sup> , NYM 1 x 2.5 mm <sup>2</sup>	V-M12	215078	20
M16	16.5	4.5 – 10	H05VV-F 3 x 1.5 mm <sup>2</sup> , NYM 1 x 16/3 x 1.5 mm <sup>2</sup>	V-M16	215077	20
M20	20.5	6 – 13	H05VV-F 4 x 2.5/3 x 4 mm <sup>2</sup> , NYM 5 x 1.5/5 x 2.5 mm <sup>2</sup>	V-M20	206910	20
M25	25.5	9 – 17	H05VV-F 5 x 2.5/5 x 4 mm <sup>2</sup> , NYM 5 x 2.5/5 x 6 mm <sup>2</sup>	V-M25	206911	20
M32	32.5	13 – 21	NYM 5 x 10 mm <sup>2</sup>	V-M32	206912	10
M40	40.5	16 – 28	NYM 5 x 16 mm <sup>2</sup>	V-M40	209668	10
M50	50.5	21 – 35	NYM 4 x 35/5 x 25 mm <sup>2</sup>	V-M50	206913	5
M63	63.5	34 – 48	NYM 4 x 35 mm <sup>2</sup>	V-M63	214835	3

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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### Spare closing bolts

VT30114



all IKA	Closing plug made of insulating material, lead-sealable	BOLT-IKA	174178	20
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### Spare hinges

VT30214



all IKA	Hinges made of insulating material	HINGE-IKA	174186	20
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### Spare lock

VT30314



all IKA	Lock consisting of locking unit and logo clip	ETN-IKA	174185	10
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### Spare plug

VT30014



all IKA	Plugs for covering the holes for wall-mounting	HCAP-IKA	174167	20
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### Spare doors

VT27614



1 / 4	Transparent, lock inclusive	DOOR-1/4-T-IKA	174179	1
	Non-transparent, lock inclusive	DOOR-1/4-R-IKA <sup>1)</sup>	174227	1
1 / 6	Transparent, lock inclusive	DOOR-1/6-T-IKA	174180	1
	Non-transparent, lock inclusive	DOOR-1/6-R-IKA <sup>1)</sup>	174228	1
1 / 8	Transparent, lock inclusive	DOOR-1/8-T-IKA	174181	1
	Non-transparent, lock inclusive	DOOR-1/8-R-IKA <sup>1)</sup>	174229	1
1 / 12	Transparent, lock inclusive	DOOR-1/12-T-IKA	174182	1
	Non-transparent, lock inclusive	DOOR-1/12-R-IKA <sup>1)</sup>	174230	1
2 / 24	Transparent, lock inclusive	DOOR-2/24-T-IKA	174183	1
	Non-transparent, lock inclusive	DOOR-2/24-R-IKA <sup>1)</sup>	174231	1
3 / 36	Transparent, lock inclusive	DOOR-3/36-T-IKA	174223	1
	Non-transparent, lock inclusive	DOOR-3/36-R-IKA <sup>1)</sup>	174232	1
1 / 18	Transparent, lock inclusive	DOOR-1/18-T-IKA	174224	1
	Non-transparent, lock inclusive	DOOR-1/18-R-IKA <sup>1)</sup>	174233	1
2 / 36	Transparent, lock inclusive	DOOR-2/36-T-IKA	174225	1
	Non-transparent, lock inclusive	DOOR-2/36-R-IKA <sup>1)</sup>	174234	1
3 / 54	Transparent, lock inclusive	DOOR-3/54-T-IKA	174226	1
	Non-transparent, lock inclusive	DOOR-3/54-R-IKA <sup>1)</sup>	174184	1

<sup>1)</sup> Available upon request

### Spar flange plate

vt35016



IKA-C ...-LID	Spar flange plate for IKA-C...-LID	LID1-IKA	187355	1
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	Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
<b>Linking element</b>					
 <p>VT32816</p>	all IKA	Connection piece M25 for connecting multiple enclosures IKA next to each other	M25LUG-IKA	187353	1
 <p>VT32916</p>	all IKA	Connection piece M40 for connecting multiple enclosures IKA next to each other	M40LUG-IKA	187354	1

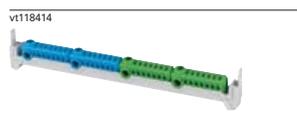
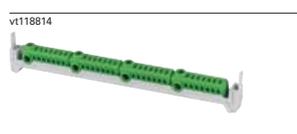
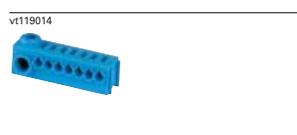
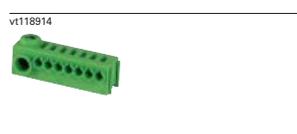
Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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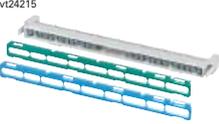
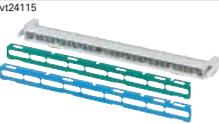
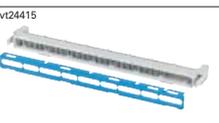
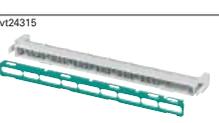
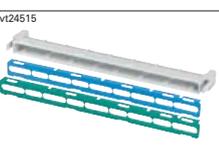
## Additional Equipment / Spare Parts KLV-...

### Combined plug-type terminal

- Combined plug-type terminal with plug-in terminal points for 0.5-4 mm<sup>2</sup> round conductors and screw-type terminal points for 2.5-25 mm<sup>2</sup> round conductors
- Terminal carriers KSK-KLV can be expanded by up to 4 individual N blocks for separate RCD protective circuits, or by additional PE blocks
- Terminal carriers are easy to snap on without any tools
- Finger proof IP2X

### Equipped combined plug-type terminal KSK

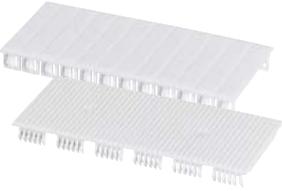
	1x N potential 1x PE potential	N/PE Combined plug-type terminal 2x 2.5-25 mm <sup>2</sup> each and 14x 0.5-4 mm <sup>2</sup> each	KSK-2N/2PE-KLV	178898	1
	1x N potential	N Combined plug-type terminal 4x 2.5-25 mm <sup>2</sup> and 28x 0.5-4 mm <sup>2</sup>	KSK-4N-KLV	178899	1
	2x N potential	N/N Combined plug-type terminal 4x 2.5-25 mm <sup>2</sup> and 28x 0.5-4 mm <sup>2</sup>	KSK-3N/1N-KLV	178900	1
	2x N potential	N/N Combined plug-type terminal 4x 2.5-25 mm <sup>2</sup> and 28x 0.5-4 mm <sup>2</sup>	KSK-2N/2N-KLV	178901	1
	1x PE potential	PE Combined plug-type terminal 4x 2.5-25 mm <sup>2</sup> and 28x 0.5-4 mm <sup>2</sup>	KSK-4PE-KLV	178902	1
<h3>Individual combined plug-type terminal KSK</h3>					
	1x N potential	N Combined plug-type terminal 1x 2.5-25 mm <sup>2</sup> 7x 0.5-4 mm <sup>2</sup>	KSK-N	178903	1/10
	1x PE potential	PE Combined plug-type terminal 1x 2.5-25 mm <sup>2</sup> 7x 0.5-4 mm <sup>2</sup>	KSK-PE	178904	1/10
	KSK-N and KSK-PE	Terminal carrier empty suitable for up to 4x KSK-N and/or 4x KSK-PE	KSK-KLV	178905	1/10

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
<b>Screw-type terminal</b>				
<ul style="list-style-type: none"> <li>• N/PE Screw-type terminal, electric shock protection for 0.75-25 mm<sup>2</sup> round conductors</li> <li>• Terminal carriers SK-KLV can be expanded by additional N blocks for separate RCD protective circuits</li> <li>• The additional block is easy to insert in the terminal carrier</li> <li>• Cover in blue, green or blue/green</li> </ul>				
<b>Equipped screw-type terminal SK</b>				
vt24215	 1x N potential 1x PE potential	N/PE Screw-type terminal 13x 0.75-16 mm <sup>2</sup> (N) and 13x 0.75-16 mm <sup>2</sup> (PE)	SK-13N/PE-KLV	178906 1
vt24115	 1x N potential 1x PE potential	N/PE Screw-type terminal 13x 0.75-16 mm <sup>2</sup> (N) and 16x 0.75-16 mm <sup>2</sup> (PE)	SK-13N/16PE-KLV	178907 1
vt24415	 1x N potential	N Screw-type terminal 25x 0.75-16 mm <sup>2</sup> (N)	SK-25N-KLV	178908 1
vt24315	 1x PE potential	PE Screw-type terminal 25x 0.75-16 mm <sup>2</sup> (N)	SK-25PE-KLV	178909 1
<b>Individual screw-type terminal KL</b>				
VT1800	 N potential or PE potential	1x 25 mm <sup>2</sup> + 3x 16 mm <sup>2</sup>	KL-4	219723 1
		1x 25 mm <sup>2</sup> + 6x 16 mm <sup>2</sup>	KL-7	219724 1
		2x 25 mm <sup>2</sup> + 9x 16 mm <sup>2</sup>	KL-11	219725 1
		2x 25 mm <sup>2</sup> + 13x 16 mm <sup>2</sup>	KL-15	219726 1
		2x 25 mm <sup>2</sup> + 23x 16 mm <sup>2</sup>	KL-25	219727 1
vt24515	 KL-4 to KL-25	Terminal carrier empty suitable for up to 27x screw-terminal points, incl. cover in blue and green	SK-KLV	178910 1
vt24615	 1x N potential	N-FI expansion terminal for wall pan with screw-type terminal 1x 25 mm <sup>2</sup> + 3x 16 mm <sup>2</sup> , incl. cover in blue	N-FI-KLV	178911 1
vt24715	 SK-...KLV	Expansion terminal with screw-type connection 1x 35 mm <sup>2</sup>	KLA	275453 1

# 1.110 Compact Distribution Boxes

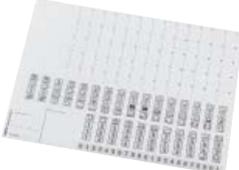
xComfort

Additional Equipment / Spare Parts KLV-...

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
<b>Lock set LOCK-KLV</b>				
 vi23315	KLV-... Lock set for sheet steel door, keyed alike, incl. 2 keys	LOCK-KLV	178930	1
<b>Blanking strip BS-...-WH</b>				
 wa_vt10414, wa_vt10714	All Eaton distribution boards	Blanking strip, white, fine-ribbed, 12 MU	BS-12MF-WH	178975 10/100
		Blanking strip, gray, fine-ribbed, 12 MU	BS-12MF-GY	178980 10/100
		Blanking strip, white, fine-ribbed, 6 MU	BS-6MF-WH	178976 10/100
		Blanking strip, white, rough-ribbed, 12 MU	BS-12MB-WH	178977 10/100
		Blanking strip, gray, rough-ribbed, 12 MU	BS-12MB-GY	178979 10/100
		Blanking strip, white, rough-ribbed, 6 MU	BS-6MB-WH	178978 10/100
<b>Internal partition <sup>1)</sup></b>				
 vi24015	1- to 4-rows KLV-HW... and KLV-UP... Partition horizontal as a partition between the rows, insulation material, can be combined with VS...-KLV	HS-KLV	178931	1
<sup>1)</sup> Nicht for Multimedia geeignet				
 vi23815	KLV-12...	Partition vertical for internal separation, insulation material, can be combined with HS-KLV	VS1-KLV	178932 1
	KLV-24...		VS2-KLV	178933 1
	KLV-36...		VS3-KLV	178934 1
	KLV-48...		VS4-KLV	178935 1
<b>Reinforcement template VSB...-KLV</b>				
 vi25815	KLV-12...	Reinforcement template for poured concrete mounting	VSB1-KLV	178936 1
	KLV-24...		VSB2-KLV	178937 1
	KLV-36...		VSB3-KLV	178938 1
	KLV-48...		VSB4-KLV	178939 1
<b>Industrial cable tie-wrap ITB</b>				
 VT08809	KLV-... Continuously ribbed to the tip, colour natural, flame retardant UL94 V2	ITB1 ITB2 ITB3	083550 085923 088296	1000 1000 100
<b>3D plaster compensation</b>				
 vi22815	KLV-... 3D plaster compensation as a set in a pouch	3D-KLV	178940	1
<b>Hollow-wall anchor</b>				
 vi22715	KLV-... Hollow-wall anchor as a set in a pouch	HWS-KLV	178941	1

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
<b>Nail straps</b>				
vt22615 	KLV-... Nail straps as a set in a pouch	NL-KLV	178942	1
<b>Rotary bolt lock</b>				
vt23215 	KLV-... Rotary bolt lock white	DV-KLV	178943	1
<b>Flange</b>				
vt23515 	KLV-UP Spare flange without spirit level	FUP-KLV	178944	1
	KLV-HW...	FHW-KLV	178945	1
<b>Hinge</b>				
vt22915 	KLV-... Spare hinges 1 pair in a pouch	HP-KLV	178946	1
<b>Cable holder</b>				
vt23115 	KLV-... Cable holder 4 units in a pouch	KH-KLV	178947	1
<b>Closing screws</b>				
vt23015 	KLV-... Closing screws 4 units in a pouch	VS-KLV	178948	1
<b>Wall pan</b>				
vt21515 	KLV-UP... Spare wall pan - flush-mounted	UP1-KLV	178949	1
		UP2-KLV	178950	1
		UP3-KLV	178951	1
		UP4-KLV	178952	1
vt21415 	KLV-HW... Spare wall pan - hollow-wall	HW1-KLV	178953	1
		HW2-KLV	178954	1
		HW3-KLV	178955	1
		HW4-KLV	178956	1

	Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
<b>Carrier rails and structure</b>					
	KLV-...	Spare carrier rails incl. fixing screws	TS1-KLV	178957	1
			TS2-KLV	178958	1
			TS3-KLV	178959	1
			TS4-KLV	178960	1
<b>Device cover</b>					
	KLV-UP...	Spare device cover Flush-mounted	GAU1-KLV	178961	1
			GAU2-KLV	178962	1
			GAU3-KLV	178963	1
			GAU4-KLV	178964	1
	KLV-HW...	Spare device cover Hollow-wall	GAH1-KLV	178965	1
			GAH2-KLV	178912	1
			GAH3-KLV	178913	1
			GAH4-KLV	178914	1
<b>Add-on connector</b>					
	KLV-...	Add-on connector set for distribution boards, side by side, 1 pair in a pouch	AVH-KLV	178915	1
	KLV-...	Add-on connector set for distribution boards, on top of each other, 1 pair in a pouch	AVV-KLV	178916	1
<b>Mounting plate - micro-perforated</b>					
	KLV-36...	Mounting plate, micro-perforated, galvanised sheet steel, incl. fixing screws	MIP3-KLV	178917	1
	KLV-48...		MIP4-KLV	178918	1
<b>Rounded head screw</b>					
	MIP3-KLV MIP4-KLV	Rounded head screw M4x8 thread-forming	EPLHS-M4X8	144028	1/100
<b>Doors</b>					
	KLV-...-F und KLV-...-SF	Spare door white, without hinges and without rotary bolt lock	T1-KLV	178919	1
			T2-KLV	178920	1
			T3-KLV	178921	1
			T4-KLV	178922	1
<b>Doors with ventilation slots</b>					
	KLV-...-F und KLV-...-SF	Spare doors with ventilation slots white, without hinges and without rotary bolt lock	TM3-KLV	178923	1
			TM4-KLV	178924	1

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)	
<b>Door frames</b>					
vt19215 	Spare door frames optionally flat (F) or super flat (SF), white, without hinges and without 3D plaster compensation	flat	TRF1-KLV	178925	1
			TRF2-KLV	178926	1
			TRF3-KLV	178927	1
			TRF4-KLV	178928	1
		super flat	TRSF1-KLV	178929	1
			TRSF2-KLV	178966	1
			TRSF3-KLV	178967	1
			TRSF4-KLV	178968	1
<b>Device holder</b>					
vt21815 	Multimedia Device holder for Multimedia Distribution Boxes, incl. fixing screws	GH-KLV	178969	1	
<b>Single and double electricity socket EURO2</b>					
vt21915, vt22015 	Socket with EURO2 insert and plug-in technology up to 2.5 mm <sup>2</sup> for Multimedia Distribution Boxes, incl. fixing screws	S1-KLV	178970	1	
		S2-KLV	178971	1	
<b>Holding bracket for sockets</b>					
vt22315 	Multimedia Holding bracket for Multimedia Distribution Boxes, incl. fixing screws	HA-KLV	178972	1	
<b>Data module</b>					
vt22215, vt22115 	RJ45	Data module for the carrier rail 1 MU, with RJ45 jack	E-DAT-RJ45	178973	1
	Koaxial	or F/IEC coaxial jack	E-DAT-F/IEC-B	178974	1
<b>Labels sheet</b>					
vt26115 	KLV-... Labels sheet self-adhesive, for power circuit labelling and numbering, photo symbols	KLV-BSB	279268	20	

For MU per rows / Number of rows

Type  
Designation

Article No. Pack  
(pcs.)

### Additional Equipment / Spare Parts BF-O..., BF-U...

#### Doors sheet steel, BFZ-.TS

##### For surface-mounting enclosure white

VT15004



24 / 2	BFZ-OTS-2/48	283070	1
24 / 3	BFZ-OTS-3/72	283071	1
24 / 4	BFZ-OTS-4/96	283072	1
24 / 5	BFZ-OTS-5/120	283073	1
24 / 6	BFZ-OTS-6/144	283074	1
33 / 4	BFZ-OTS-4/132	240756	1
33 / 5	BFZ-OTS-5/165	240757	1
33 / 6	BFZ-OTS-6/198	240758	1

##### For flush-mounting enclosure white

VT15705



24 / 2	BFZ-UTS-2/48	283084	1
24 / 3	BFZ-UTS-3/72	283085	1
24 / 4	BFZ-UTS-4/96	283086	1
24 / 5	BFZ-UTS-5/120	283087	1
24 / 6	BFZ-UTS-6/144	283088	1
33 / 4	BFZ-UTS-4/132	240759	1
33 / 5	BFZ-UTS-5/165	240760	1
33 / 6	BFZ-UTS-6/198	240761	1

##### For surface-mounting enclosure grey

VT04305



24 / 3	BFZ-OTS-3/72-G	283075	1
24 / 4	BFZ-OTS-4/96-G	283076	1
24 / 5	BFZ-OTS-5/120-G	283077	1
24 / 6	BFZ-OTS-6/144-G	283078	1

##### For flush-mounting enclosure grey

VT20405



24 / 3	BFZ-OTS-3/72-G	283075	1
24 / 4	BFZ-OTS-4/96-G	283076	1
24 / 5	BFZ-OTS-5/120-G	283077	1
24 / 6	BFZ-OTS-6/144-G	283078	1

#### Doors sheet steel "RMQ", BFZ-OTR

- Steel-sheet doors with more depth (suitable for mounting of e.g. RMQ in the door)
- With Ronis locking-system 455

##### For surface-mounting enclosure white

wa\_vt48513



24 / 2	BFZ-OTR-2/48	285643	1
24 / 3	BFZ-OTR-3/72	285644	1
24 / 4	BFZ-OTR-4/96	285645	1
24 / 5	BFZ-OTR-5/120	285646	1
24 / 6	BFZ-OTR-6/144	285647	1

For MU per rows / Number of rows

Type  
Designation

Article No. Pack  
(pcs.)

### Doors transparent (sheet steel), BFZ-TT

#### For surface-mounting enclosure white

VT14904



24 / 2	BFZ-OTT-2/48	283079	1
24 / 3	BFZ-OTT-3/72	283080	1
24 / 4	BFZ-OTT-4/96	283081	1
24 / 5	BFZ-OTT-5/120	283082	1
24 / 6	BFZ-OTT-6/144	283083	1
33 / 4	BFZ-OTT-4/132	240762	1
33 / 5	BFZ-OTT-5/165	240763	1
33 / 6	BFZ-OTT-6/198	240764	1

#### For flush-mounting enclosure white

VT15605



24 / 2	BFZ-UTT-2/48	283093	1
24 / 3	BFZ-UTT-3/72	283094	1
24 / 4	BFZ-UTT-4/96	283095	1
24 / 5	BFZ-UTT-5/120	283096	1
24 / 6	BFZ-UTT-6/144	285353	1
33 / 4	BFZ-UTT-4/132	240765	1
33 / 5	BFZ-UTT-5/165	240766	1
33 / 6	BFZ-UTT-6/198	240767	1

### Doors transparent with Profi Line handle (sheet steel), BFZ-TT-DR

#### For surface-mounting enclosure white

VT21005



24 / 2	BFZ-OTT-DR-2/48	285222	1
24 / 3	BFZ-OTT-DR-3/72	285223	1
24 / 4	BFZ-OTT-DR-4/96	285224	1
24 / 5	BFZ-OTT-DR-5/120	285225	1
24 / 6	BFZ-OTT-DR-6/144	285226	1

#### For flush-mounting enclosure white

VT21105



24 / 2	BFZ-UTT-DR-2/48	285227	1
24 / 3	BFZ-UTT-DR-3/72	285228	1
24 / 4	BFZ-UTT-DR-4/96	285229	1
24 / 5	BFZ-UTT-DR-5/120	285230	1
24 / 6	BFZ-UTT-DR-6/144	285231	1

For MU per rows / Number of rows

Type  
Designation

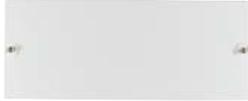
Article No.

Pack  
(pcs.)

### Accessories

#### Front panels blind white, BFZ-FP

VT00205



24 / 0+	BFZ-FP-0+/BL	286106	1
24 / 1	BFZ-FP-1/BL	293626	1
24 / 1+	BFZ-FP-1+/BL	286105	1
33 / 1	BFZ-FP-1/BL3	293627	1
33 / 1+	BFZ-FP-1+/BL3	240752	1

#### Front panels blind gray, BFZ-FP-G

VT00205



24 / 0+	BFZ-FP-0+/BL-G	113694	1
24 / 1	BFZ-FP-1/BL-G	113695	1
24 / 1+	BFZ-FP-1+/BL-G	113696	1
33 / 1	BFZ-FP-1/BL3-G	113697	1
33 / 1+	BFZ-FP-1+/BL3-G	113698	1

#### Front plates 45 mm-Device cutout white, BFZ-FP

wa\_vt03213



24 / 1	BFZ-FP-1/24	285650	1
24 / 1+	BFZ-FP-1+/24	283061	1
24 / 2	BFZ-FP-2/48	283060	1
24 / 2+	BFZ-FP-2+/48	283062	1
24 / 2++	BFZ-FP-2++/48	283064	1
24 / 3+	BFZ-FP-3+/72	283063	1
33 / 1	BFZ-FP-1/33	240748	1
33 / 1+	BFZ-FP-1+/33	240749	1
33 / 2	BFZ-FP-2/66	240750	1
33 / 2+	BFZ-FP-2+/66	240751	1

#### Front plates 45 mm-Device cutout gray, BFZ-FP-G

wa\_vt03413



24 / 1	BFZ-FP-1/24-G	116883	1
24 / 1+	BFZ-FP-1+/24-G	283066	1
24 / 2	BFZ-FP-2/48-G	283065	1
24 / 2+	BFZ-FP-2+/48-G	283067	1
24 / 2++	BFZ-FP-2++/48-G	283069	1
24 / 3+	BFZ-FP-3+/72-G	283068	1
33 / 1	BFZ-FP-1/33-G	116884	1
33 / 1+	BFZ-FP-1+/33-G	116885	1

#### DIN rail frame (replacement), BFZ-DINS

wa\_vt03314



24 / 2	BFZ-DINS-2/48	283101	1
24 / 3	BFZ-DINS-3/72	283102	1
24 / 4	BFZ-DINS-4/96	283103	1
24 / 5	BFZ-DINS-5/120	283104	1
24 / 6	BFZ-DINS-6/144	283105	1
33 / 4	BFZ-DINS-4/132	240753	1
33 / 5	BFZ-DINS-5/165	240754	1
33 / 6	BFZ-DINS-6/198	240755	1

#### Universal mounting plate, BFZ-.ITMPL-1+

vt112414



24 / for surface-mounting	BFZ-O-ITMPL-1+/24	285649	1
33 / for surface-mounting	BFZ-O-ITMPL-1+/33	240769	1
24 / for flush-mounting	BFZ-U-ITMPL-1+/24	285648	1
33 / for flush-mounting	BFZ-U-ITMPL-1+/33	240768	1

For MU per rows / Number of rows

Type  
Designation

Article No. Pack  
(pcs.)

**Set for NZM-fitting, BFZ-NZM1-SET**

VT15504



24 / white	BFZ-NZM1-SET	285233	1
24 / grey	BFZ-NZM1-SET-G	285234	1
33 / white	BFZ-NZM1-SET/33	293628	1
33 / grey	BFZ-NZM1-SET/33-G	113699	1

**Separating plate white, BFZ-SP**

VT01205



24	BFZ-SP-24	293621	1
33	BFZ-SP-33	293622	1

**Separating plate gray, BFZ-SP-G**

VT01205



24	BFZ-SP-24-G	113700	1
33	BFZ-SP-33-G	113701	1

**Wire fixing rail, BFZ-WFR**

VT01305



24	BFZ-WFR-24	293623	1
33	BFZ-WFR-33	293624	1

Version

Type  
Designation

Article No. Pack  
(pcs.)

**Flange plate blind (replacement for 2K-flange), BFZ-FLP-BL**

VT01405



white	BFZ-FLP-BL	293625	1
grey	BFZ-FLP-BL-G	113693	1

**Accessories for cable duct fixing, BPZ-ZP**

- For direct mounting of the cable duct on the C-profile rail BFZ-CP (ZP2) or on the mounting elements BFZ-KKW-60 (ZP1)

100 pcs. in bag	BPZ-ZP1	184980	1
50 pcs. in bag	BPZ-ZP2	184981	1

**Fastening set for cable duct 60, BFZ-KKW-60**

- For direct mounting of the cable duct on the C-profile rail BFZ-CP (ZP2) or on the mounting elements BFZ-KKW-60 (ZP1)

wa\_vt19504



	BFZ-KKW-60	285232	1
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For MU per rows / Number of rows

Type  
Designation

Article No. Pack  
(pcs.)

**C-profile rail for cable duct mounting (horizontal)**

VT11008



24	BFZ-CP-24	184978	1
33	BFZ-CP-33	184979	1

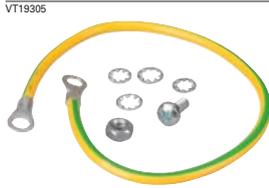
Description	Type Designation	Article No.	Pack (pcs.)
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### Lock set for door



Lock set for sheet steel door, keyed alike, incl. 2 keys	LOCK-KLV	178930	1
Profi-Line Rotary bolt lock (only for BF-O/U-../-E)	BFZ-LS-PLDH	110165	1

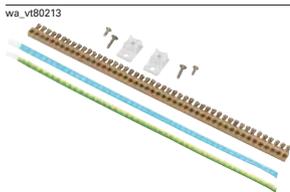
### Earthing set for door, BFZ-DES



	BFZ-DES	101665	1
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### Terminal-set N/PE, BFZ-TS-KL

- Max. 63 A



2x25 mm <sup>2</sup> + 9x16 mm <sup>2</sup>	BFZ-TS-KL11	293629	1
2x25 mm <sup>2</sup> + 13x16 mm <sup>2</sup>	BFZ-TS-KL15	293630	1
2x25 mm <sup>2</sup> + 27x16 mm <sup>2</sup>	BFZ-TS-KL29	293631	1
2x25 mm <sup>2</sup> + 43x16 mm <sup>2</sup>	BFZ-TS-KL45	293632	1
2x25 mm <sup>2</sup> + 58x16 mm <sup>2</sup>	BFZ-TS-KL60	293633	1
2x25 mm <sup>2</sup> + 74x16 mm <sup>2</sup>	BFZ-TS-KL76	293634	1

### Terminal-set N/PE, BFZ-TS-N/PE-KL

- Max. 63 A

2x (2x25 mm <sup>2</sup> + 27x16 mm <sup>2</sup> )	BFZ-TS-N/PE-KL29	113702	1
2x (2x25 mm <sup>2</sup> + 43x16 mm <sup>2</sup> )	BFZ-TS-N/PE-KL45	113703	1
2x (2x25 mm <sup>2</sup> + 58x16 mm <sup>2</sup> )	BFZ-TS-N/PE-KL60	113704	1
2x (2x25 mm <sup>2</sup> + 74x16 mm <sup>2</sup> )	BFZ-TS-N/PE-KL76	113705	1

### Terminal support, KT



horizontal	KT-3	275445	1
vertical	KT-5	275447	1

### Terminal blocks, KL

- Max. 63 A



1x25 mm <sup>2</sup> + 3x16 mm <sup>2</sup>	KL-4	219723	1
1x25 mm <sup>2</sup> + 6x16 mm <sup>2</sup>	KL-7	219724	1
2x25 mm <sup>2</sup> + 9x16 mm <sup>2</sup>	KL-11	219725	1
2x25 mm <sup>2</sup> + 13x16 mm <sup>2</sup>	KL-15	219726	1
2x25 mm <sup>2</sup> + 23x16 mm <sup>2</sup>	KL-25	219727	1
2x25 mm <sup>2</sup> + 27x16 mm <sup>2</sup>	KL-29	275449	1
2x25 mm <sup>2</sup> + 43x16 mm <sup>2</sup>	KL-45	275450	1
2x25 mm <sup>2</sup> + 58x16 mm <sup>2</sup>	KL-60	275451	1
2x25 mm <sup>2</sup> + 74x16 mm <sup>2</sup>	KL-76	102066	1

Rated current (A)	Output terminals	Type Designation	Article No.	Pack (pcs.)
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**Terminal blocks 1-pole, BPZ-KB**

- Mounting on DIN rail or on Mounting Plate
- UL listed
- Save time on wiring
- Save 80% on space used
- Modular construction, 1- to 4-pole systems can be built with several blocks
- Degree of protection IP20
- Max. operating voltage 1000 V AC , 1500 V DC

wa\_vt16214, wa\_vt16314, wa\_vt13214



BPZ-KB-4/80      BPZ-KB-6/160

80	6	BPZ-KB-4/80	289969	1
160	6	BPZ-KB-6/160	289970	1
250	11	BPZ-KB-11/250	289967	1

**Technical Data**

	BPZ-KB-4/80		BPZ-KB-6/160		BPZ-KB-11/250	
	Rated current (A)	Torque (Nm)	Rated current (A)	Torque (Nm)	Rated current (A)	Torque (Nm)
Input terminals	1x 2.5-16 mm <sup>2</sup>	1.5-3	1x 10-70 mm <sup>2</sup>	5-6	1x 35-120 mm <sup>2</sup>	19-21
Output terminals	4x 2.5-6 mm <sup>2</sup>	0.8-1.5	6x 2.5-16 mm <sup>2</sup>	1.5-3	2x 6-35 mm <sup>2</sup>	3.5-7
	2x 2.5-16 mm <sup>2</sup>	1.5-3			5x 1.5-16 mm <sup>2</sup>	2-3
Connection	-		lateral parallel connection possible with Cu 15x5		-	
Dimensions L x B x H (mm)	66 x 27 x 47		92 x 35 x 49		95.5 x 44.5 x 49	

Rated current (A)	Input terminals	Output terminals	Type Designation	Article No.	Pack (pcs.)
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**Terminal blocks 4-pole, BPZ-KB**

- Mounting on DIN rail or on Mounting Plate
- Max. operating voltage  
BPZ-KB-8/125: 690 V AC , 690 V DC  
BPZ-KB-11/160: 1000 V AC , 1500 V DC

wa\_vt16114, wa\_vt14314



BPZ-KB-8/125      BPZ-KB-11/160

125	1x (L1/L2/L3/N)	7x L1 / 7xL2 / 7xL3 / 10xN	BPZ-KB-8/125	289968	1
160	1x (L1/L2/L3/N)	11xL1 / 11xL2 / 11xL3 / 11xN	BPZ-KB-11/160	102716	1

**Technical Data**

	BPZ-KB-8/125		BPZ-KB-11/160	
	Rated current (A)	Torque (Nm)	Rated current (A)	Torque (Nm)
Input terminals per pole	1x 6-35 mm <sup>2</sup>	1.5	1x 10-35 mm <sup>2</sup>	3.5-5
Output terminals per phase (L1/L2/L3)	5x 1.5-6 mm <sup>2</sup>	0.8-1.5	3x 6-25 mm <sup>2</sup>	3.5-5
	2x -16 mm <sup>2</sup>		8x 2.5-16 mm <sup>2</sup>	
Output terminals N	4x 1.5-10 mm <sup>2</sup>	1.5	3x 6-25 mm <sup>2</sup>	3.5-5
	6x 4-16 mm <sup>2</sup>		8x 2.5-16 mm <sup>2</sup>	

# 1.120 Compact Distribution Boxes

xComfort

Additional Equipment / Spare Parts BF-O..., BF-U...

Description	Type Designation	Article No.	Pack (pcs.)
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### 45 mm blanking strips, NBP

wa\_vt07313



white, 1 m long	NBP-1000-W	101666	1
gray, 1 m long	NBP-1000	275413	1

### Mounting plate for inscription strip, LAB-BAR

wa\_vt14413



for 24 MUs per row	LAB-BAR_24MU	107901	10
for 33 MUs per row	LAB-BAR_33MU	107902	10
1 m	LAB-BAR_1000	107911	10

### Enclosure leaves for the inscription strips, LAB-TAPE

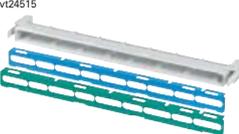
empty	LAB-TAPE_A4_BLANK	107952	10
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### Circuit diagram bag, LAB-BAG

wa\_vt14513



Size DIN A4	LAB-BAG_A4	107913	1
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Description	Type Designation	Article No.	Pack (pcs.)
<b>Lock set LOCK-KLV</b>			
vt23315 	Lock standard keyed alike, incl. rosette, mounting material, 2 keys	LOCK-KLV	178930 1
<b>Rotary bolt lock</b>			
vt23215 	Rotary bolt lock white	DV-KLV	178943 1
<b>Holder for terminal carrier / Empty terminal carrier</b>			
<ul style="list-style-type: none"> <li>• For suitable terminals see chapter Additional Equipment /Spare Parts KLV-...</li> </ul>			
vt11616 	Holder for combined plug-type terminal KSK, can be used in combination with the empty terminal carrier KSK-KLV or with an equipped terminal carrier, mounting is possible on all sides	BFZ-KTH-KSK	182485 1
vt119114 	Empty terminal carrier suitable for up to 4x KSK-N and/or 4x KSK-PE	KSK-KLV	178905 1/10
vt11716 	Holder for screw-type terminal SK, can be used in combination with the empty terminal carrier SK-KLV or with an equipped terminal carrier, mounting is possible on all sides	BFZ-KTH-SK	182486 1
vt24515 	Terminal carrier empty suitable for up to 27x screw-terminal points, incl. cover in blue and green	SK-KLV	178910 1
<b>Hollow-wall set</b>			
vt11516 	Special fastening straps for installation in hollow-walls of min. 10 mm / max. 25 mm wall thickness 4 units in one pouch	BFZ-HWS	182487 1
<b>Cable holder</b>			
vt11416 	Mounting on the side of the insert, size 33 x 25 mm, 4 units in a pouch	BFZ-KH	182488 1

\*) For accessories of the media distribution board see chapter Additional Equipment/Spare Parts KLV-...

# 1.122 Compact Distribution Boxes

xComfort

Additional Equipment / Spare Parts for Surface-mounted Field Distribution Boards EWK-G../31

	Description	Type Designation	Article No.	Pack (pcs.)
<b>Combined plug-type terminal IP2X</b>				
	Terminal support complete, N/PE, 1-level	ZSD-PKL/NPE/1	217220	10
	Terminal support complete, N/PE, 2-levels	ZSD-PKL/NPE/2	226157	10
	Terminal support complete, N/PE, 1-level, 4 potentials	ZSD-PKL/NPE/1/4X4	267011	10
	Terminal support complete, N/PE, 2-levels, screwless	ZSD-PKL/NPE/2/C	101977	10
<b>Plastic cover complete with 4 pcs. quick-release fasteners</b>				
	OA hood, 150 mm complete	ZSD-H150/OA/KLP	226566	1
	OA hood, 300 mm complete	ZSD-H300/OA/KLP	226578	1
	OA hood, 450 mm complete	ZSD-H450/OA/KLP	226756	1
<b>Rail 35 x 7.5 mm width 1 (250 mm long)</b>				
	DIN rail for modular installation devices	ZSD-HTS	226549	1
<b>Quick lock for plastic cover</b>				
	Mounting spindle	ZSD-SPN	226543	1
<b>Cover plate holder / mounting tower for plastic cover</b>				
	Hood adapter	ZSD-AD/H	226544	1
<b>Spare parts door / lock</b>				
	Door bolt	ZSD-TUER/DR/RG	226876	1
	Door hinge set	ZSD-TUER/SHN/PKT	226877	1
	Door latch for the second, left door	ZSD-TUER/RG/L	226582	1
	Lock, keyed alike with key and adapter	ZSD-SL/GS/AD	255804	1

**Side-by-side connector set**

wa\_vt36313



Cabinet connection kit	ZSD-SK/VB/SZ	228984	1
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**Cable entry flanges**

- Mounting on the side of the enclosure

vt03018



Flange on the side, a connecting flange set	ZSD-ZV/VB/FLA	226545	1
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**Through-hole flange**

- Mounting on top/bottom of the enclosure
- Through-hole flange for div. cable cross-sections, for IP30/31 applications

wa\_vt07113



14 cable Ø 11 mm, 8 cable Ø 15 mm, 2 cable Ø 28 mm	ZSD-2K/FLA	272166	1
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**Mounting rail for wall mounting**

vt13805



Mounting rail completely, width 1	ZSD-MON/SN/B1	226596	1
Mounting rail completely, width 2	ZSD-MON/SN/B2	226597	1
Mounting rail completely, width 3	ZSD-MON/SN/B3	226598	1
Mounting rail completely, width 4	ZSD-MON/SN/B4	226599	1

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