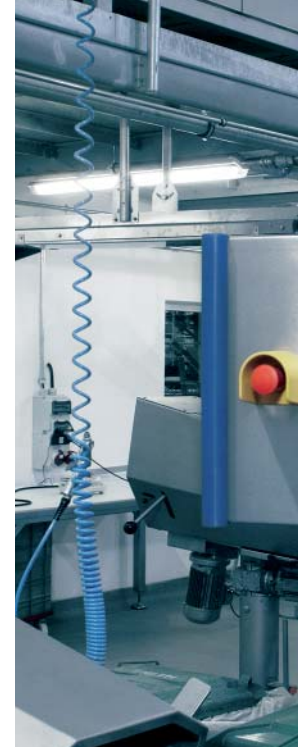
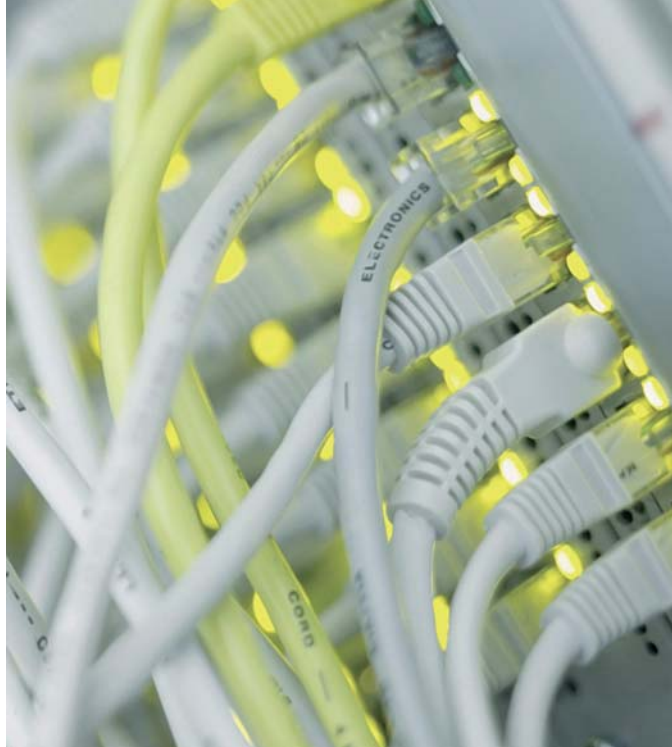


xComfort Compact Distribution Boxes - Home game for a safe electrical installation system



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:

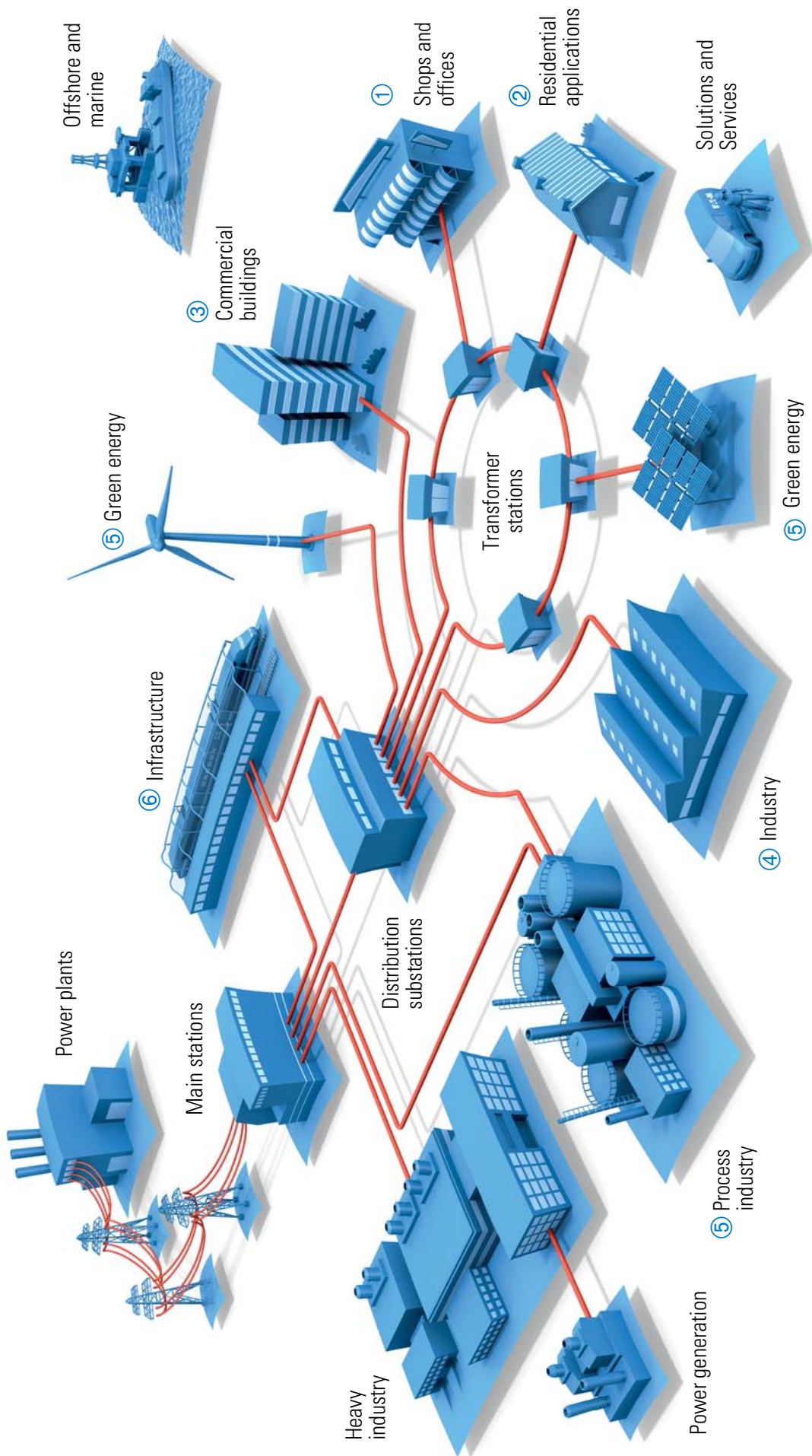
- Improved safety thanks to the large-area electric-shock protection cover
- Compactness thanks to torsion-resistant carrier rails
- Easy to mount thanks to the large wiring area behind the DIN rail

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



Residential applications ②



Commercial buildings, Hotels and Infrastructure ③+⑥



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

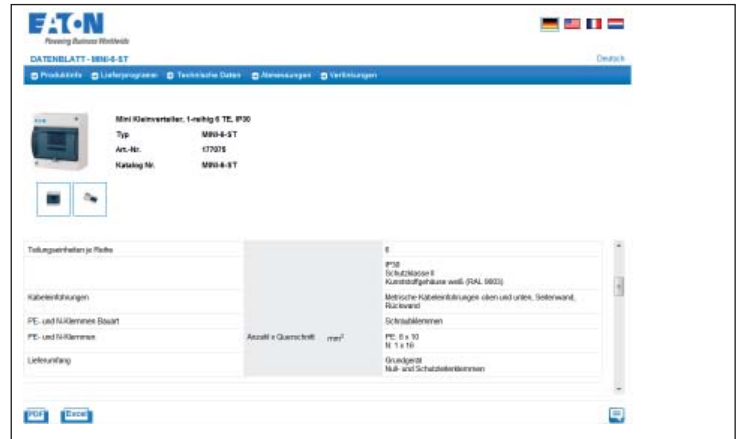
You can search by keywords, product names, article numbers, technical data: The search understands everything and takes you straight to the product you're looking for.

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.



HTML data sheet; can be saved as PDF file.

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.

Stückliste									
	Pos.	Anz.	Foto	Art.-Nr.	Typ	Kurztext	VPE	Lieferzeit	Kommentar
<input type="checkbox"/>	1	<input type="text" value="1"/>		174221	KA-1/4-ST	KA Verteiler Professional, IP65	1	1	Projekt Teilgarage
<input type="checkbox"/>	2	<input type="text" value="1"/>		177065	MICRO 4	Micro Kleinverteiler, 1-nähig 4 TE IP30	1	1	Projekt Timer
<input type="checkbox"/>	3	<input type="text" value="1"/>		177075	MINI-6-ST	Mini Kleinverteiler, 1-nähig 5 TE, IP30	1	1	Projekt Renovierung
<input type="checkbox"/>	4	<input type="text" value="1"/>		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	<input type="text" value="1"/>		174652	EWK-05051	Wandgehäuse EWK mit Normeinbaueinheiten 72TE, IP43, K09, Schutzklasse 2, RAL9015, HxBxT=500x550x160mm	1	1	Projekt Messehalle

☐ Alle auswählen

 Position löschen
  Änderungen übernehmen
  Freie Position hinzufügen

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

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



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

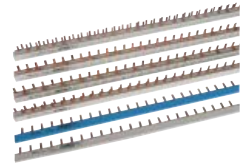


Transformers



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.

With 2017 sales \$20.4 billion, Eaton has approximately 96,000 employees around the world and sells products in more than 175 countries.

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VT24814



Compact Distribution Boxes

Compact Distribution Boxes

- Micro & Mini Compact Distribution Boxes, IP30 Page 2
- ECO surface-mounted/flush-mounted Compact Distribution Boxes, IP40 Page 10
- KLV flush-mounted/hollow-wall Compact Distribution Boxes, IP30 Page 20
- IKA surface-mounted Compact Distribution Boxes, IP65 Page 36
- IKA-C surface-mounted Compact Distribution Boxes, IP65 Page 47

Multimedia Distribution Boxes

- KLV flush-mounted/hollow-wall Multimedia Distribution Boards, IP30 Page 58

Compact Distribution Boxes - Projects - form of delivery

- KLV flush-mounted/hollow-wall Projects - form of delivery,, IP30 Page 62

Flat Distribution Boards

- BF-U-2S flush-mounted/hollow-wall Flat Distribution Boards, IP30 Page 66
- BF-U flush-mounted Flat Distribution Boards, IP30 Page 71
- BF-O surface-mounted Flat Distribution Boards, IP30 Page 83

Field Distribution Boards

- EWK Surface-mounted Field Distribution Boards, IP31 Page 95

Additional equipment

- Additional Equipment / Spare Parts Page 103

VT78914



VT77714



VT77914



VT77114



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

MICRO	-	4		
Micro	-	Module units		
Compact Distribution Boxes		MU		
		2		
		4		
MINI	-	4	-	S
MINI	-	Module units		Version
Compact Distribution Boxes		MU		Indoor
		2		S = Screw-type terminal
		3		" _ " = without terminal
		4		T = transparent
		5		" _ " = without door
		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		 ¹⁾		 ²⁾	—	—
Mini		 ¹⁾	 ³⁾	 ²⁾	 ⁴⁾	




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

²⁾ Body and cover frame, window is transparent

³⁾ Version without a window = IP20.

⁴⁾ 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
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VT78714



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

VT77514, VT78514



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

VT77314, VT78314



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

VT77114, VT78114



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

VT78914, VT78114



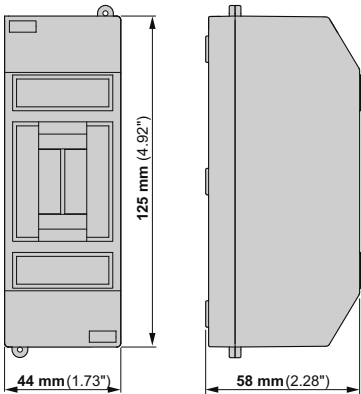
1 / 6	with N/PE terminals 6x 10 mm ² + 1x 16 mm ²	with	MINI-6-ST	177075	1 / 9
	without N/PE terminals	without	MINI-6	177070	1 / 9

Technical Data

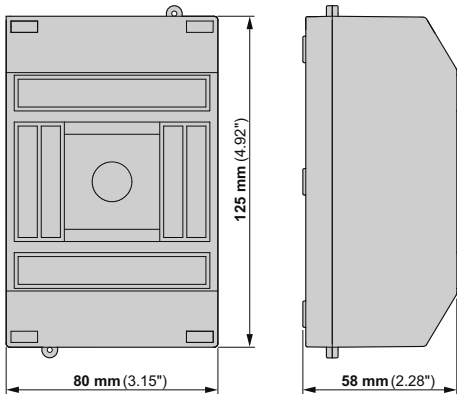
Micro & Mini	
Electrical	
Version according to	IEC/EN 62208
Degree of protection	IP30 (IK05); Mini without window IP20; according to EN 60529
Protection class	II, totally insulated
Rated voltage	400 V AC
Max. power loss admitted for all devices installed in the distribution box at a difference in temperature 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
Mechanical	
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)

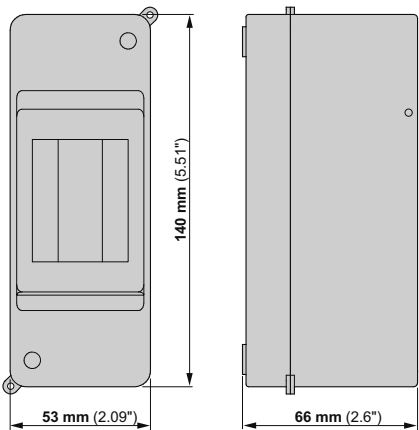
MICRO-2



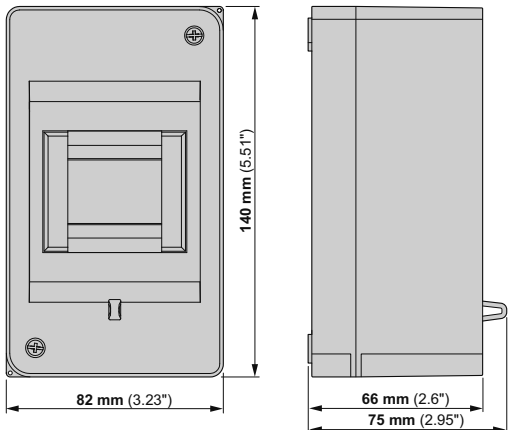
MICRO-4



MINI-2

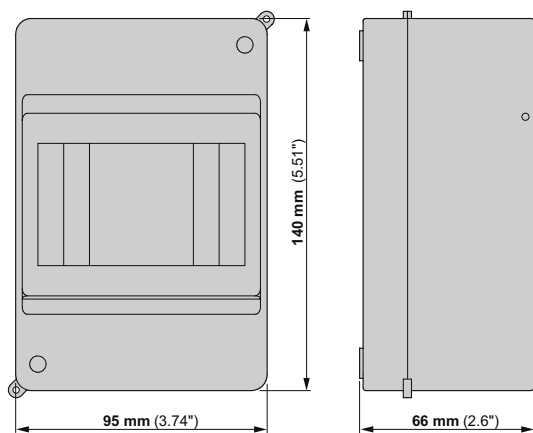


MINI-3

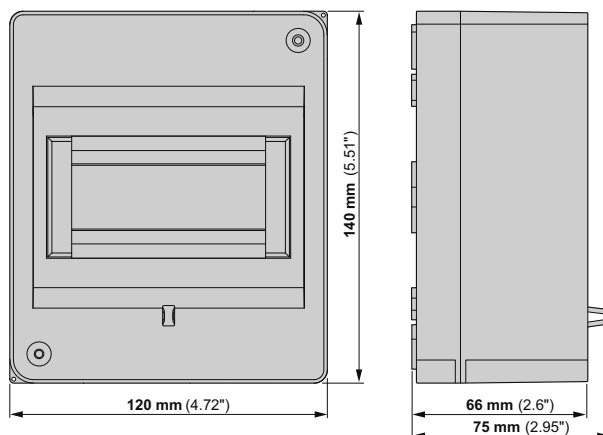


Dimensions (mm)

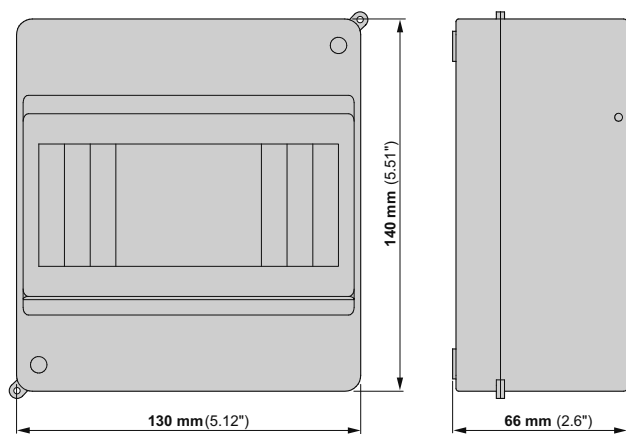
MINI-4



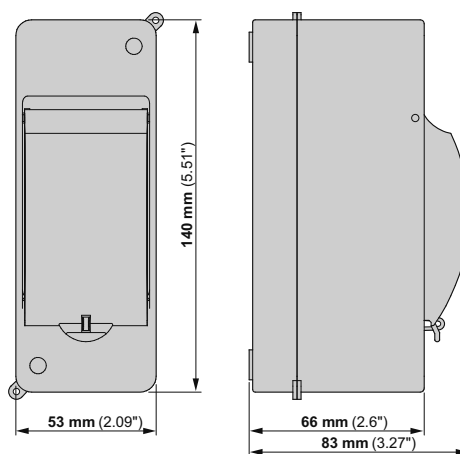
MINI-5



MINI-6

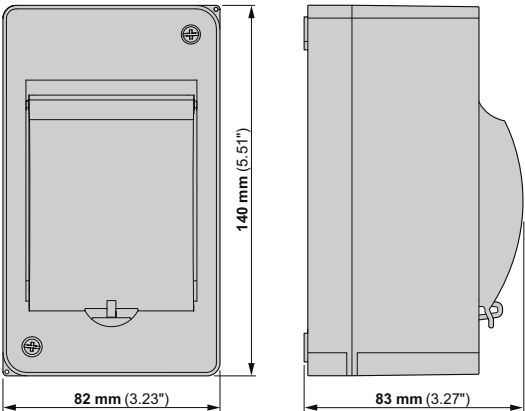


MINI-2-T

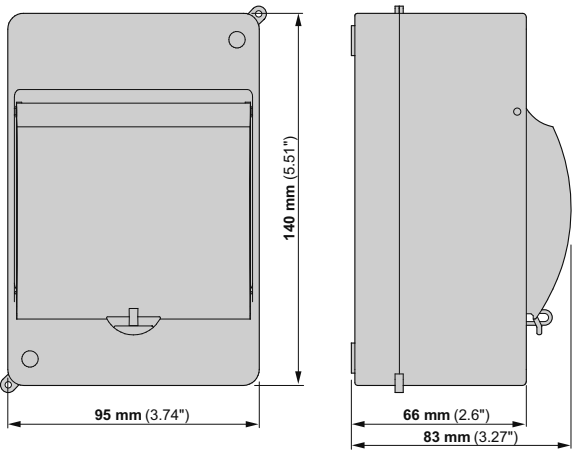


Dimensions (mm)

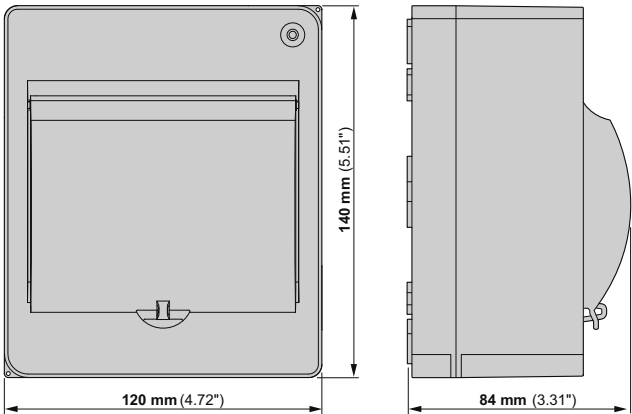
MINI-3-T



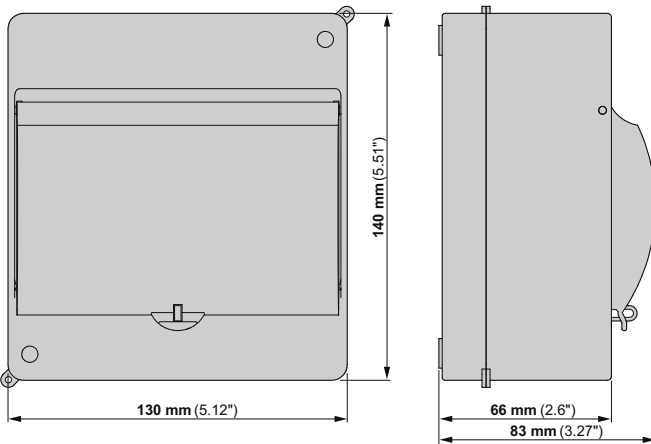
MINI-4-T



MINI-5-ST



MINI-6-ST



vt52815



vt51615



vt48915



vt48215



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

BC	-	0	-	1	/	12	-TW	-ECO
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




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

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

²⁾ Body and cover frame

³⁾ 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 ² 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 ² 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 ² 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 ²) 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 ²) 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.)
18 MUs per row - Surface-mounted					
	1 / 18	transparent	BC-O-1/18-ECO	280348	1
			RAL9003 BC-O-1/18-TW-ECO	281692	1
	2 / 36	transparent	BC-O-2/36-ECO	280350	1
			RAL9003 BC-O-2/36-TW-ECO	281694	1
	3 / 54	transparent	BC-O-3/54-ECO	280351	1
			RAL9003 BC-O-3/54-TW-ECO	281695	1
Mini - Flush-mounted					
	1 / 5	transparent	BC-U-1/5-ECO	280352	1
			RAL9003 BC-U-1/5-TW-ECO	281696	1
	1 / 8	transparent	BC-U-1/8-ECO	280353	1
			RAL9003 BC-U-1/8-TW-ECO	281697	1



Rows / MU	Description	Window	Type Designation	Article No.	Pack (pcs.)
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12 MUs per row - Flush-mounted

vt51515, vt51315



1 / 12	with N/PE screw-terminal 12x 10 mm ² each	transparent	BC-U-1/12-ECO	280354	1
		RAL9003	BC-U-1/12-TW-ECO	281698	1

vt48915, vt48115



2 / 24	with N/PE screw-terminal 2x (12 x 10 mm ²) each	transparent	BC-U-2/24-ECO	280356	1
		RAL9003	BC-U-2/24-TW-ECO	281710	1

vt48915, vt48615



3 / 36	with N/PE screw-terminal 3x (12 x 10 mm ²) each	transparent	BC-U-3/36-ECO	284641	1
		RAL9003	BC-U-3/36-TW-ECO	284643	1

18 MUs per row - Flush-mounted

vt49815, vt49715



1 / 18	with N/PE screw-terminal 18x 10 mm ² 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 ²) each	transparent	BC-U-2/36-ECO	280357	1
		RAL9003	BC-U-2/36-TW-ECO	281711	1

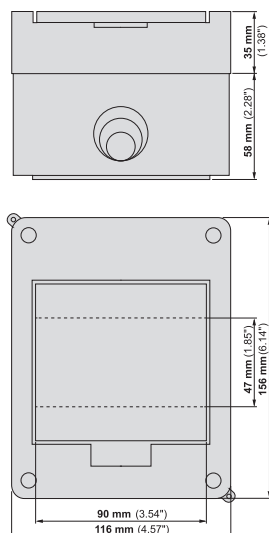
Technical Data

ECO	
Electrical	
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
Mechanical	
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

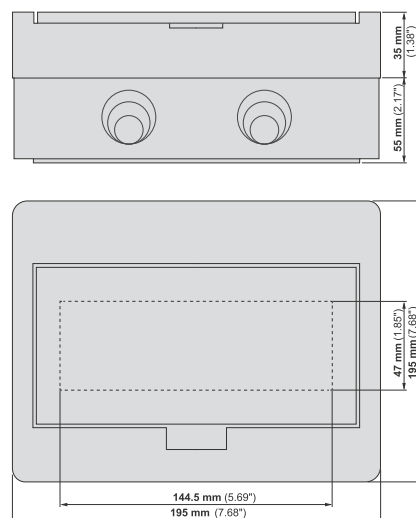
Dimensions (mm)

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

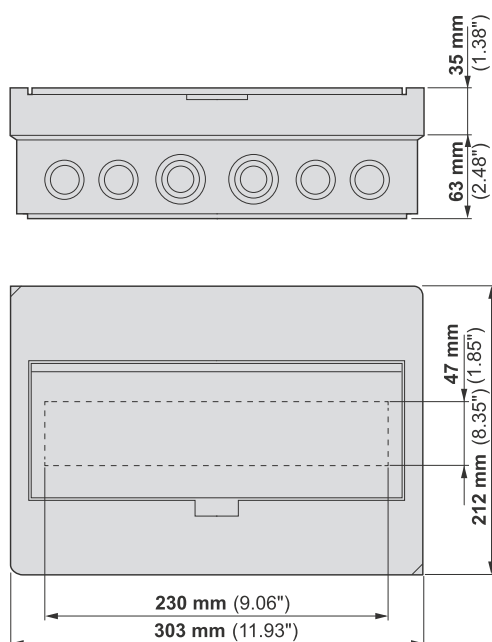
BC-O-1/5....



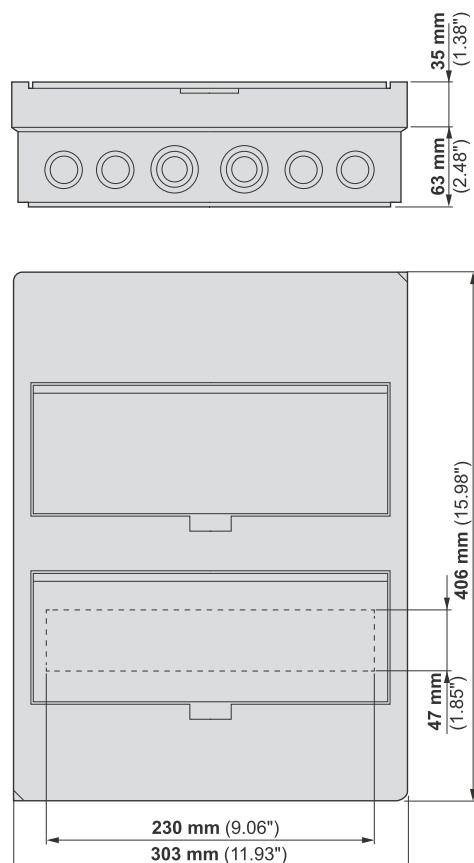
BC-O-1/8....



BC-O-1/12....



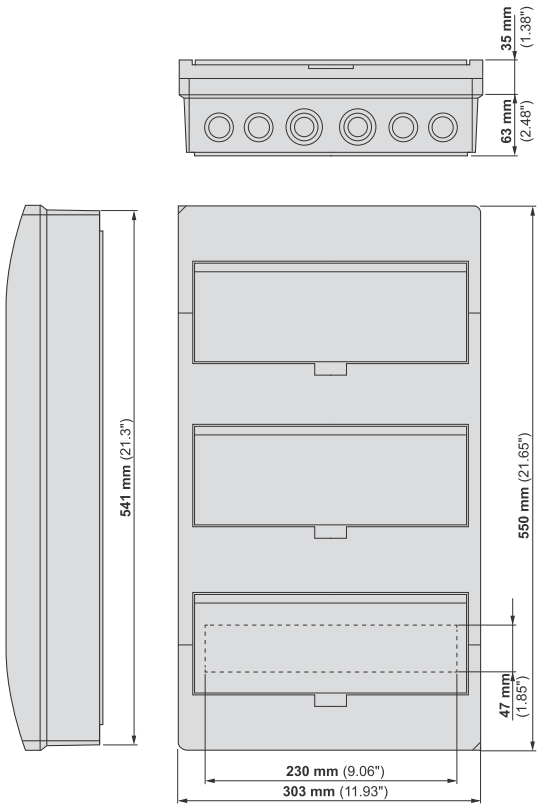
BC-O-2/24....



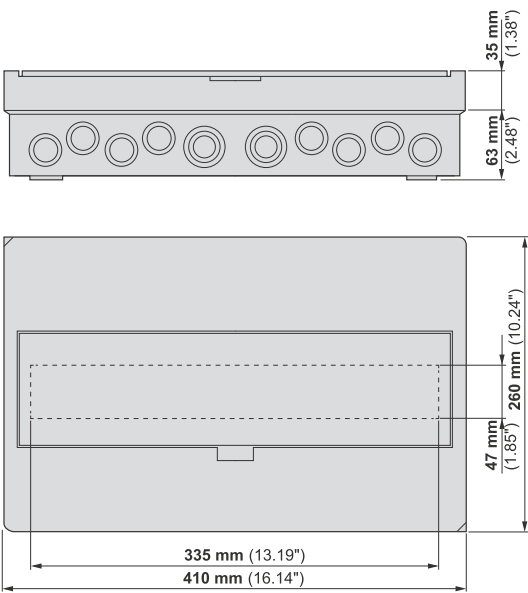
Dimensions (mm)

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

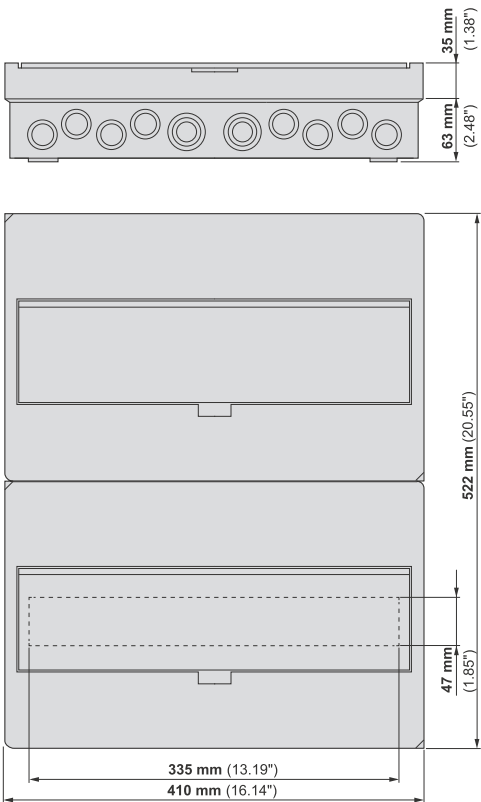
BC-O-3/36....



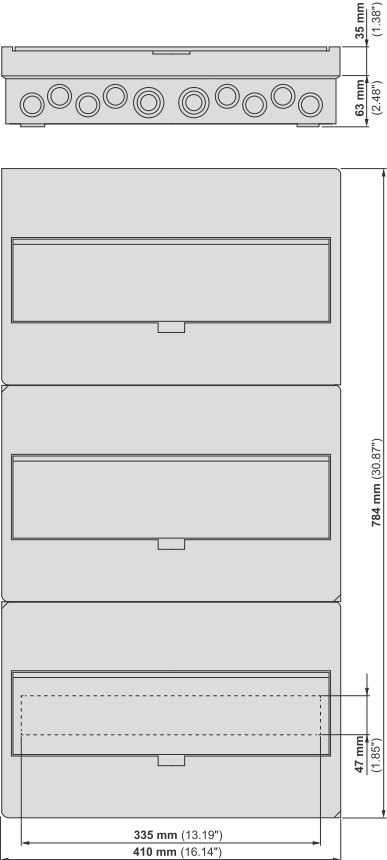
BC-O-1/18....



BC-O-2/36....



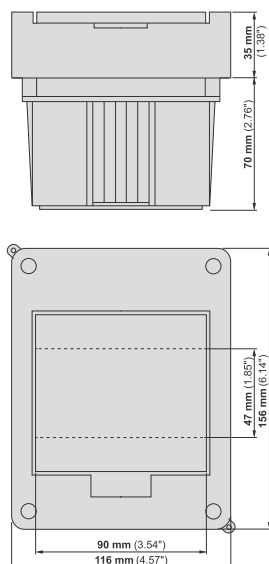
BC-O-3/54....



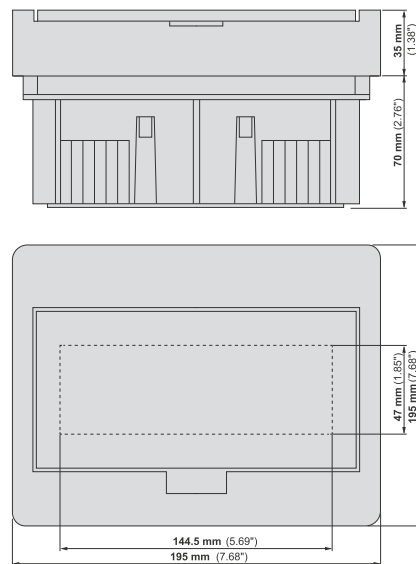
Dimensions (mm)

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

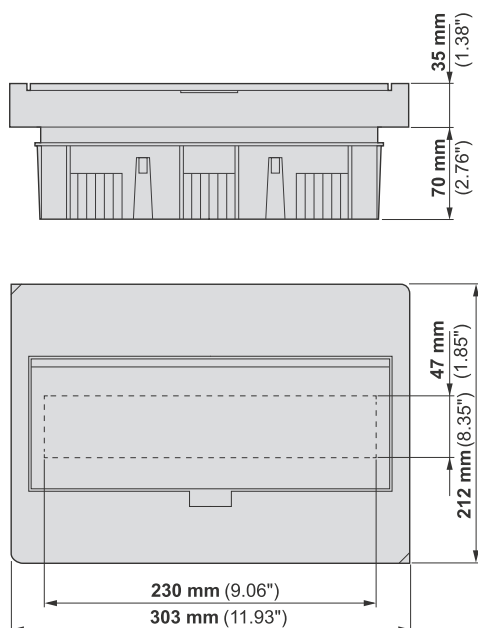
BC-U-1/5....



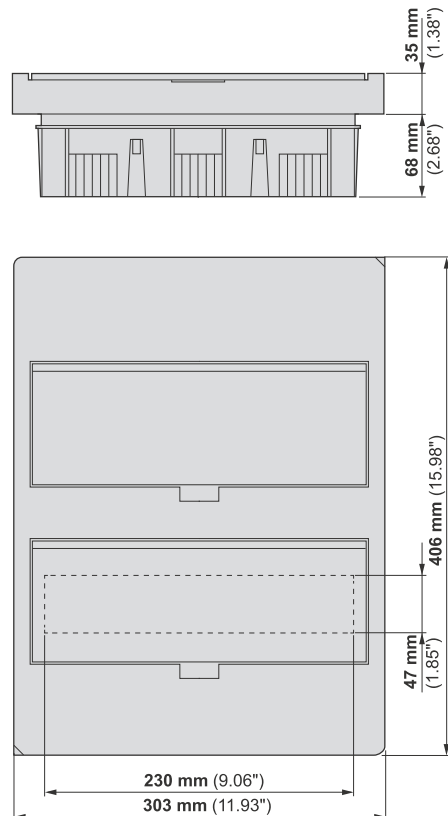
BC-U-1/8....



BC-U-1/12....



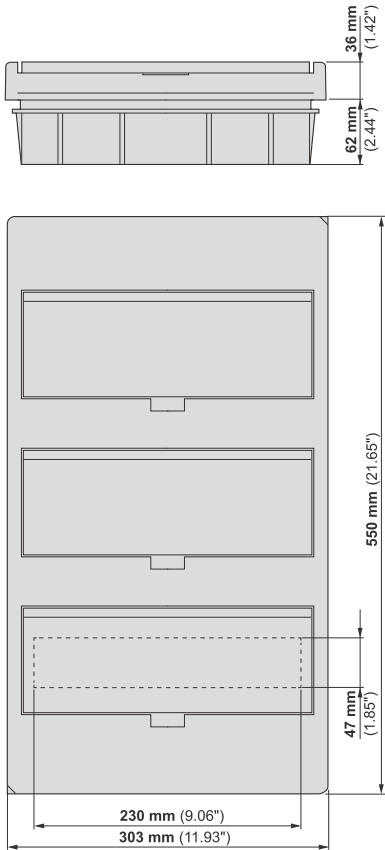
BC-U-2/24....



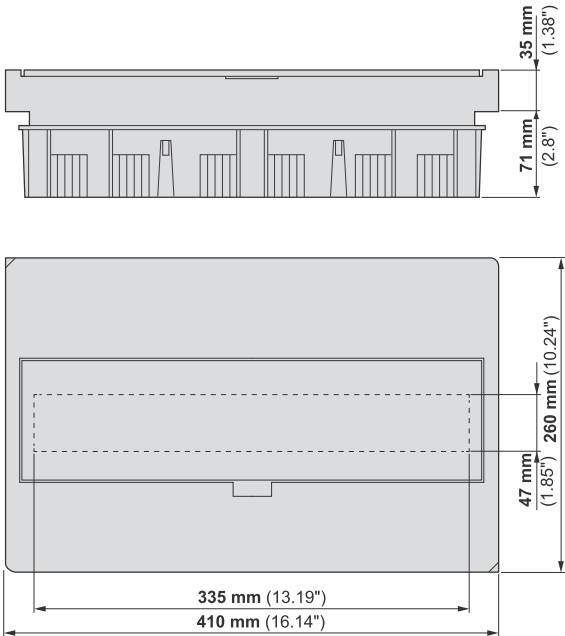
Dimensions (mm)

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

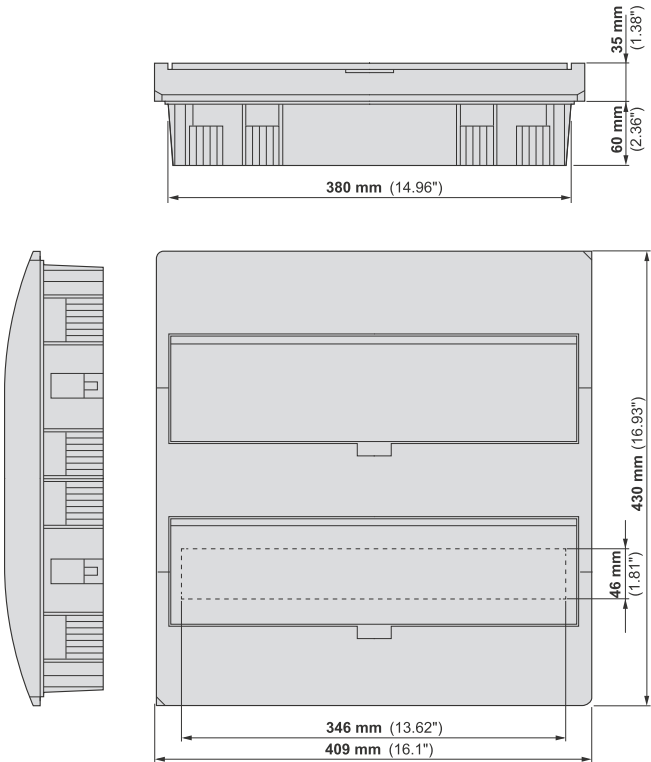
BC-U-3/36....



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

KLV	-	24	UP	P	-	F
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

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

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

²⁾ Sheet steel door and frame








³⁾ Rated current up to 63 A

More and larger terminal points for practical use ¹⁾





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

¹⁾ 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



Symbol	Explanation
	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 ¹⁾ (FI = RCD)	■	■	■	■
3D plaster compensation	■	■	■	■
Frame flat/super flat	■	■	■	■
Door flat/super flat	■	■	■	■
Power circuit sticker	■	■	■	■

¹⁾ 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.)

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)

vt15715



1 / 12+2

with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each

flat

KLV-12UPP-F

178798

1/90

super flat

KLV-12UPP-SF

178799

1/90

vt15315



2 / 24+4

with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each
1x N-FI single terminal with 1x 2.5-25 mm² and 7x 0.5-4 mm²

flat

KLV-24UPP-F

178800

1/60

super flat

KLV-24UPP-SF

178801

1/60

vt14915



3 / 36+6

with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each with separate N-FI terminal block

flat

KLV-36UPP-F

178802

1/60

super flat

KLV-36UPP-SF

178803

1/60

vt14515



4 / 48+8

with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² 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.)**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)

vt13315



1 / 12+2

with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each

flat

KLV-12HWP-F

178806

1/90

super flat

KLV-12HWP-SF

178807

1/90

vt12915



2 / 24+4

with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each
1x N-FI single terminal with 1x 2.5-25 mm² and 7x 0.5-4 mm²

flat

KLV-24HWP-F

178808

1/60

super flat

KLV-24HWP-SF

178809

1/60

vt12515



3 / 36+6

with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each with separate N-FI terminal block

flat

KLV-36HWP-F

178810

1/60

super flat

KLV-36HWP-SF

178811

1/60

vt12115



4 / 48+8

with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² 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 ² (N) and 13x 0.75-16 mm ² (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 ² (N) and 16x 0.75-16 mm ² (PE) plus 1x N-FI terminal with 4x 0.75-16 mm ² 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 ² (N) and 25x 0.75-16 mm ² (PE) plus 1x N-FI terminal with 4x 0.75-16 mm ² 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 ² (N) and 25x 0.75-16 mm ² (PE) plus 1x N-FI terminal with 4x 0.75-16 mm ² 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)

vt13015



1 / 12+2	with 1x N/PE screw-type terminal 13x 0.75-16 mm ² (N) and 13x 0.75-16 mm ² (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 ² (N) and 16x 0.75-16 mm ² (PE) plus 1x N-FI terminal with 4x 0.75-16 mm ² 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 ² (N) and 25x 0.75-16 mm ² (PE) plus 1x N-FI terminal with 4x 0.75-16 mm ² 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 ² (N) and 25x 0.75-16 mm ² (PE) plus 1x N-FI terminal with 4x 0.75-16 mm ² 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

4500PIC-19



Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
Flush-mounting, without terminals					
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	cable holder	super flat	KLV-36UP-SF	184799	1/60
4 / 48+8		super flat	KLV-48UP-SF	184800	1/45
Technical data same as full-equipped KLV.					

4500PIC-17



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	cable holder	super flat	KLV-36HW-SF	184803	1/60
4 / 48+8		super flat	KLV-48HW-SF	184804	1/45
Technical data same as full-equipped KLV.					

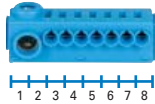
Technical Data

KLV	
Electrical	
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
Mechanical	
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
Metrical or pre-punched holes prepared for knock-out	
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

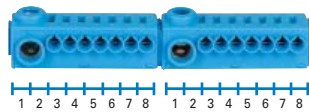
KSK-N, KSK-PE, configuration examples

vt25115



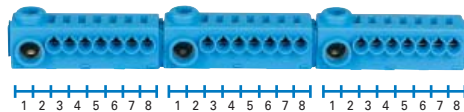
1x KSK-N (PE)

vt25215



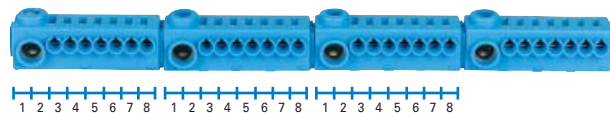
2x KSK-N (PE)

vt25315



3x KSK-N (PE)

vt25415



4x KSK-N (PE)

vt119114



KSK-KLV

- 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 mm² (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.

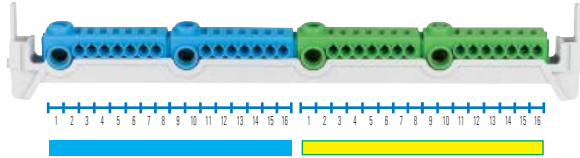
Cross sections of connections and other important information

- Per block 1x screw-type connection for 2.5-25 mm² (single-wired/multiwired) or 2.5-16 mm² (fine-wired with professionally pressed wire end sleeve).
- Per block 7x plug-type connection for 0.5-4 mm² (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

Technical Data - Terminals

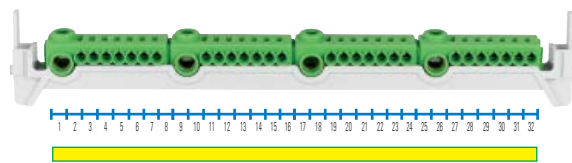
KSK-... included in the scope of delivery of the distribution board KLV-...UPP (HWP)

vt24915



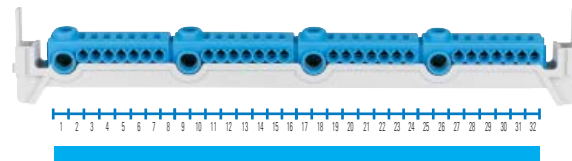
KSK-2N/2PE-KLV

vt25015



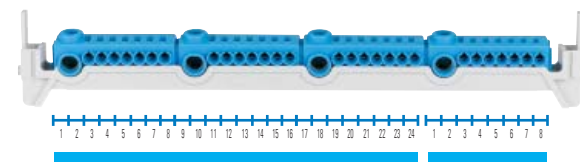
KSK-4PE-KLV

vt24815



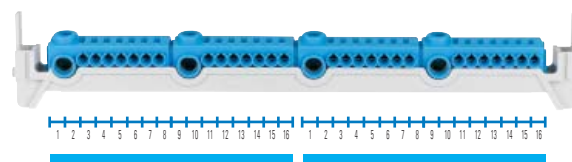
KSK-4N-KLV

vt24815



KSK-3N/1N-KLV

vt24815



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 mm² (single-wired/multiwired) or 2.5-16 mm² (fine-wired with professionally pressed wire end sleeve) as well as 14x plug-type connection for 0.5-4 mm² (single-wired/multiwired or fine-wired with professionally pressed wire end sleeve).

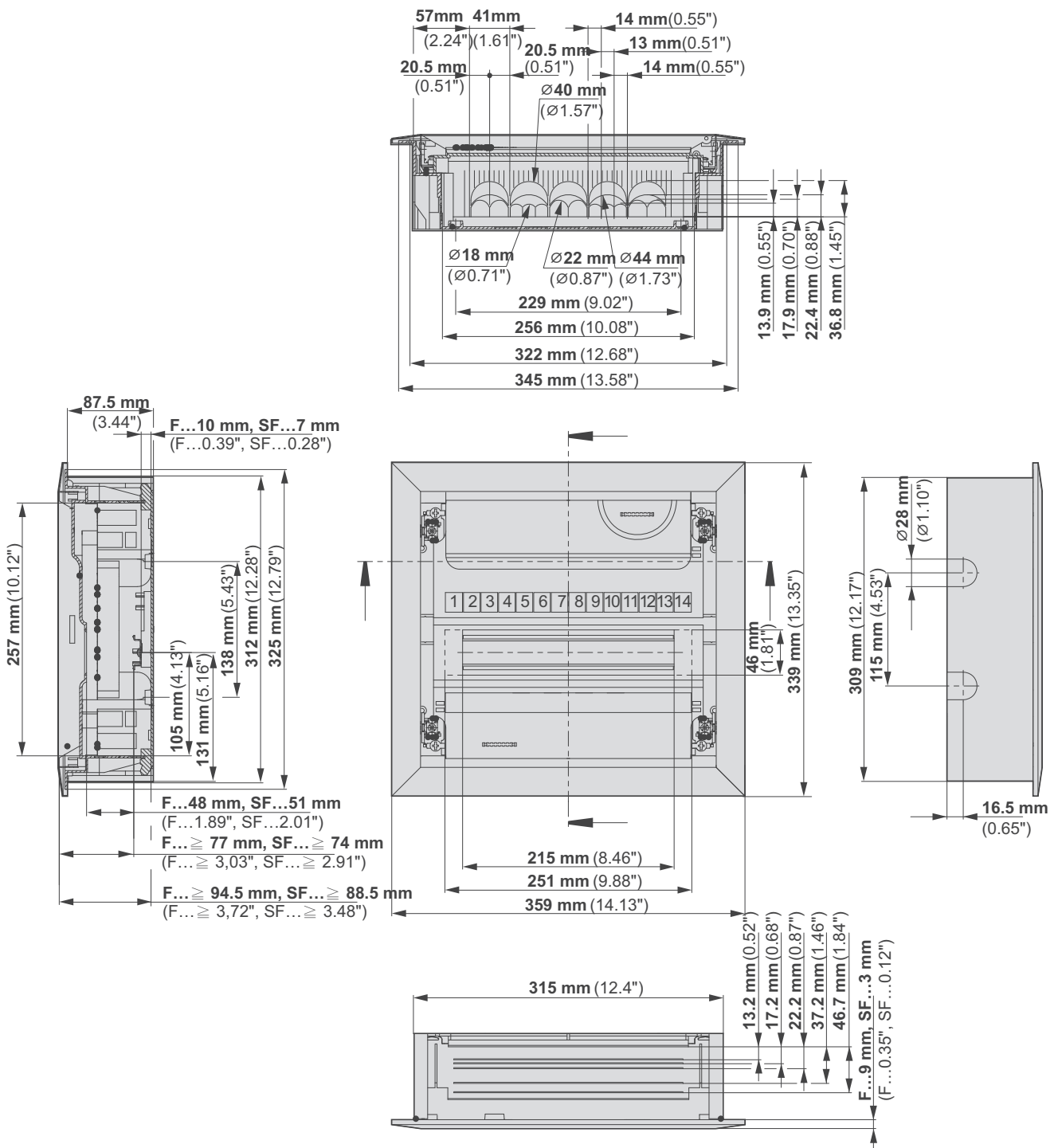
KSK-4N..., KSK-3N/1N..., KSK-2N/2N..., KSK-4PE...

- Per block 1x screw-type connection for 2.5-25 mm² (single-wired/multiwired) or 2.5-16 mm² (fine-wired with professionally pressed wire end sleeve), as well as 7x plug-type connection for 0.5-4 mm² (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)

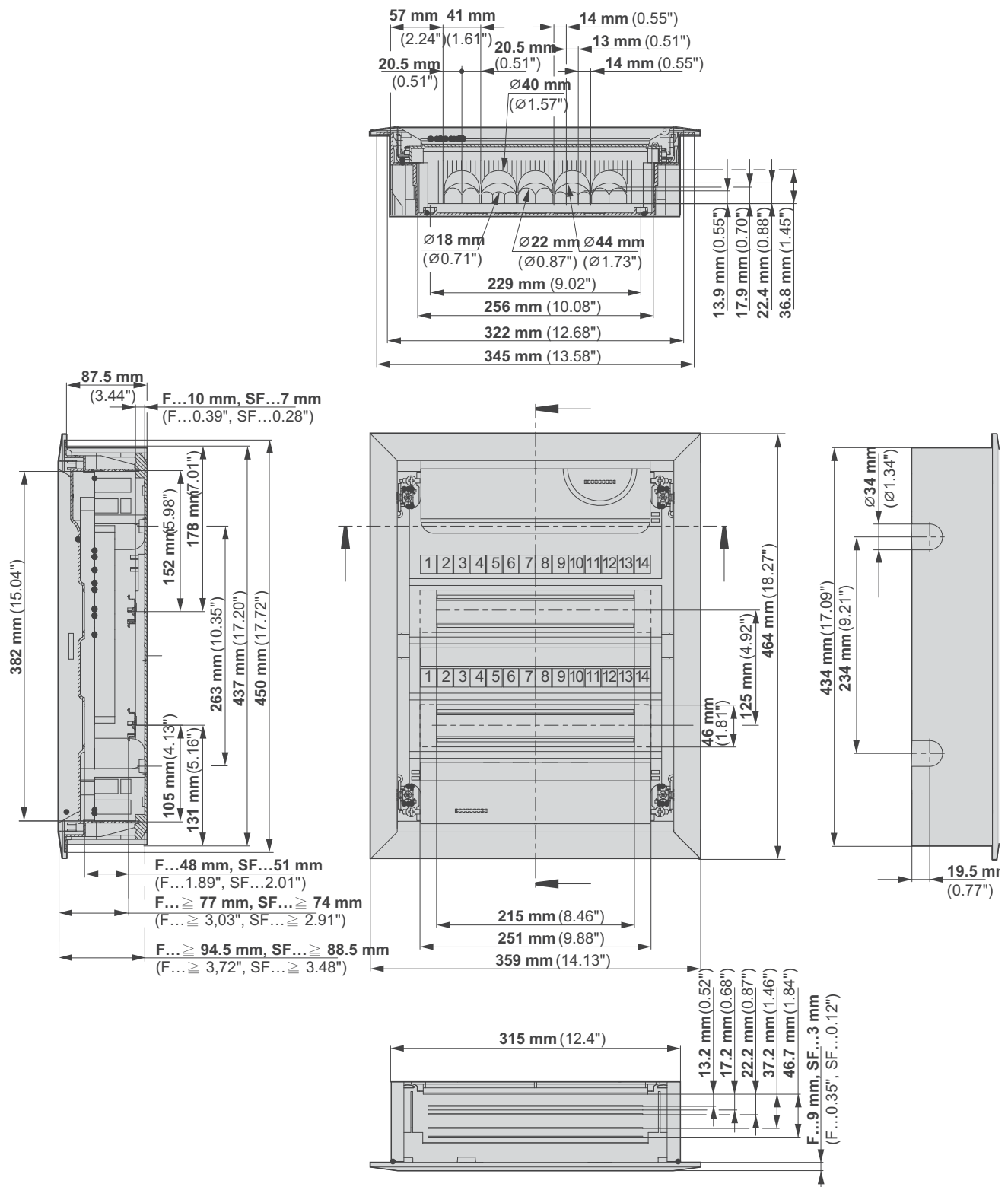
KLV-12...



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

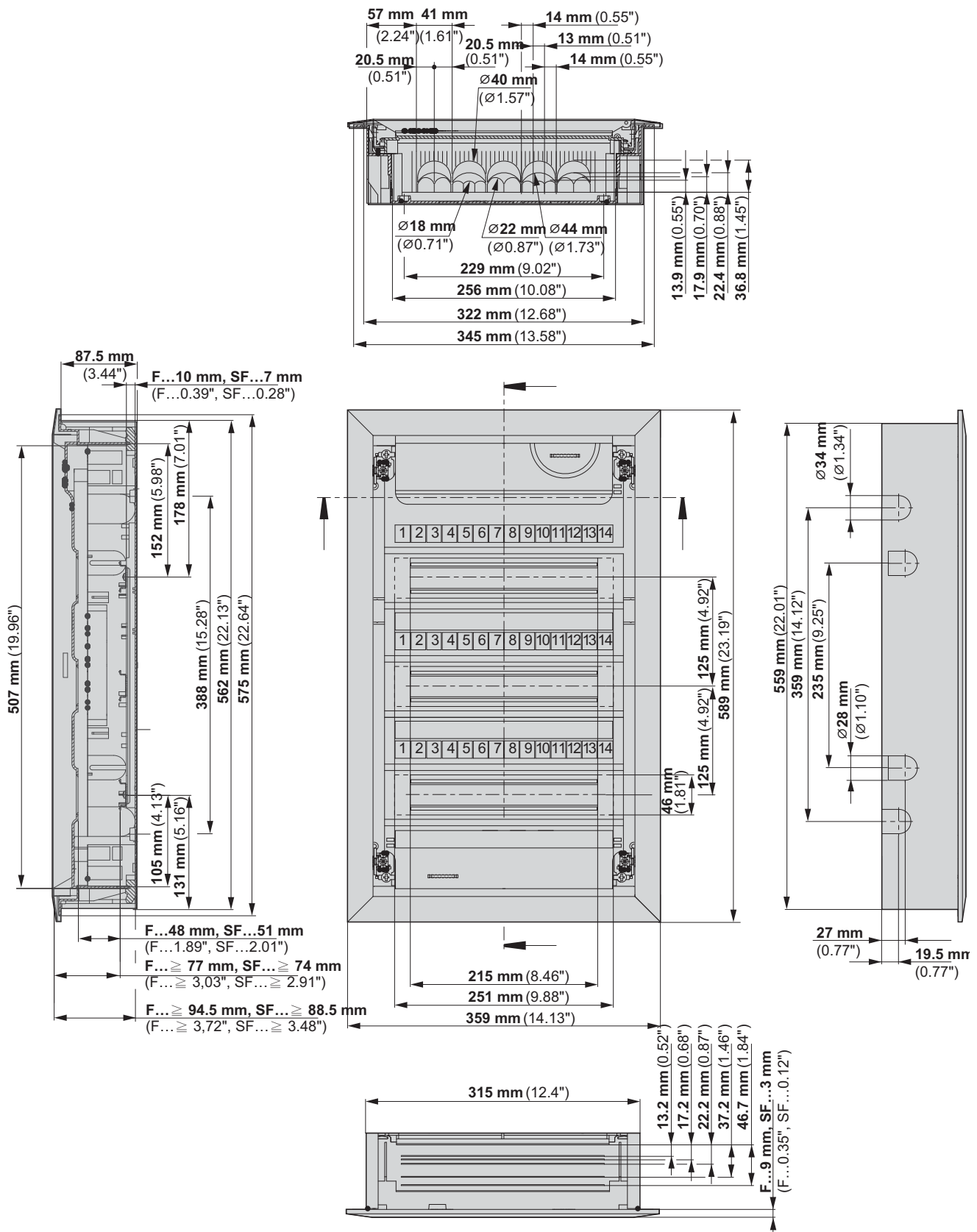
Dimensions (mm)

KLV-24...



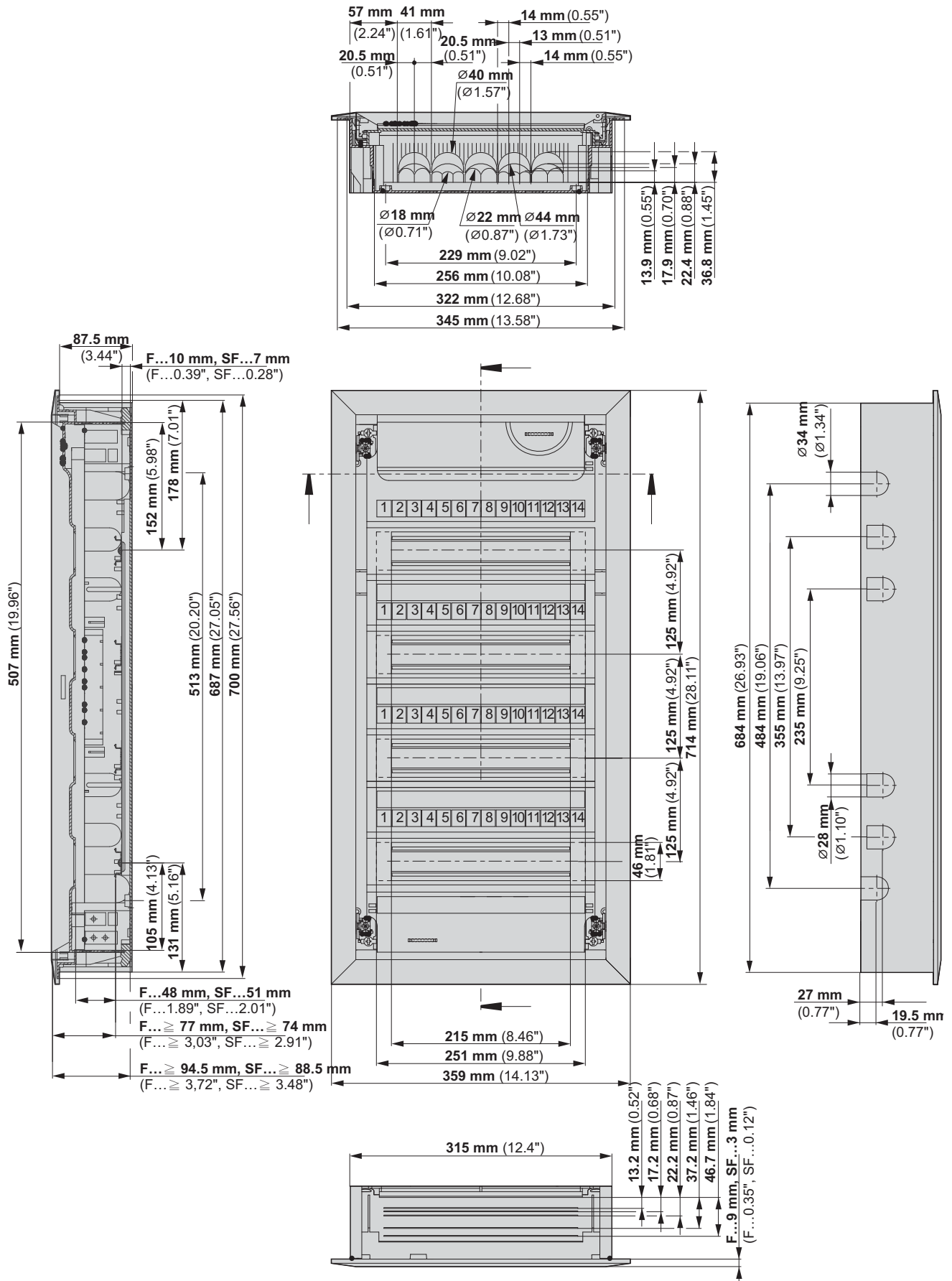
Dimensions (mm)

KLK-36...

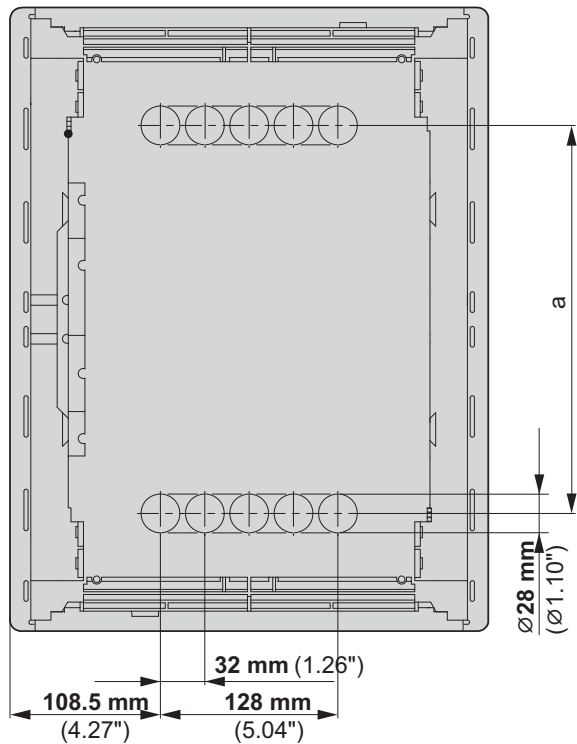


Dimensions (mm)

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

IKA	-	2	/	24	S	T	-	UV
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

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






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

²⁾ Body and cover frame, door is transparent




³⁾ Doors non-transparent in RAL7035 available upon request

⁴⁾ 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

	VT25614	VT25814	VT26014
			
	IKA-...-UV (Industrial)	IKA-...-ST (Professional)	IKA-...-OT (Standard)
Bottom part (PC)	■	—	—
Bottom part (ABS)	—	■	■
Cover frame (PC)	■	—	—
Cover frame (ABS)	—	■	■
Door (PC)	■	■	■
Removable DIN support rack	■ ¹⁾	■ ¹⁾	■ ¹⁾
N/PE screw-type terminal IP2X	■	■	—
Cover for spare areas 6 MU	■	■	—
Closing screws, sealable	■	■	■
Closing caps	■	■	■
Labelling of power circuits	■	■	■

¹⁾ 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 ² each and 1x 35 mm ² each	transparent	IKA-1/4-ST-UV	174187	1
		RAL	IKA-1/4-SR-UV ¹⁾	174212	1

VT25214, VT24314



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

VT25114, VT24114



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

12 MUs per row

VT25014, VT24214



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

VT24814, VT24014



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




VT24614, VT23814



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

¹⁾ Available upon request



	Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
18 MUs per row						
VT24914, VT23914 	1 / 18	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm ² each and 1x 25 + 1x 35 mm ² each	transparent	IKA-1/18-ST-UV	174193	1
			RAL	IKA-1/18-SR-UV ¹⁾	174218	1
VT24714, VT23714 	2 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm ² each and 1x 25 + 1x 35 mm ² each	transparent	IKA-2/36-ST-UV	174194	1
			RAL	IKA-2/36-SR-UV ¹⁾	174219	1
VT24514, VT23614 	3 / 54	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm ² each and 1x 25 + 1x 35 mm ² each	transparent	IKA-3/54-ST-UV	174195	1
			RAL	IKA-3/54-SR-UV ¹⁾	174220	1

¹⁾ 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 ² each and 1x 35 mm ² 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 ² each and 1x 35 mm ² 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 ² each and 1x 35 mm ² 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 ² each and 1x 25 + 1x 35 mm ² 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 ² each and 1x 25 + 1x 35 mm ² 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 ² each and 1x 25 + 1x 35 mm ² each	transparent	IKA-3/36-ST	174199	1
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¹⁾ Available upon request



	Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
18 MUs per row						
VT24914 	1 / 18	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm ² each and 1x 25 + 1x 35 mm ² each	transparent	IKA-1/18-ST	174200	1
VT24714 	2 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm ² each and 1x 25 + 1x 35 mm ² each	transparent	IKA-2/36-ST	174201	1
VT24514 	3 / 54	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm ² each and 1x 25 + 1x 35 mm ² each	transparent	IKA-3/54-ST	174202	1
¹⁾ 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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VT25014



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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¹⁾ Available upon request



	Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
18 MUs per row						
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

¹⁾ Available upon request

Technical Data

IKA	
Electrical	
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
Mechanical	
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
Pre-punched metric areas	
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 ²]	PE [mm ²]
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	■	■ ¹⁾	■	■ ²⁾	■	■

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

²⁾ Body and cover frame, door is transparent

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

	VT34016	VT33716
		
	IKA-C-...-X	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	■	—
Splitted 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 ² each and 1x 7.5 + 1x 8.5 mm ² 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 ² each and 1x 7.5 + 1x 8.5 mm ² 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 ² each and 1x 7.5 + 1x 8.5 mm ² 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 ² each and 1x 7.5 + 1x 8.5 mm ² each, with individually replaceable connection plate	transparent	IKA-C-1/18-ST-LID	187352	1
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Technical Data

IKA-C	
Electrical	
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
Mechanical	
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
Pre-punched metric areas	
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

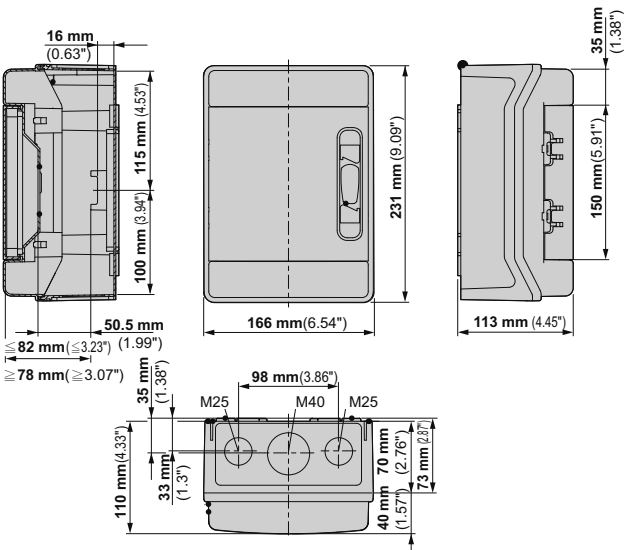
Max. connection cross-sections and assembly of the N/PE screw terminals

	[mm ²]
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

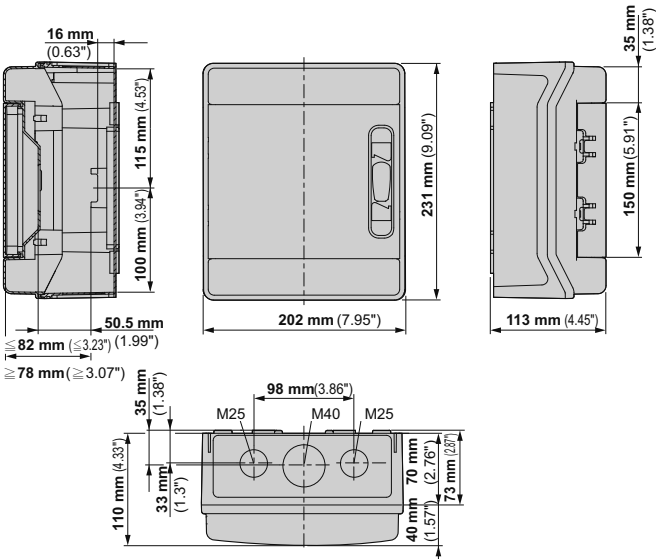
Note: Tightening torque values [Nm] of the N/PE screw terminals are directly indicated on the terminal enclosure.

Dimensions (mm)

IKA-1/4....



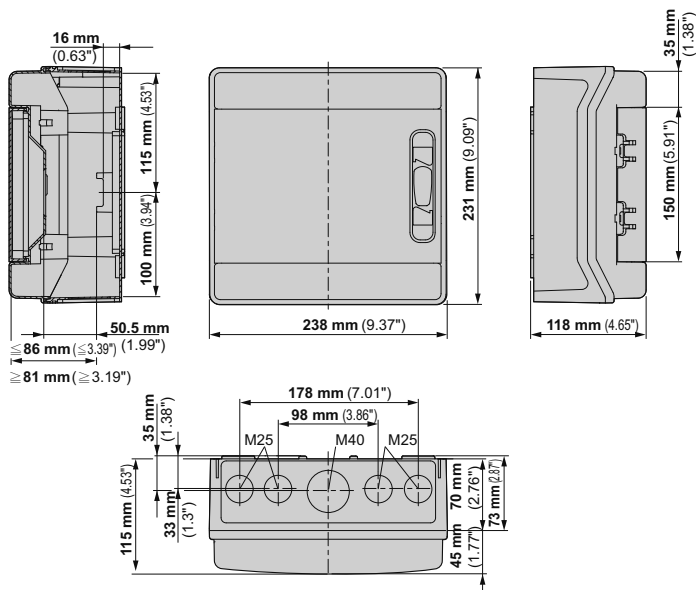
IKA-1/6....



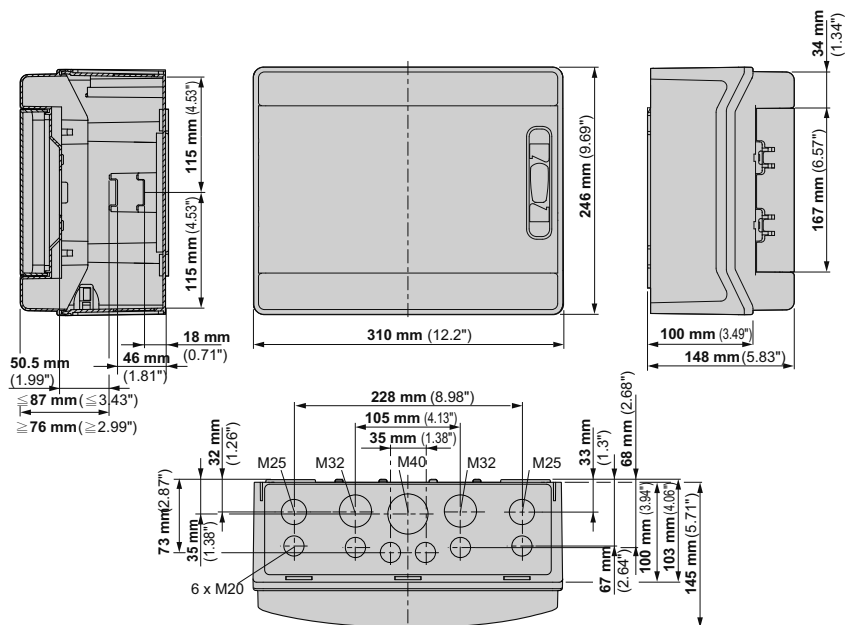
IKA-C surface-mounted Compact Distribution Boxes, IP65

Dimensions (mm)

IKA-1/8...

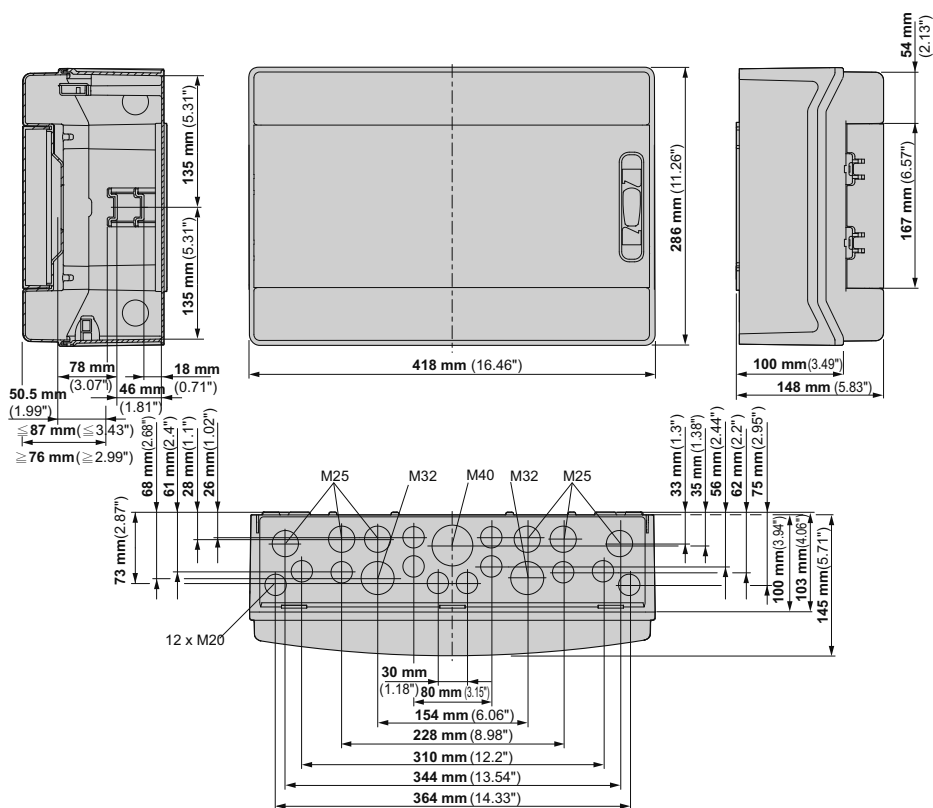


IKA-1/12....

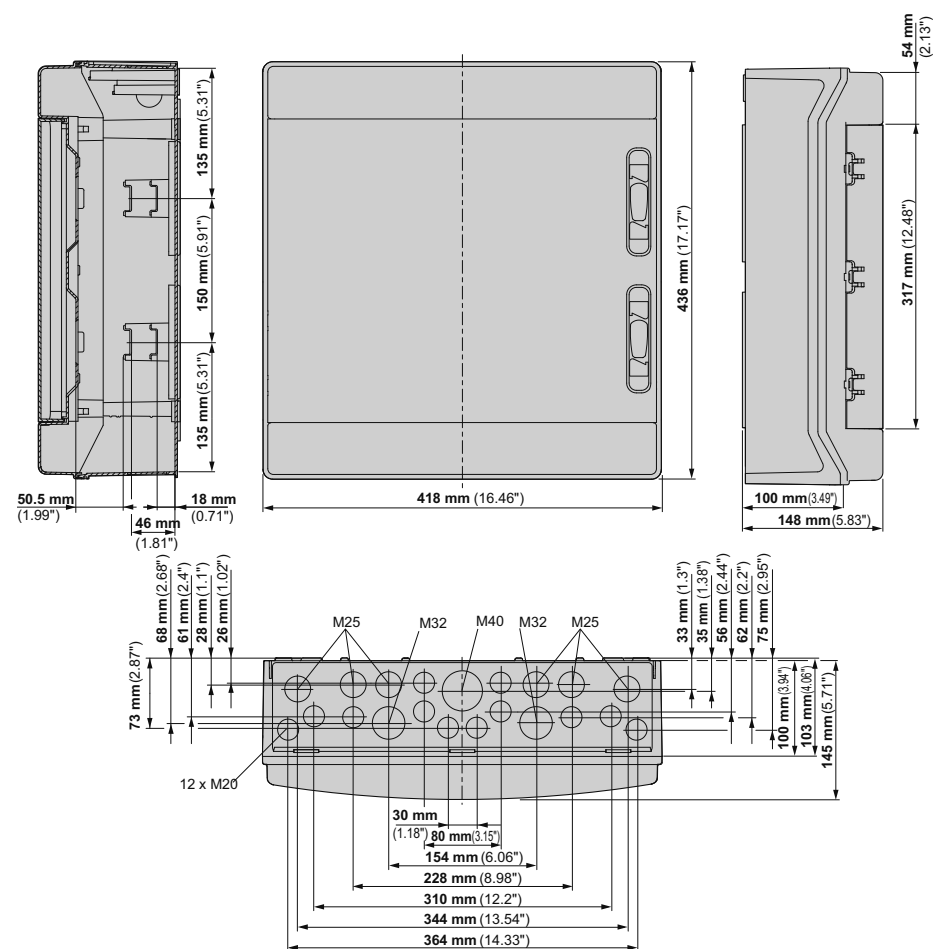


Dimensions (mm)

IKA-1/18....

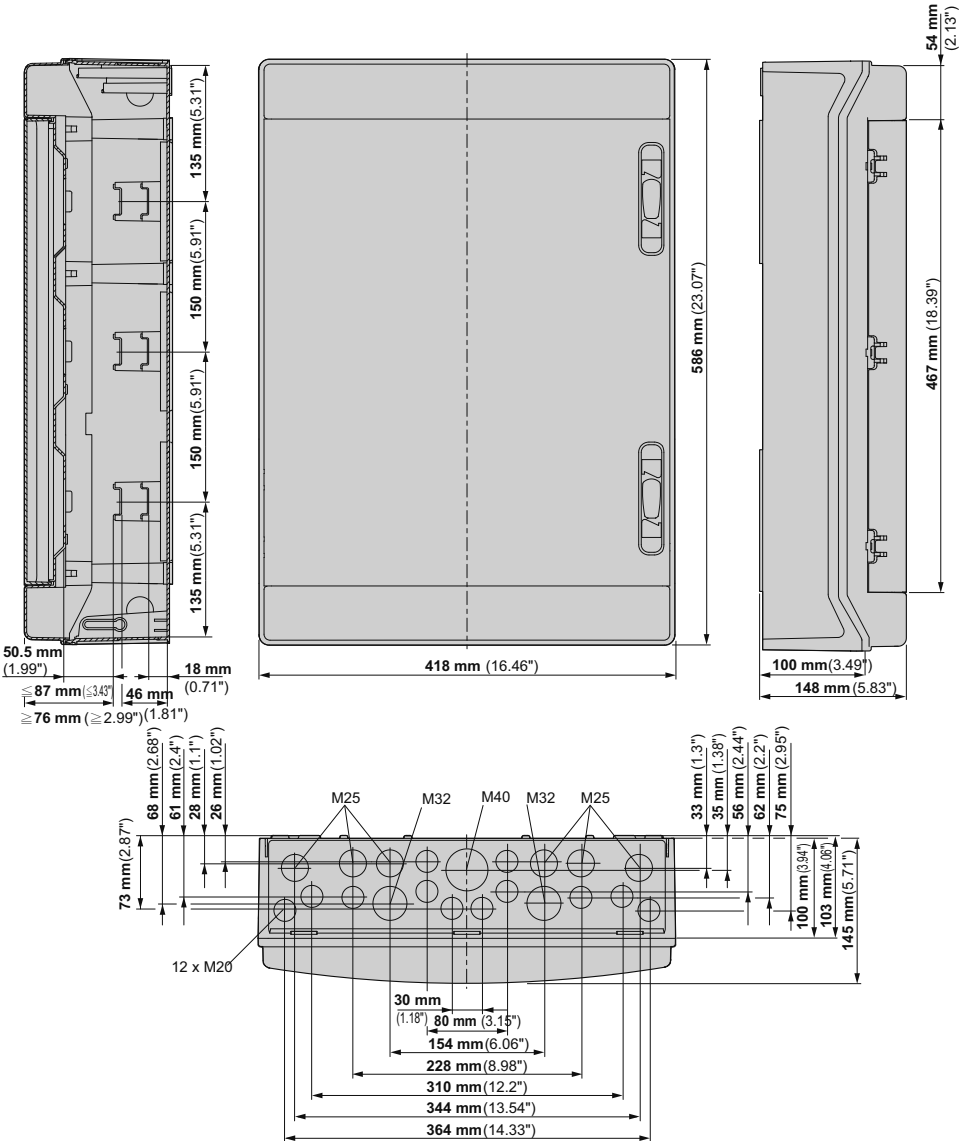


IKA-2/36....

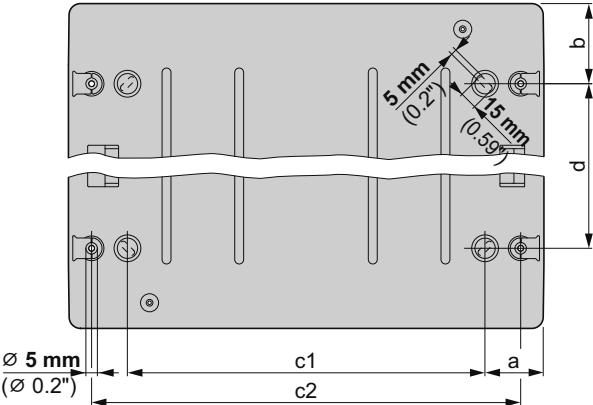


Dimensions (mm)

IKA-3/54....



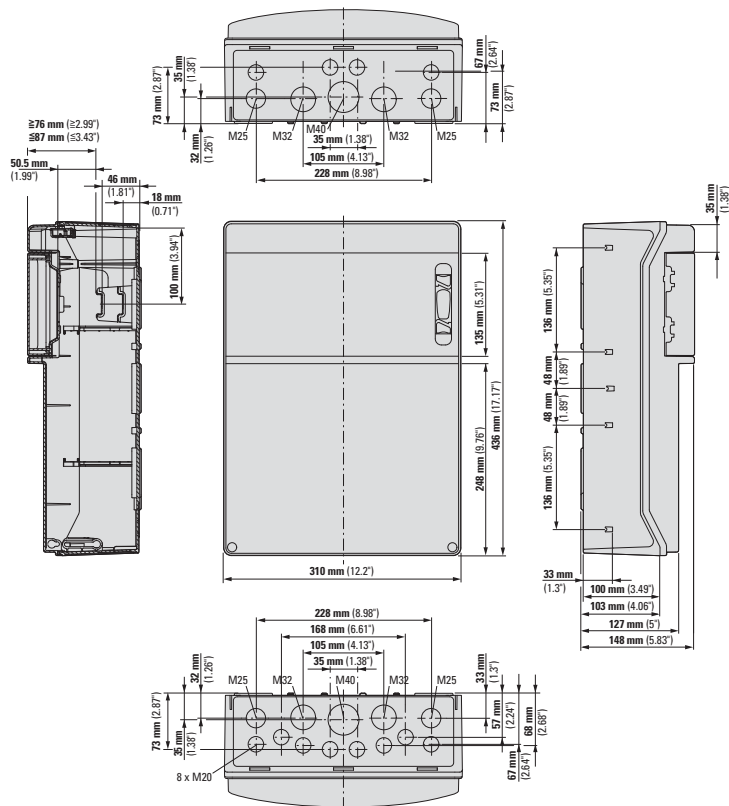
Holes for wall-mounting IKA-...



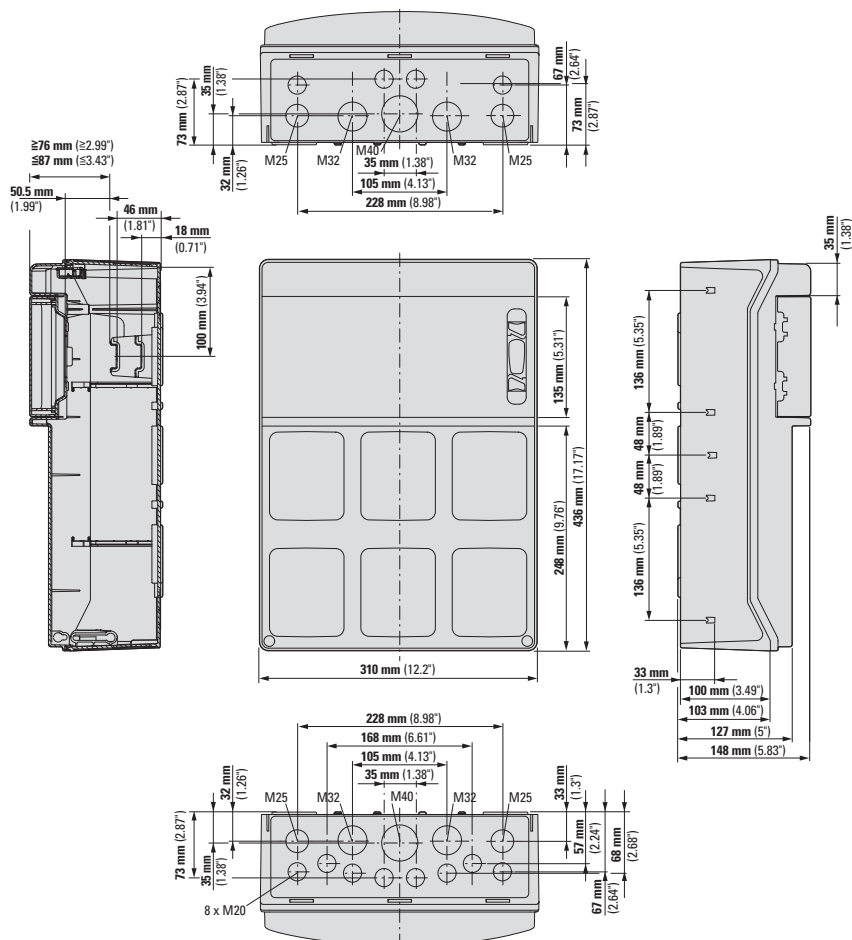
Type	a [mm]	b [mm]	c1 [mm]	c2 [mm]	d [mm]
IKA-1/4...	45	55	76	126	121
IKA-1/6...	52.5	55	97	162	121
IKA-1/8...	52.5	55	133	198	121
IKA-1/12...	51.5	62.5	207	270	121
IKA-2/24...	51.5	70.5	207	270	295
IKA-3/36...	51.5	70.5	207	270	445
IKA-1/18...	51.5	70.5	315	378	145
IKA-2/36...	51.5	70.5	315	378	295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

Dimensions (mm)

IKA-C-1/12-ST-X

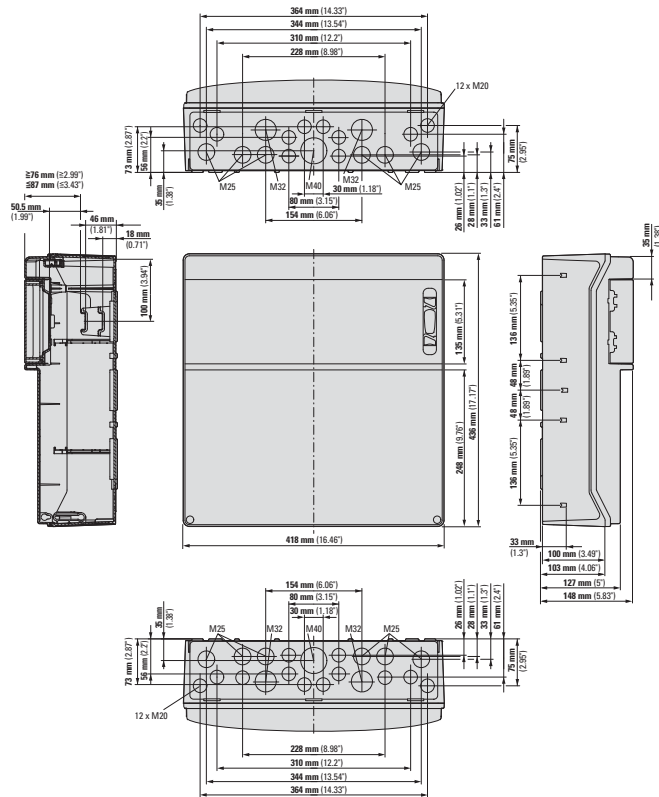


IKA-C-1/12-ST-LID

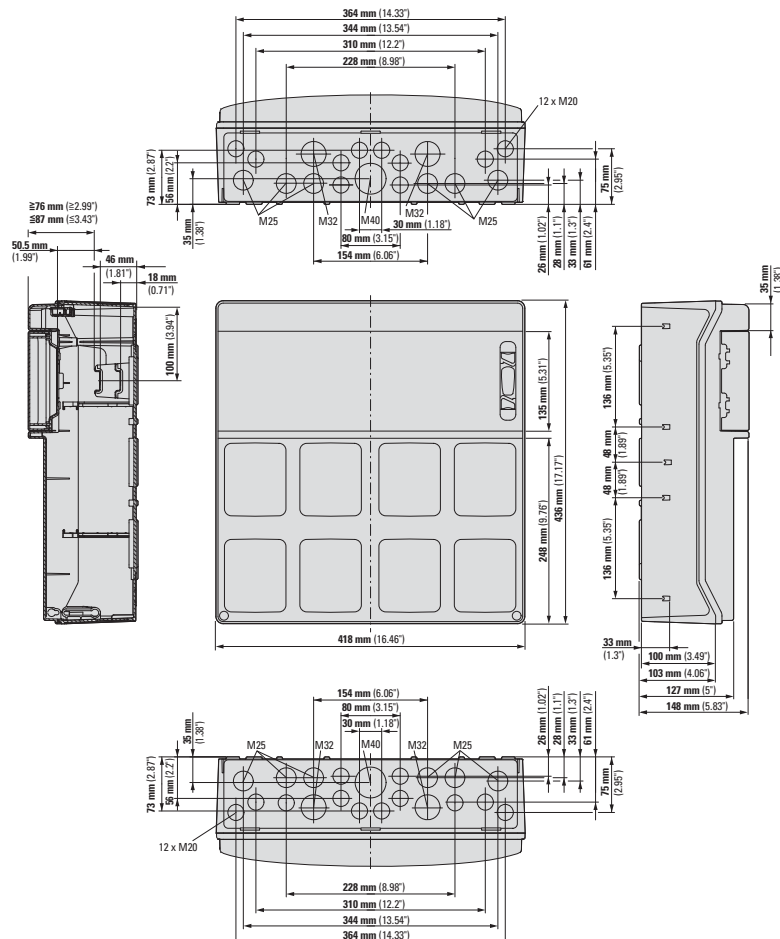


Dimensions (mm)

IKA-C-1/18-ST-X



IKA-C-1/18-ST-LID



vt14215

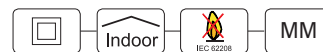


Description

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.)**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 mm²
- 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

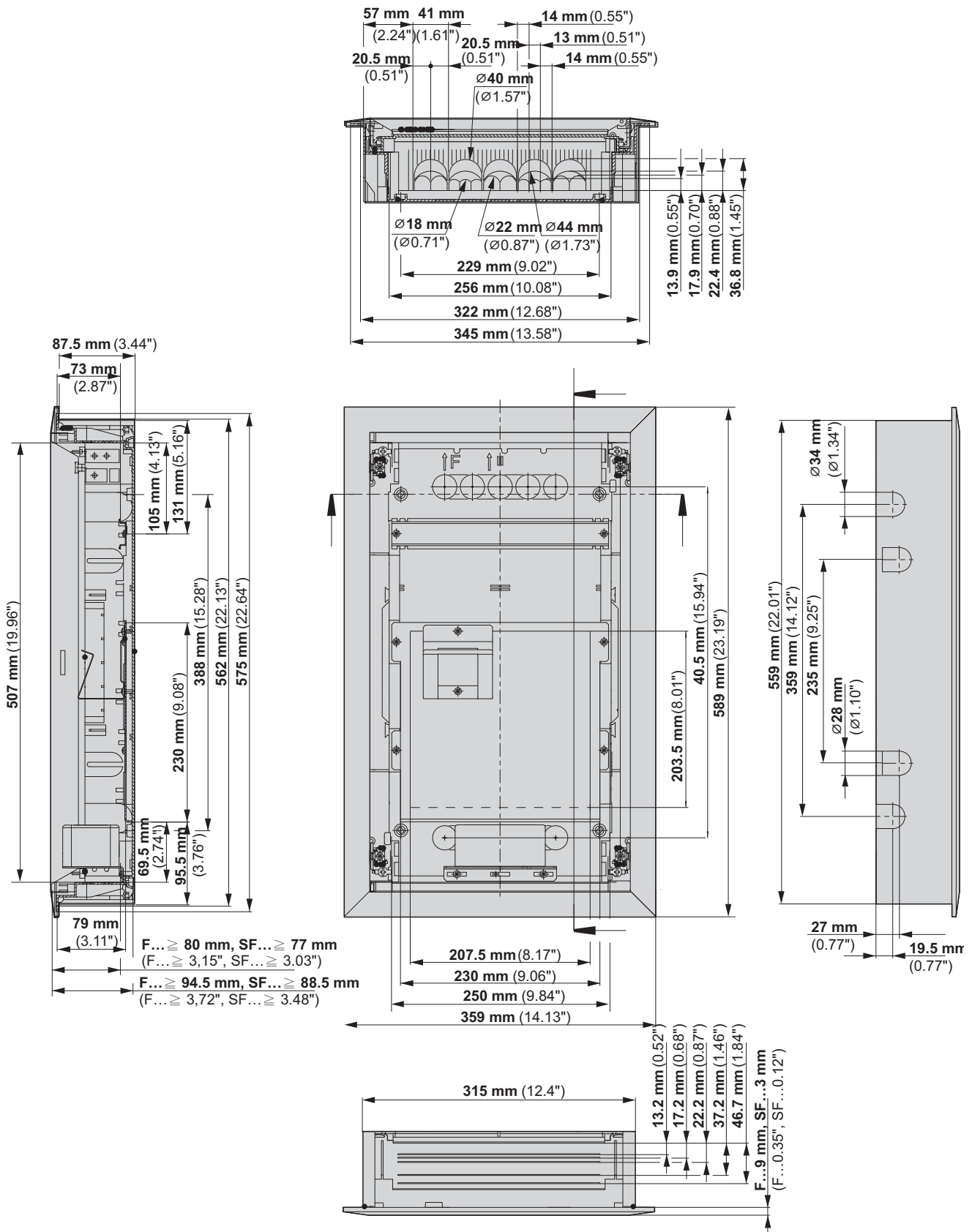
KLV-48HWM-SF

178837

1/45

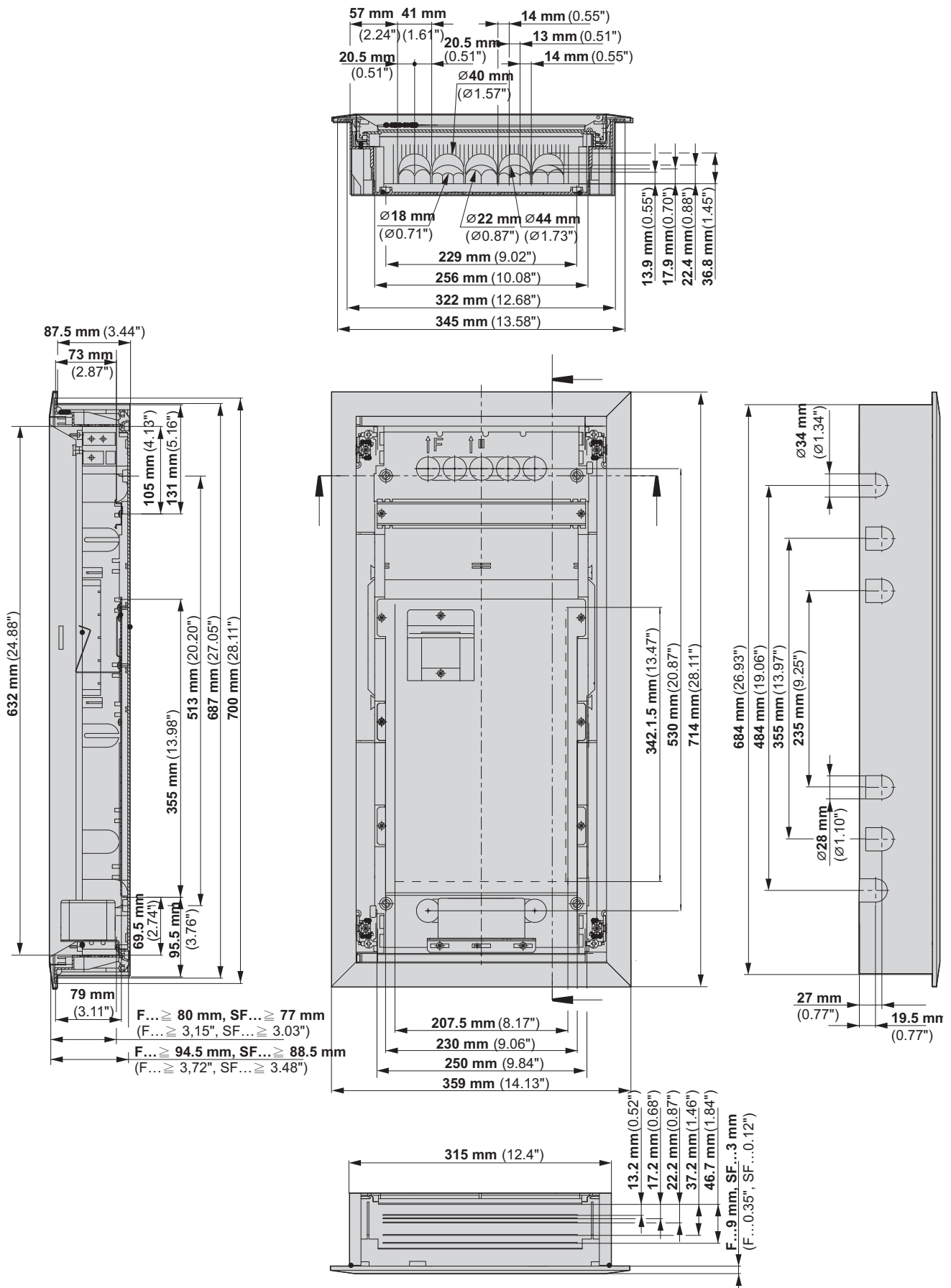
Dimensions (mm)

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.)**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

vt17215



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.)**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

vt27915



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

vt27915



With DIN rail structure, N-PE combination plug-type terminal, N-FI terminal, stable device cover, cable holder

1 / 12+2	KLV-1UPP-4PR	178866	1/90
2 / 24+4	KLV-2UPP-4PR	178867	1/60
3 / 36+6	KLV-3UPP-4PR	178868	1/60
4 / 48+8	KLV-4UPP-4PR	178869	1/45

Delivery Form for Projects - Interieur, hollow-wall mounted




vt26715



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.)
Delivery Form for Projects - Exterieur				
vt115814 	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
vt119414 	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
Delivery Form for Projects - Exterieur, coloured				
vt115914 	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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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



MU per row / rows

Type
DesignationArticle 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**

vt11816



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

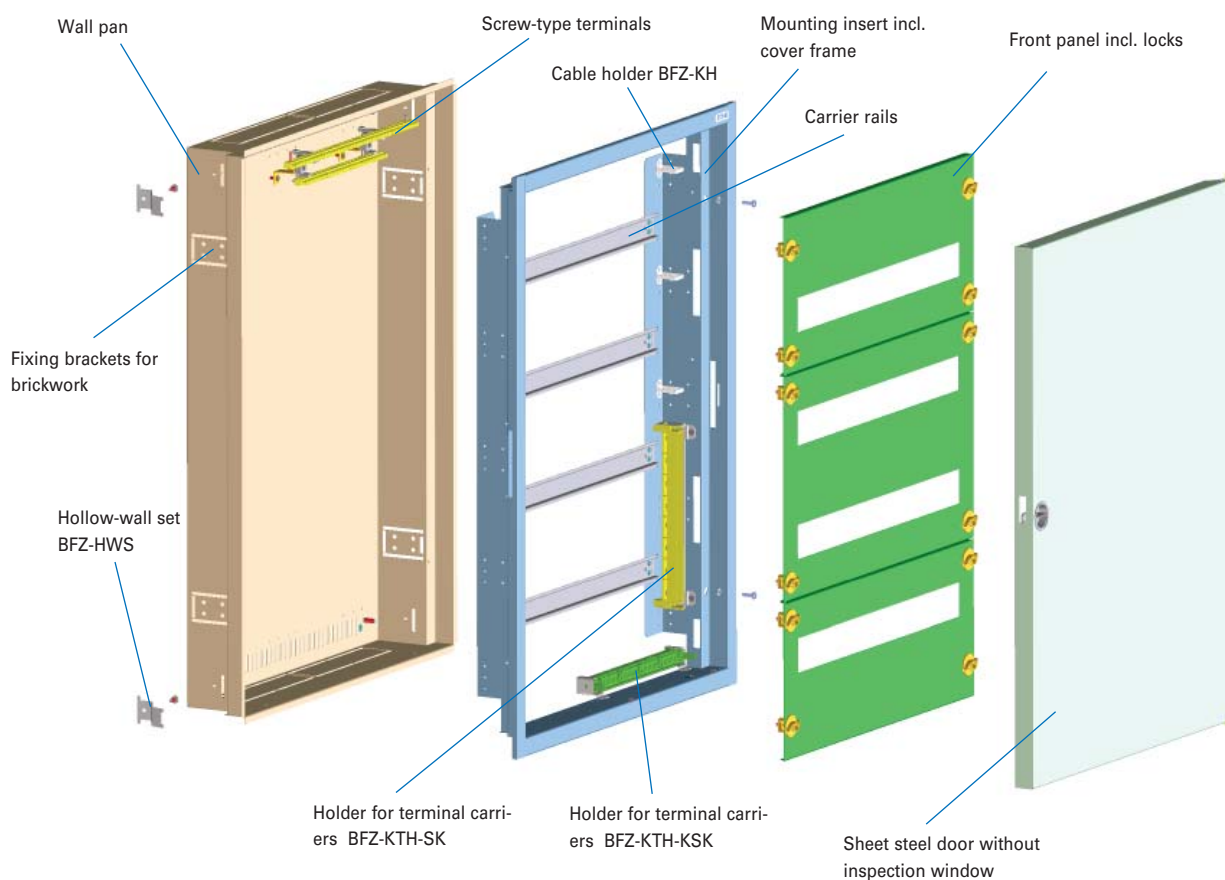
Technical Data

BF-U(T(M))-2S-/-...-100		
Electrical		
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 (ΔT) *):		
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		
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	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 mm² / 6x 16 mm²	
KL29	2x 25 mm² / 27x 16 mm²	
KL45	2x 25 mm² / 43x 16 mm²	
KL60	2x 25 mm² / 58x 16 mm²	

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).

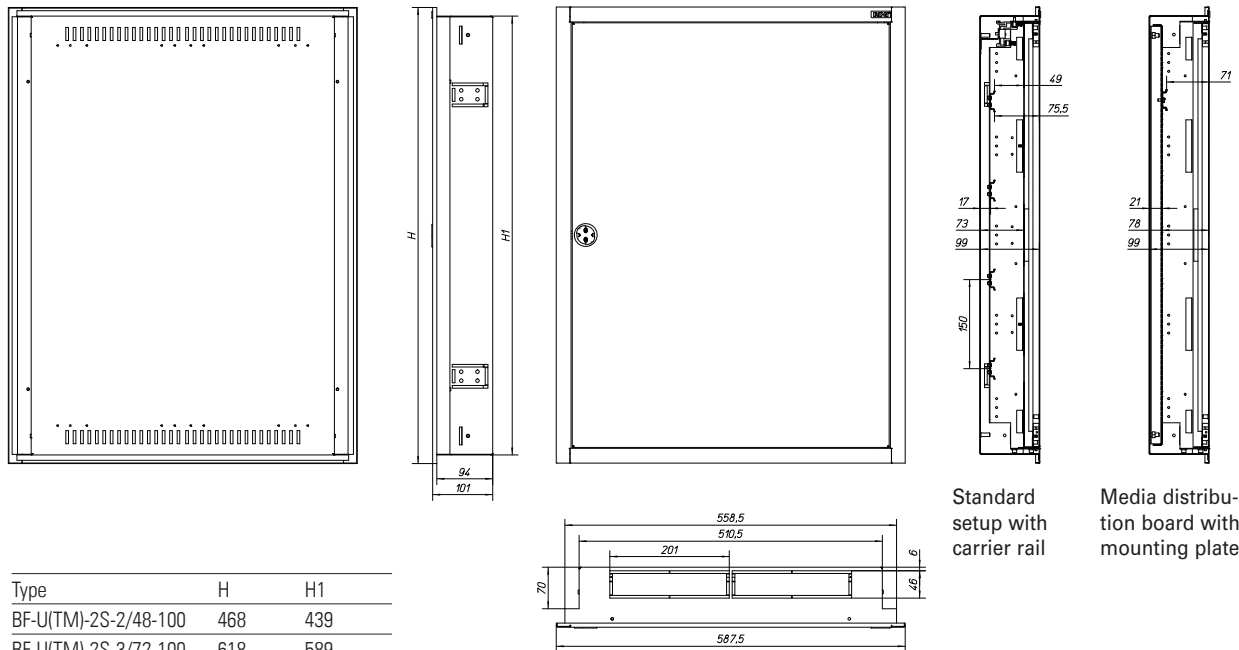
Overview of the individual components



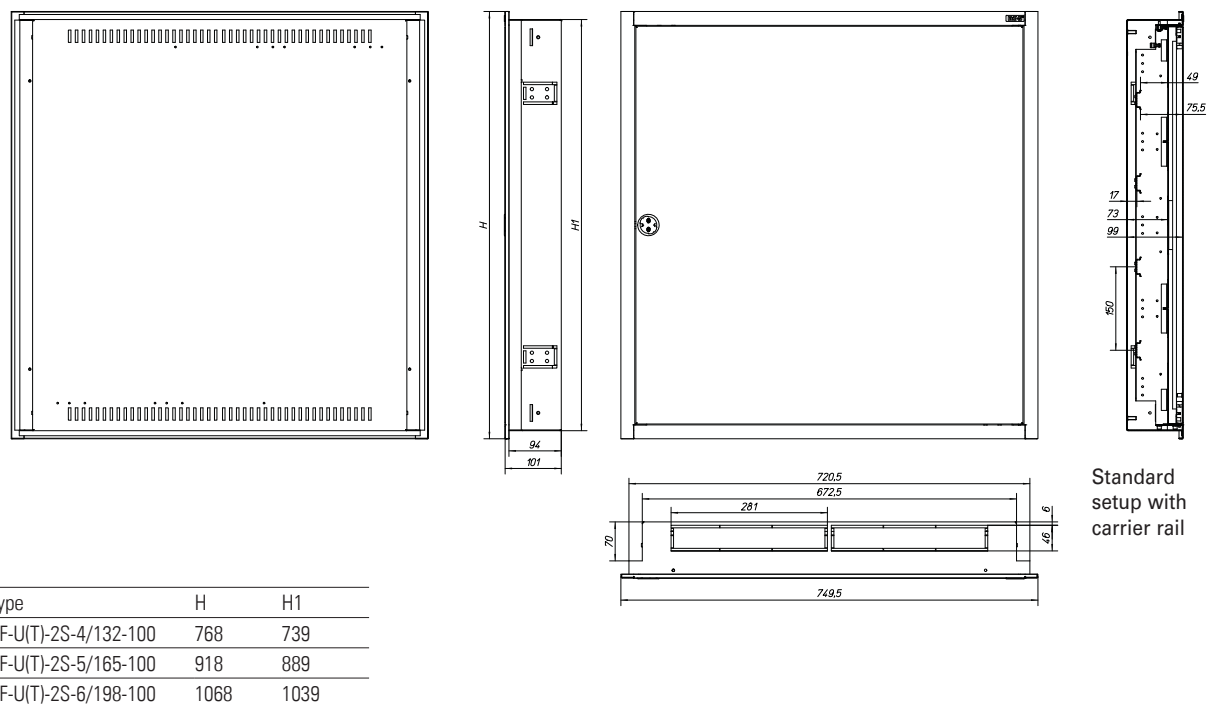
Flat_3D

Dimensions (mm)

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



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



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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 polyester powder 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**

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

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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		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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**

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

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

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

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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

BF-U-./..-P		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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
DesignationArticle 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**

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

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**

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

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

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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

BF-U-./.-C		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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

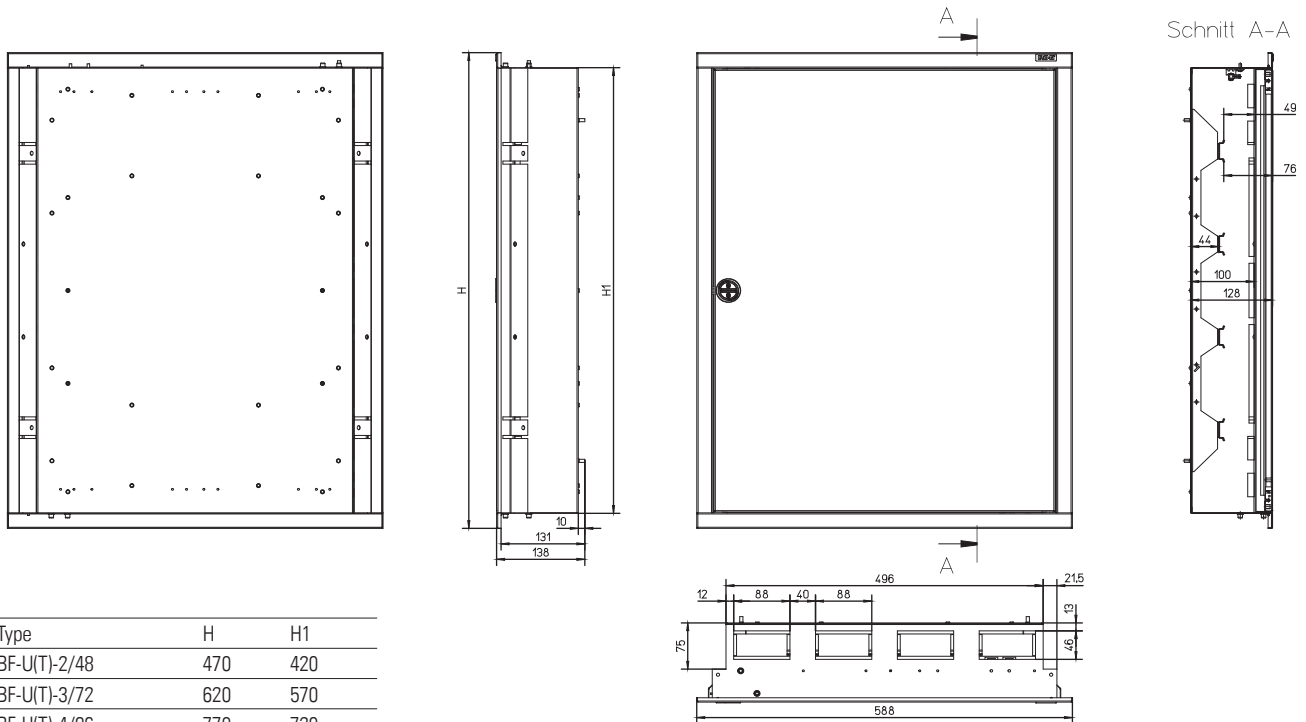
24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46mm)

Cable entries below

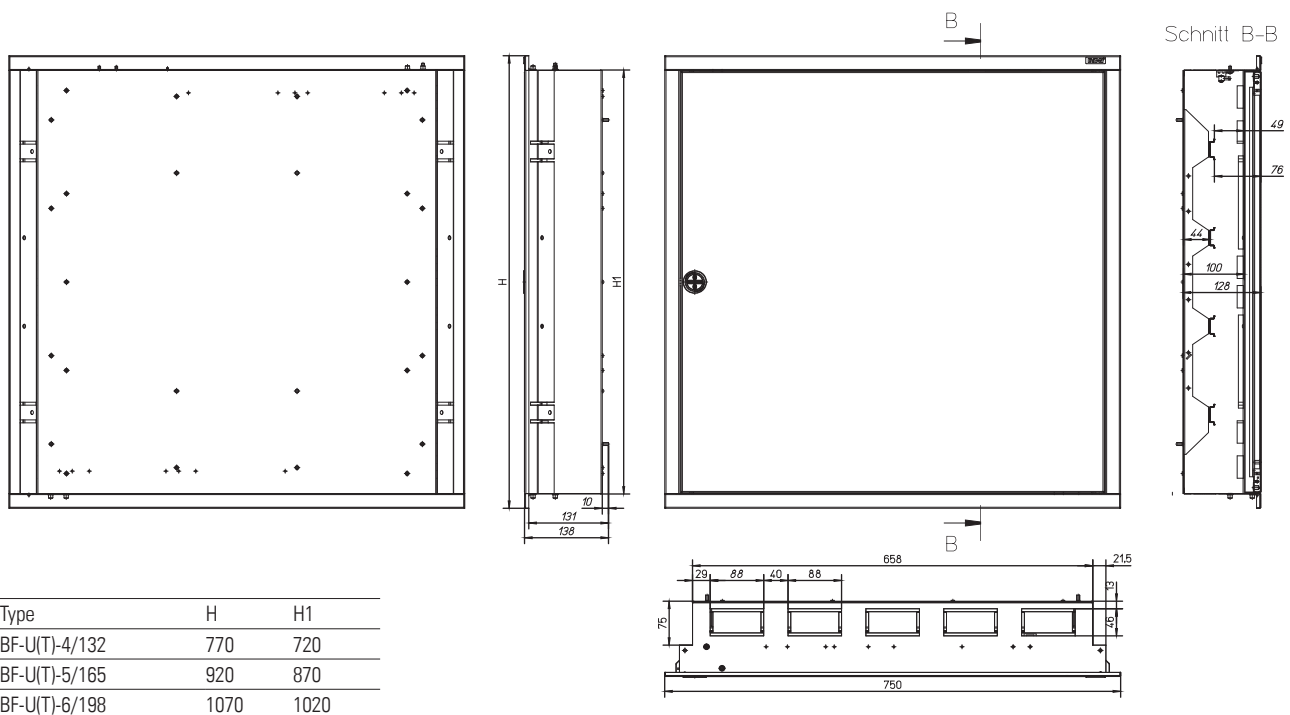
24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46mm)

Dimensions (mm)


Flush-mounting Flat Distribution Boards with 24 MUs per row




Flush-mounting Flat Distribution Boards with 33 MUs per row



Indoor

IEC 62208



Article No.

Pack
(pcs.)

MU per row / rows

Type
Designation

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



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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		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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)

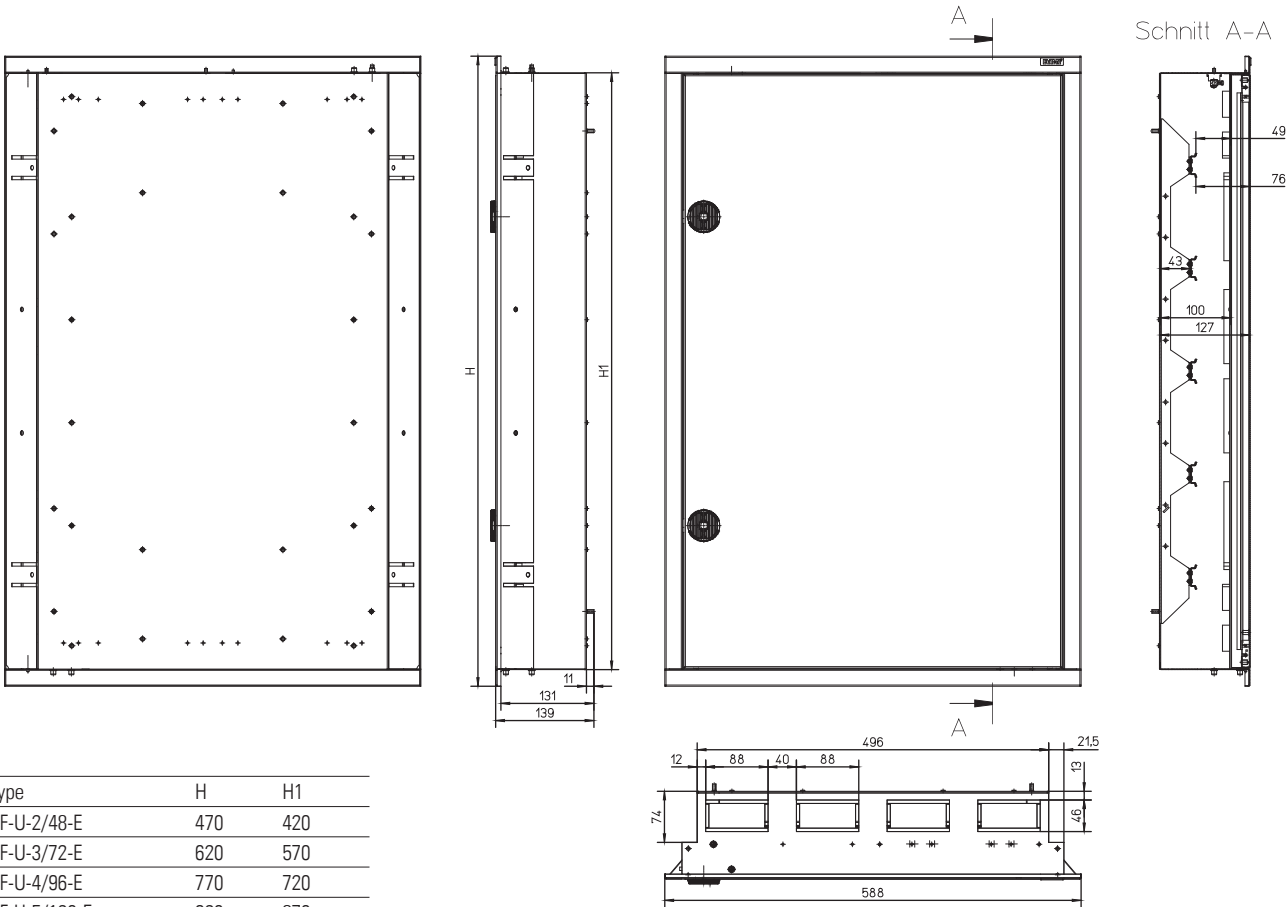
Cable entries below

24 MUs per row

Relief stamp: 4x (88x46 mm)

Dimensions (mm)

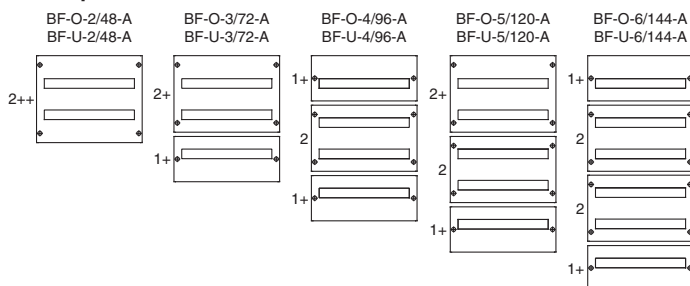
Flush-mounting Flat Distribution Boards with 24 MUs per row



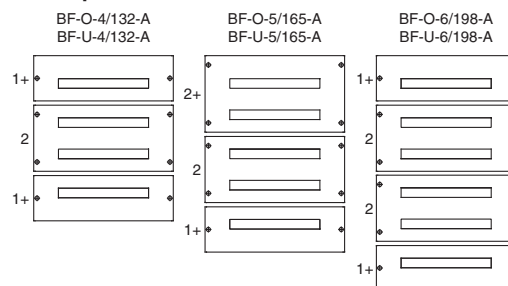
Allocation of front plate

Allocation of front plate (delivery status), Version A

24 MUs per row

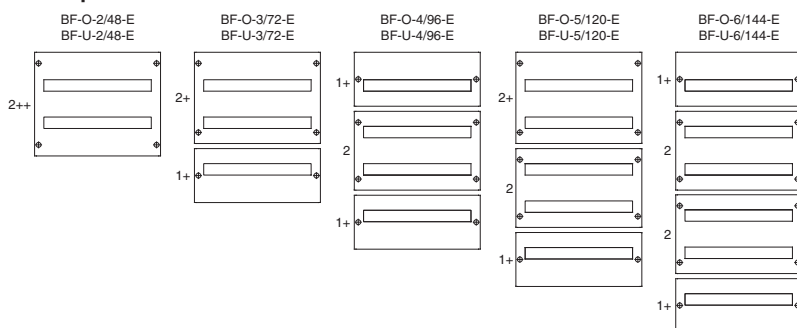


33 MUs per row



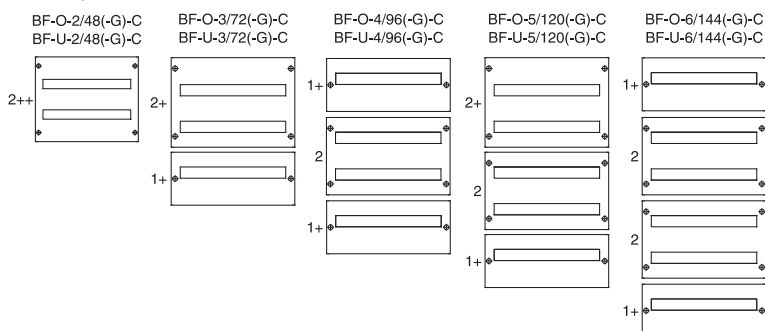
Allocation of front plate (delivery status), Version E

24 MUs per row

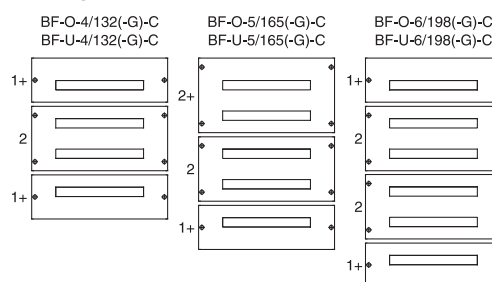


Allocation of front plate (delivery status), Version C

24 MUs per row

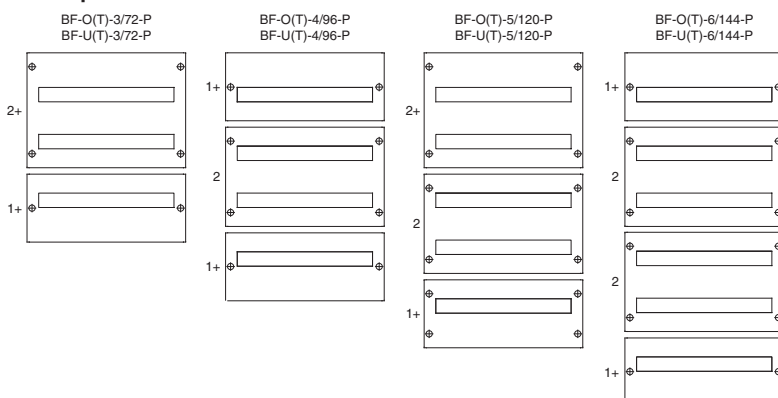


33 MUs per row



Allocation of front plate (delivery status), Version P

24 MUs per row



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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 polyester powder 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
DesignationArticle 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_vt01813



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

BF-O-./..-A		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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

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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

BF-O-./.-P		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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
DesignationArticle 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**

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

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**Grey**

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

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

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

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**Grey**

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

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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

BF-O-./.-C		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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

2x Flange:

14x $\varnothing 11\text{mm}$ 8x $\varnothing 15\text{mm}$ 2x $\varnothing 28\text{mm}$

Relief stamp:

2x M32/M40

33 MUs per row

3x Flange:

14x $\varnothing 11\text{mm}$ 8x $\varnothing 15\text{mm}$ 2x $\varnothing 28\text{mm}$

Relief stamp:

1x M32/M40

Cable entries below

24 MUs per row

Relief stamp:

2x M32/M40

6x M25

8x M20

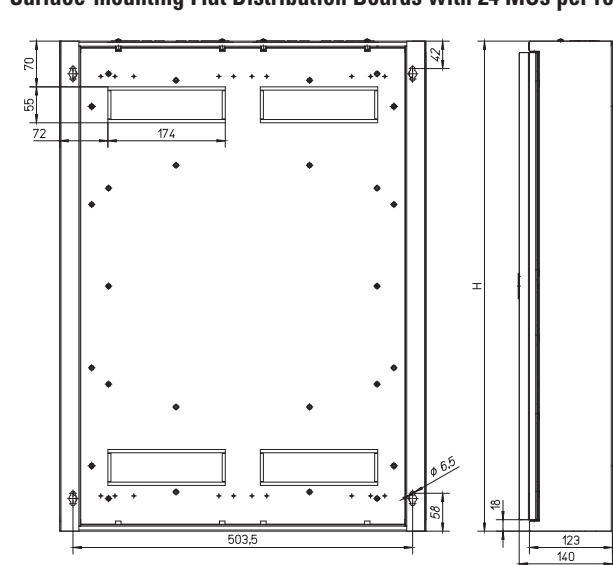
33 MUs per row

Relief stamp:

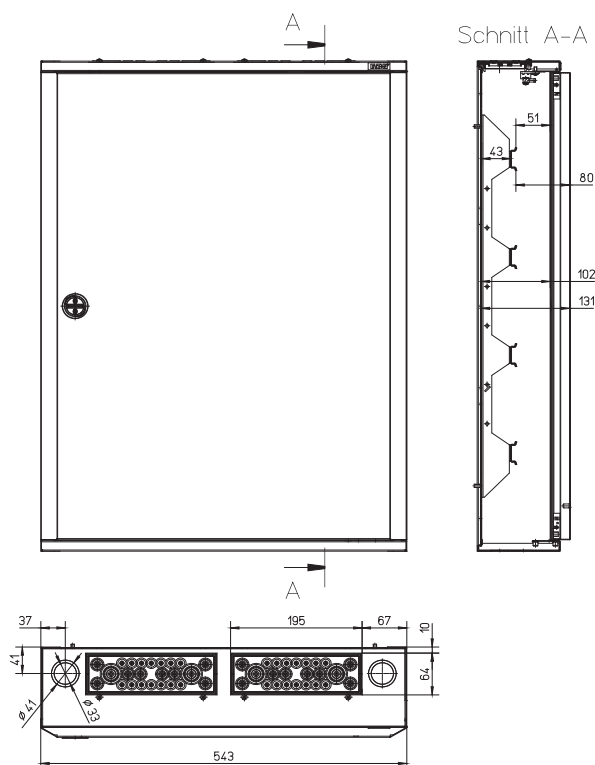
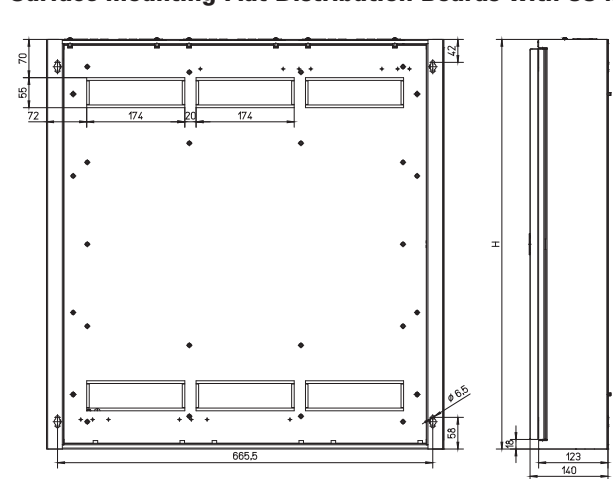
1x M32/M40

12x M25

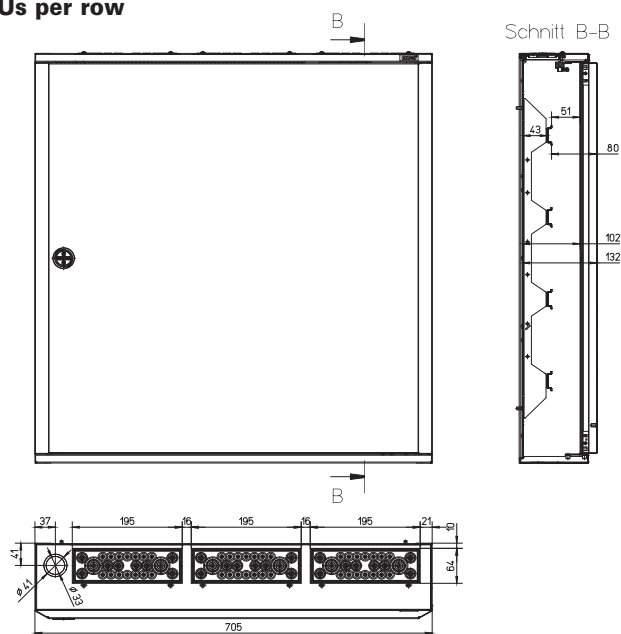
8x M20

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	



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	



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		
Electrical		
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	
Mechanical		
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	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
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

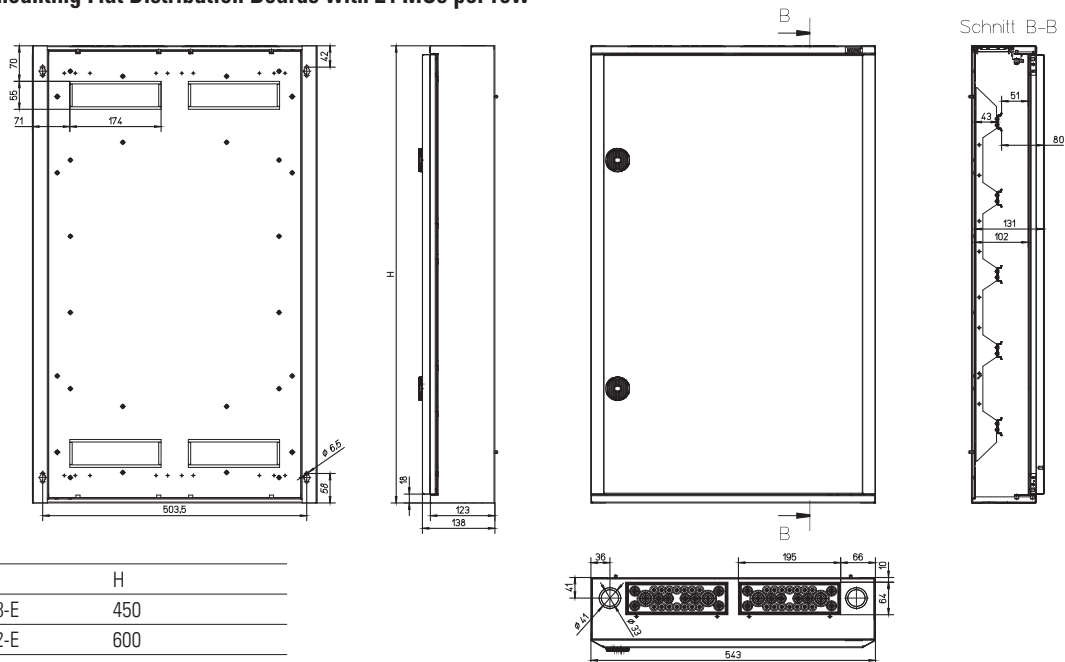
24 MUs per row		33 MUs per row	
2x Flange:	14x ø11mm 8x ø15mm 2x ø28mm	3x Flange:	14x ø11mm 8x ø15mm 2x ø28mm
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40

Cable entries below

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

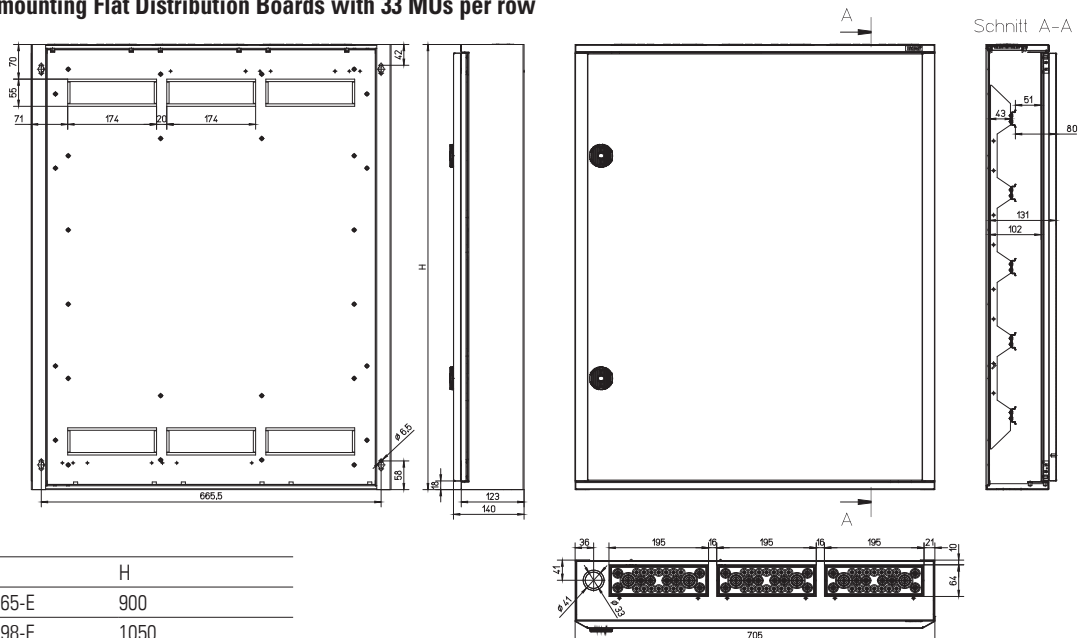
Dimensions (mm)

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

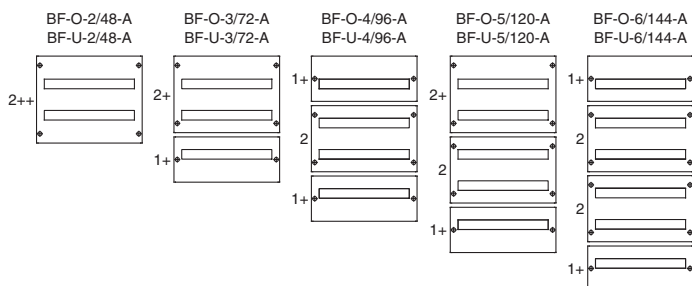


Type	H
BF-O(T)-5/165-E	900
BF-O(T)-6/198-E	1050

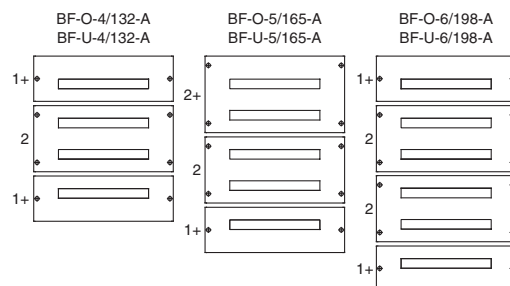
Allocation of front plate

Allocation of front plate (delivery status), Version A

24 MUs per row

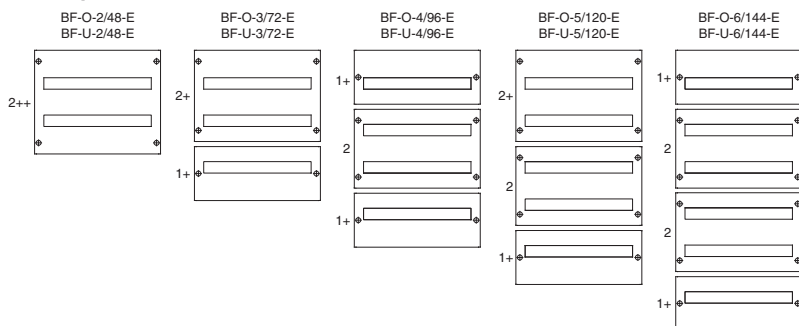


33 MUs per row



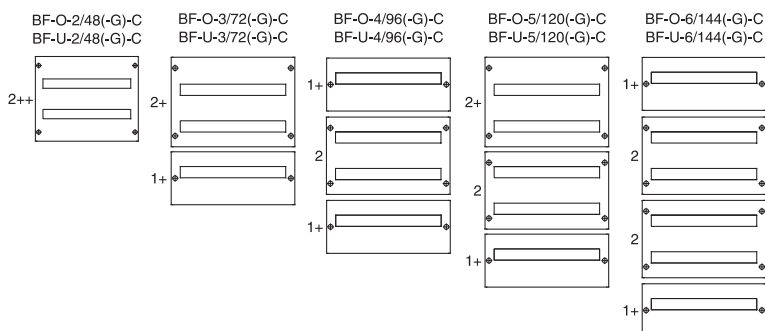
Allocation of front plate (delivery status), Version E

24 MUs per row

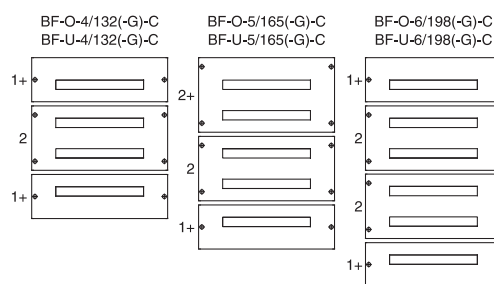


Allocation of front plate (delivery status), Version C

24 MUs per row

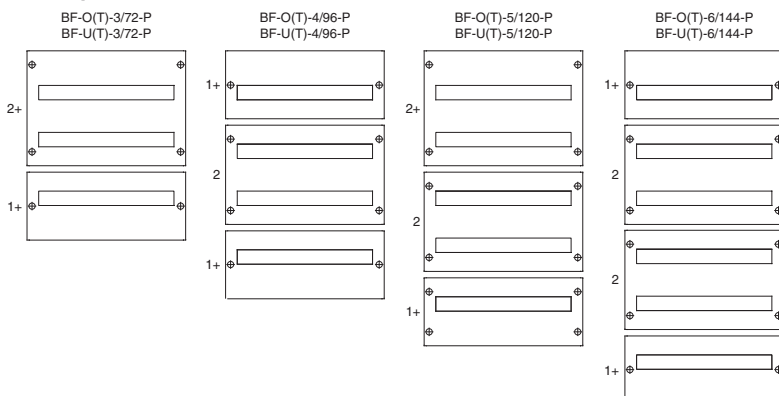


33 MUs per row



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

EWK	-	G	1	3	/	31
Surface-mounted	-		Width MU	mm	Height Rows	mm
Section						IP
Distribution Boxes						
complete						
			1	300	3	500
			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 ² + 21x 0,75-4 mm ²	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 ² + 21x 0,75-4 mm ²	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 ² + 21x 0,75-4 mm ²	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.)
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4-rows

vt42117_r



4 / 48	with 1x PE- and 1x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	300x650x225	EWK-G14/31	193158	1
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vt42017_r



4 / 96	with 2x PE- and 2x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	550x650x225	EWK-G24/31	193162	1
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vt01318_r



4 / 144	with 3x PE- and 3x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	800x650x225	EWK-G34/31	193166	1
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	Rows / MU	Description	Dimensions W x H x D [mm]	Type Designation	Article No.	Pack (pcs.)
5-rows						
vt00918_r 	5 / 60	with 1x PE- and 1x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	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 ² + 21x 0,75-4 mm ²	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 ² + 21x 0,75-4 mm ²	800x800x225	EWK-G35/31	193167	1
vt00318 	5 / 240	with 4x PE- and 4x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	1050x800x225	EWK-G45/31	193169	1



Rows / MU	Description	Dimensions W x H x D [mm]	Type Designation	Article No.	Pack (pcs.)
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6-rows

vt00718_r



6 / 72	with 1x PE- and 1x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	300x950x225	EWK-G16/31	193160	1
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vt00518_r



6 / 144	with 2x PE- and 2x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	550x950x225	EWK-G26/31	193164	1
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vt00118_r



6 / 216	with 3x PE- and 3x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	800x950x225	EWK-G36/31	193168	1
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vt41517_r



6 / 288	with 4x PE- and 4x N-combination plug-type terminal 6x 1.5-16 mm ² + 21x 0,75-4 mm ²	1050x950x225	EWK-G46/31	193170	1
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Technical Data

EWK	
Electrical	
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
Mechanical	
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
Pre-punched metric areas	
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

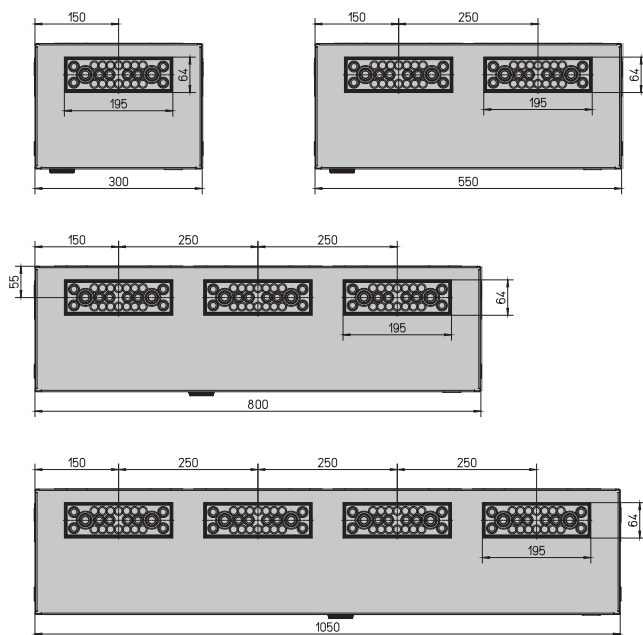
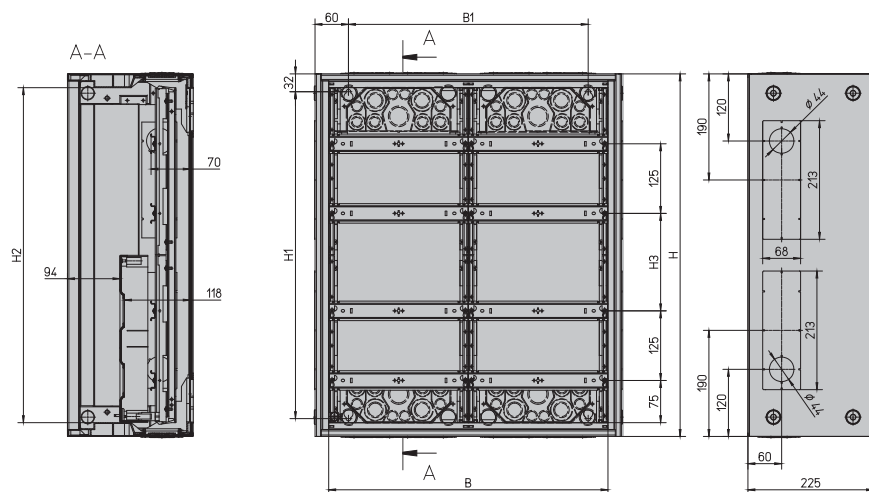
	P_v	at ΔT 20 K	at ΔT 35 K
EWK-G13/31		33 W	65 W
EWK-G14/31		40 W	80 W
EWK-G15/31		47 W	94 W
EWK-G16/31		54 W	107 W
EWK-G23/31		48 W	96 W
EWK-G24/31		58 W	116 W
EWK-G25/31		68 W	136 W
EWK-G26/31		75 W	150 W
EWK-G33/31		63 W	126 W
EWK-G34/31		66 W	132 W
EWK-G35/31		80 W	160 W
EWK-G36/31		97 W	195 W
EWK-G45/31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

1.102 Compact Distribution Boxes

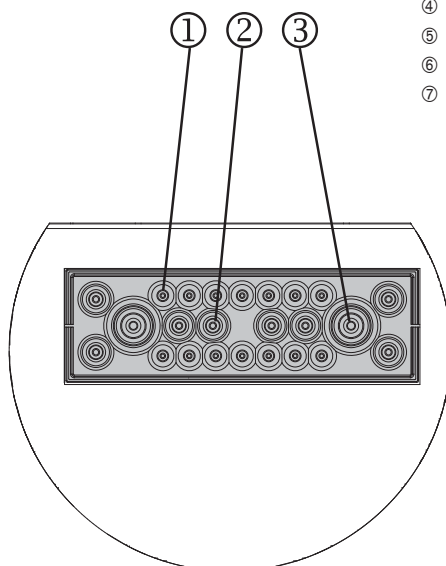
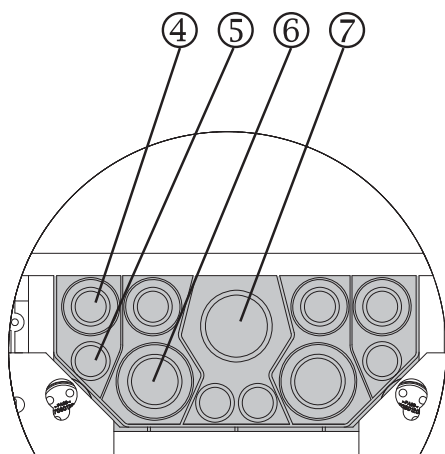
EWK Surface-mounted Field Distribution Boards, IP31

xComfort

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



vt21515



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

VT79314



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

Cable entry	Hole diameter mm	Outer cable diameter mm	Specifications for NYM/NYY, 4-wire cables mm ²	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 ² , NYM 1 x 16/3 x 1.5 mm ²	KT-M16	216983	100
M20	20.5	1 – 13	H03VV-F3 x 0.75 mm ² , NYM 5 x 1.5/5 x 2.5 mm ²	KT-M20	207602	100
M25	25.5	1 – 18	H03VV-F3 x 0.75 mm ² , NYM 4 x 10 mm ²	KT-M25	207603	100
M32	32.5	1 – 25	H03VV-F3 x 0.75 mm ² , NYM 4 x 16/5 x 10 mm ²	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 ² , NYM 1 x 2.5 mm ²	V-M12	215078	20
M16	16.5	4.5 – 10	H05VV-F 3 x 1.5 mm ² , NYM 1 x 16/3 x 1.5 mm ²	V-M16	215077	20
M20	20.5	6 – 13	H05VV-F 4 x 2.5/3 x 4 mm ² , NYM 5 x 1.5/5 x 2.5 mm ²	V-M20	206910	20
M25	25.5	9 – 17	H05VV-F 5 x 2.5/5 x 4 mm ² , NYM 5 x 2.5/5 x 6 mm ²	V-M25	206911	20
M32	32.5	13 – 21	NYM 5 x 10 mm ²	V-M32	206912	10
M40	40.5	16 – 28	NYM 5 x 16 mm ²	V-M40	209668	10
M50	50.5	21 – 35	NYM 4 x 35/5 x 25 mm ²	V-M50	206913	5
M63	63.5	34 – 48	NYM 4 x 35 mm ²	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

VT30114



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



VT27514



1)


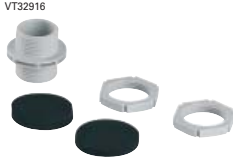
1 / 4	Transparent, lock inclusive	D00R-1/4-T-IKA	174179	1
	Non-transparent, lock inclusive	D00R-1/4-R-IKA ¹⁾	174227	1
1 / 6	Transparent, lock inclusive	D00R-1/6-T-IKA	174180	1
	Non-transparent, lock inclusive	D00R-1/6-R-IKA ¹⁾	174228	1
1 / 8	Transparent, lock inclusive	D00R-1/8-T-IKA	174181	1
	Non-transparent, lock inclusive	D00R-1/8-R-IKA ¹⁾	174229	1
1 / 12	Transparent, lock inclusive	D00R-1/12-T-IKA	174182	1
	Non-transparent, lock inclusive	D00R-1/12-R-IKA ¹⁾	174230	1
2 / 24	Transparent, lock inclusive	D00R-2/24-T-IKA	174183	1
	Non-transparent, lock inclusive	D00R-2/24-R-IKA ¹⁾	174231	1
3 / 36	Transparent, lock inclusive	D00R-3/36-T-IKA	174223	1
	Non-transparent, lock inclusive	D00R-3/36-R-IKA ¹⁾	174232	1
1 / 18	Transparent, lock inclusive	D00R-1/18-T-IKA	174224	1
	Non-transparent, lock inclusive	D00R-1/18-R-IKA ¹⁾	174233	1
2 / 36	Transparent, lock inclusive	D00R-2/36-T-IKA	174225	1
	Non-transparent, lock inclusive	D00R-2/36-R-IKA ¹⁾	174234	1
3 / 54	Transparent, lock inclusive	D00R-3/54-T-IKA	174226	1
	Non-transparent, lock inclusive	D00R-3/54-R-IKA ¹⁾	174184	1

¹⁾ 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.)
Linking element				
<div>VT32816</div> 	all IKA	Connection piece M25 for connecting multiple enclosures IKA next to each other	M25LUG-IKA	1873531
<div>VT32916</div> 	all IKA	Connection piece M40 for connecting multiple enclosures IKA next to each other	M40LUG-IKA	1873541

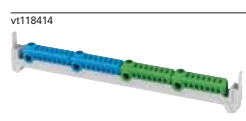



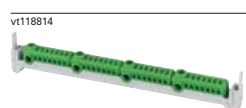
Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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Additional Equipment / Spare Parts KLV-...




Combined plug-type terminal

- Combined plug-type terminal with plug-in terminal points for 0.5-4 mm² round conductors and screw-type terminal points for 2.5-25 mm² 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	N/PE Combined plug-type terminal	KSK-2N/2PE-KLV	178898	1
	1x PE potential	2x 2.5-25 mm ² each and 14x 0.5-4 mm ² each			
	1x N potential	N Combined plug-type terminal	KSK-4N-KLV	178899	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			
	2x N potential	N/N Combined plug-type terminal	KSK-3N/1N-KLV	178900	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			
	2x N potential	N/N Combined plug-type terminal	KSK-2N/2N-KLV	178901	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			
	1x PE potential	PE Combined plug-type terminal	KSK-4PE-KLV	178902	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			

Individual combined plug-type terminal KSK

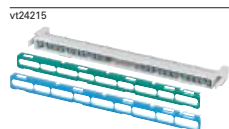
	1x N potential	N Combined plug-type terminal	KSK-N	178903	1/10
		1x 2.5-25 mm ² 7x 0.5-4 mm ²			
	1x PE potential	PE Combined plug-type terminal	KSK-PE	178904	1/10
		1x 2.5-25 mm ² 7x 0.5-4 mm ²			
	KSK-N and KSK-PE	Terminal carrier empty suitable for up to 4x KSK-N and/or 4x KSK-PE	KSK-KLV	178905	1/10

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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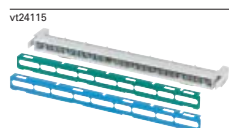
Screw-type terminal

- N/PE Screw-type terminal, electric shock protection for 0.75-25 mm² round conductors
- Terminal carriers SK-KLV can be expanded by additional N blocks for separate RCD protective circuits
- The additional block is easy to insert in the terminal carrier
- Cover in blue, green or blue/green

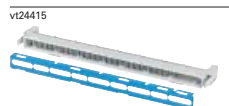
Equipped screw-type terminal SK



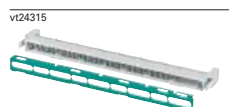
vt24215	1x N potential	N/PE Screw-type terminal	SK-13N/PE-KLV	178906	1
	1x PE potential	13x 0.75-16 mm ² (N) and 13x 0.75-16 mm ² (PE)			



vt24115	1x N potential	N/PE Screw-type terminal	SK-13N/16PE-KLV	178907	1
	1x PE potential	13x 0.75-16 mm ² (N) and 16x 0.75-16 mm ² (PE)			

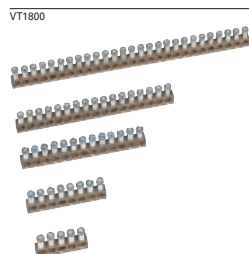


vt24415	1x N potential	N Screw-type terminal	SK-25N-KLV	178908	1
		25x 0.75-16 mm ² (N)			

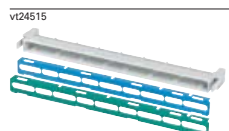


vt24315	1x PE potential	PE Screw-type terminal	SK-25PE-KLV	178909	1
		25x 0.75-16 mm ² (N)			

Individual screw-type terminal KL



VT1800	N potential or	1x 25 mm ² + 3x 16 mm ²	KL-4	219723	1
	PE potential	1x 25 mm ² + 6x 16 mm ²	KL-7	219724	1
		2x 25 mm ² + 9x 16 mm ²	KL-11	219725	1
		2x 25 mm ² + 13x 16 mm ²	KL-15	219726	1
		2x 25 mm ² + 23x 16 mm ²	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
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vt24615	1x N potential	N-FI expansion terminal for wall pan with screw-type terminal 1x 25 mm ² + 3x 16 mm ² , incl. cover in blue	N-FI-KLV	178911	1
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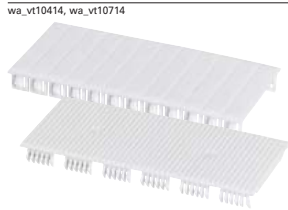


vt24715	SK-...KLV	Expansion terminal with screw-type connection 1x 35 mm ²	KLA	275453	1
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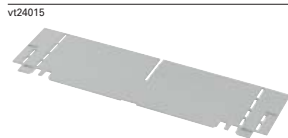
Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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Lock set LOCK-KLV

KLV-...	Lock set for sheet steel door, keyed alike, incl. 2 keys	LOCK-KLV	178930	1
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Blanking strip BS-...-WH

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

Internal partition ¹⁾

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
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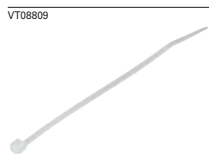
¹⁾ Nicht for Multimedia geeignet



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

Reinforcement template VSB-...-KLV

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

Industrial cable tie-wrap ITB









KLV-...	Continuously ribbed to the tip, colour natural, flame retardant UL94 V2	ITB1	083550	1000
		ITB2	085923	1000
		ITB3	088296	100










3D plaster compensation







KLV-...	3D plaster compensation as a set in a pouch	3D-KLV	178940	1
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Hollow-wall anchor

KLV-...	Hollow-wall anchor as a set in a pouch	HWS-KLV	178941	1
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Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
Nail straps				
vt22615 	KLV-... Nail straps as a set in a pouch	NL-KLV	178942	1
Rotary bolt lock				
vt23215 	KLV-... Rotary bolt lock white	DV-KLV	178943	1
Flange				
vt23515 	KLV-UP Spare flange without spirit level	FUP-KLV	178944	1
	KLV-HW...	FHW-KLV	178945	1
Hinge				
vt22915 	KLV-... Spare hinges 1 pair in a pouch	HP-KLV	178946	1
Cable holder				
vt23115 	KLV-... Cable holder 4 units in a pouch	KH-KLV	178947	1
Closing screws				
vt23015 	KLV-... Closing screws 4 units in a pouch	VS-KLV	178948	1
Wall pan				
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.)
Carrier rails and structure					
	KLV-...	Spare carrier rails incl. fixing screws	TS1-KLV	178957	1
			TS2-KLV	178958	1
			TS3-KLV	178959	1
			TS4-KLV	178960	1
Device cover					
	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
Add-on connector					
	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
Mounting plate - micro-perforated					
	KLV-36...	Mounting plate, micro-perforated, galvanised sheet steel, incl. fixing screws	MIP3-KLV	178917	1
	KLV-48...		MIP4-KLV	178918	1
Rounded head screw					
	MIP3-KLV MIP4-KLV	Rounded head screw M4x8 thread-forming	EPLHS-M4X8	144028	1/100
Doors					
	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
Doors with ventilation slots					
	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.)	
Door frames					
<div>vt19215</div> 	KLV-... 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
Device holder					
<div>vt21815</div> 	Multimedia Device holder for Multimedia Distribution Boxes, incl. fixing screws	GH-KLV	178969	1	
Single and double electricity socket EURO2					
<div>vt21915, vt22015</div> 	Multimedia Socket with EURO2 insert and plug-in technology up to 2.5 mm² for Multimedia Distribution Boxes, incl. fixing screws	S1-KLV	178970	1	
		S2-KLV	178971	1	
Holding bracket for sockets					
<div>vt22315</div> 	Multimedia Holding bracket for Multimedia Distribution Boxes, incl. fixing screws	HA-KLV	178972	1	
Data module					
<div>vt22215, vt22115</div> 	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	
Labels sheet					
<div>vt26115</div> 	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
DesignationArticle 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

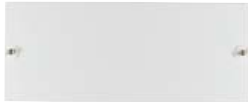
For MU per rows / Number of rows

Type
Designation

Article No.

Pack
(pcs.)**Accessories****Front panels blind white, BFZ-FP**

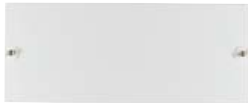
VT00205



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_vt09314



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

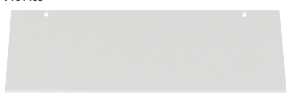
Version

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.)

Lock set for door

vt23315



Lock set for sheet steel door, keyed alike, incl. 2 keys
Profi-Line Rotary bolt lock (only for BF-O/U-../-E)

LOCK-KLV

178930

1

BFZ-LS-PLDH

110165

1

Earthing set for door, BFZ-DES

VT19305



BFZ-DES

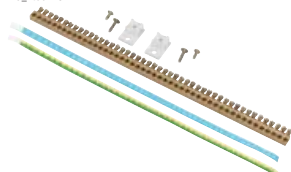
101665

1

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

- Max. 63 A

wa_vt80213

2x25 mm² + 9x16 mm²

BFZ-TS-KL11

293629

1

2x25 mm² + 13x16 mm²

BFZ-TS-KL15

293630

1

2x25 mm² + 27x16 mm²

BFZ-TS-KL29

293631

1

2x25 mm² + 43x16 mm²

BFZ-TS-KL45

293632

1

2x25 mm² + 58x16 mm²

BFZ-TS-KL60

293633

1

2x25 mm² + 74x16 mm²

BFZ-TS-KL76

293634

1

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

- Max. 63 A

2x (2x25 mm² + 27x16 mm²)

BFZ-TS-N/PE-KL29

113702

1

2x (2x25 mm² + 43x16 mm²)

BFZ-TS-N/PE-KL45

113703

1

2x (2x25 mm² + 58x16 mm²)

BFZ-TS-N/PE-KL60

113704

1

2x (2x25 mm² + 74x16 mm²)

BFZ-TS-N/PE-KL76

113705

1

Terminal support, KT

VT01705, VT01805



KT-3

KT-5

horizontal

KT-3

275445

1

vertical

KT-5

275447

1

Terminal blocks, KL

- Max. 63 A

vt28015

1x25 mm² + 3x16 mm²

KL-4

219723

1

1x25 mm² + 6x16 mm²

KL-7

219724

1

2x25 mm² + 9x16 mm²

KL-11

219725

1

2x25 mm² + 13x16 mm²

KL-15

219726

1

2x25 mm² + 23x16 mm²

KL-25

219727

1

2x25 mm² + 27x16 mm²

KL-29

275449

1

2x25 mm² + 43x16 mm²

KL-45

275450

1

2x25 mm² + 58x16 mm²

KL-60

275451

1

2x25 mm² + 74x16 mm²

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	
		Torque (Nm)		Torque (Nm)		Torque (Nm)
Rated current (A)	80		160		250	
Input terminals	1x 2.5-16 mm ²	1.5-3	1x 10-70 mm ²	5-6	1x 35-120 mm ²	19-21
Output terminals	4x 2.5-6 mm ²	0.8-1.5	6x 2.5-16 mm ²	1.5-3	2x 6-35 mm ²	3.5-7
	2x 2.5-16 mm ²	1.5-3			5x 1.5-16 mm ²	2-3
					4x 1.5-10 mm ²	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

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

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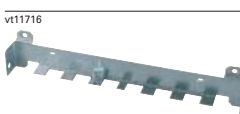
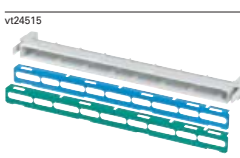
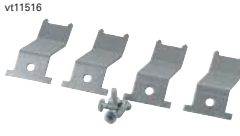

Additional Equipment / Spare Parts BF-O..., BF-U...

	Description	Type Designation	Article No.	Pack (pcs.)
	45 mm blanking strips, NBP			
	white, 1 m long	NBP-1000-W	101666	1
	gray, 1 m long	NBP-1000	275413	1

 	Mounting plate for inscription strip, LAB-BAR			
	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

 	Circuit diagram bag, LAB-BAG			
	Size DIN A4	LAB-BAG_A4	107913	1






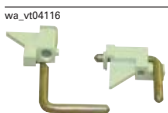


Description	Type Designation	Article No.	Pack (pcs.)
Lock set LOCK-KLV			
 <p>vt23315</p>	Lock standard keyed alike, incl. rosette, mounting material, 2 keys	LOCK-KLV	178930 1
Rotary bolt lock			
 <p>vt23215</p>	Rotary bolt lock white	DV-KLV	178943 1
Holder for terminal carrier / Empty terminal carrier			
<ul style="list-style-type: none"> For suitable terminals see chapter Additional Equipment /Spare Parts KLV-... 			
 <p>vt11616</p>	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
 <p>vt119114</p>	Empty terminal carrier suitable for up to 4x KSK-N and/or 4x KSK-PE	KSK-KLV	178905 1/10
 <p>vt11716</p>	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
 <p>vt24515</p>	Terminal carrier empty suitable for up to 27x screw-terminal points, incl. cover in blue and green	SK-KLV	178910 1
Hollow-wall set			
 <p>vt11516</p>	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
Cable holder			
 <p>vt11416</p>	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-...

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

	Description	Type Designation	Article No.	Pack (pcs.)
Combined plug-type terminal IP2X				
	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
Plastic cover complete with 4 pcs. quick-release fasteners				
	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
Rail 35 x 7.5 mm width 1 (250 mm long)				
	DIN rail for modular installation devices	ZSD-HTS	226549	1
Quick lock for plastic cover				
	Mounting spindle	ZSD-SPN	226543	1
Cover plate holder / mounting tower for plastic cover				
	Hood adapter	ZSD-AD/H	226544	1
Spare parts door / lock				
	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

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**Side-by-side connector set**

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

- Mounting on the side of the enclosure

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

14 cable Ø 11 mm, 8 cable Ø 15 mm, 2 cable Ø 28 mm	ZSD-2K/FLA	272166	1
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vt13805

**Mounting rail for wall mounting**

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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