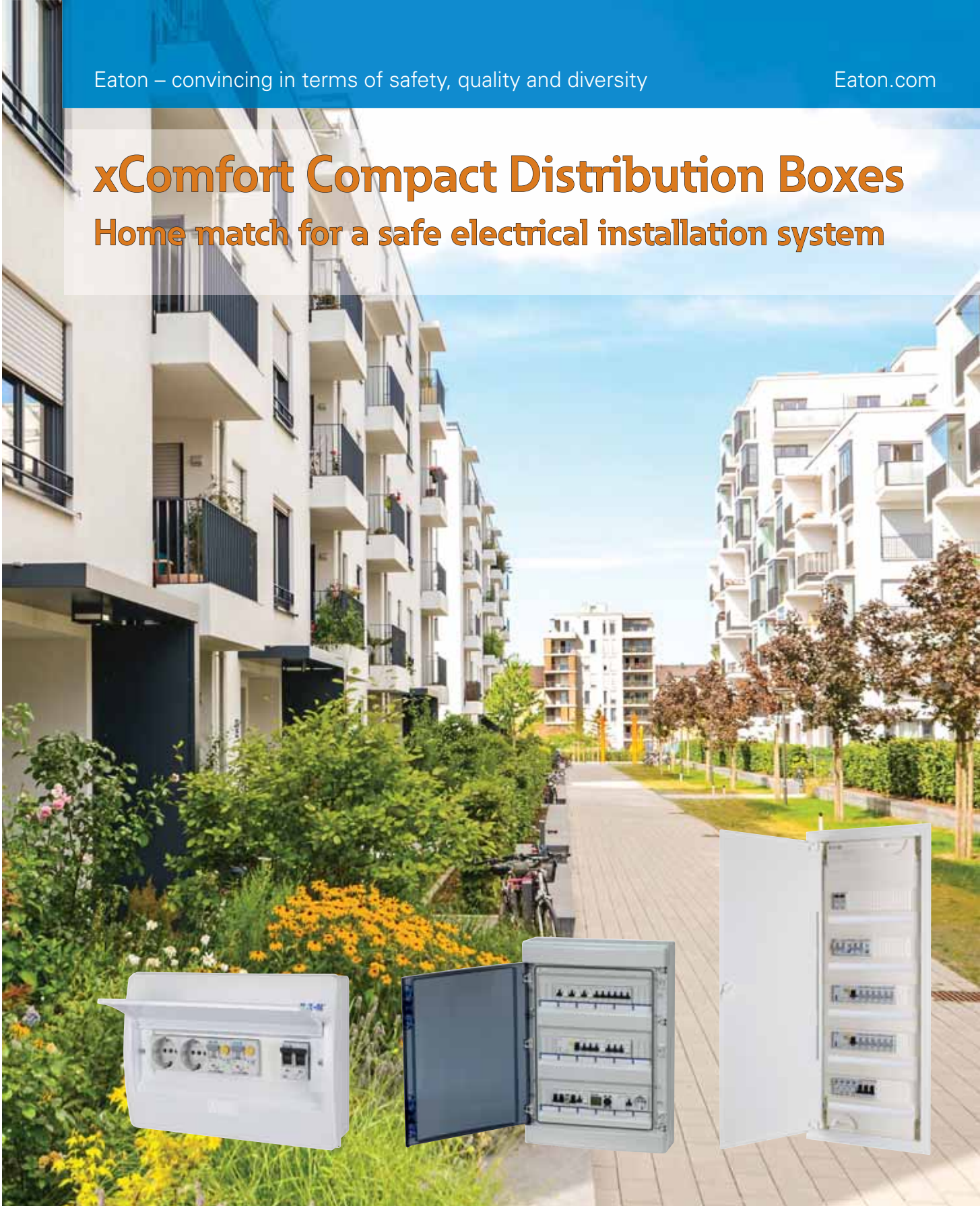


xComfort Compact Distribution Boxes

Home match for a safe electrical installation system



Assortment catalogue



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



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At Eaton, we believe that power is a fundamental part of just about everything people do. That's why we're dedicated to helping our customers find new ways to manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. To improve people's lives, the communities where we live and work, and the planet our future generations depend upon. Because this is what really matters. And we're here to make sure it works.

To learn more go to: [Eaton.com/whatmatters](https://www.eaton.com/whatmatters)



Powering Business Worldwide

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Eaton Online Catalog – find product details quickly and efficiently!

You can find comprehensive up-to-date product information at <https://ecat.eaton.com/>

Lookup

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

Graphical navigation

Graphical representation of the fields of application and product groups.

Selection aids

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

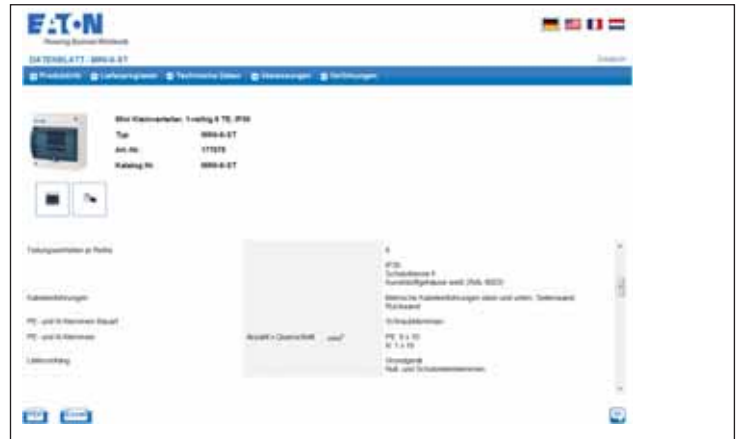
Data sheets

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

Parts lists

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

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



HTML data sheet; can be saved as PDF file.

Stückliste

Pos.	Art.	Foto	Art.-Nr.	Typ	Bezeichnung	VPE	Lieferzust.	Kommentar
1			174221	KA-54-S1	KA Verteiler Professional IP65	1	1	Projekt Taktgepl.
2			17790	MKRO-4	Mikro-Klemmterialer, 1-reihig 4 TE, IP30	1	1	Projekt Termin
3			177975	MKRO-6-ST	Mikro-Klemmterialer, 1-reihig 6 TE, IP30	1	1	Projekt Bauzeichnung
4			103103	EF-01-372-C	Oberputz Flachenteiler mit Schlieren komplett, weiß, 24TE pro Reihe, 3 Reihen, Ausführung C	1	1	Projekt-Halter-Wider
5			174652	EWK-85051	Wandgehäuse EWK mit Normenbaueinheiten (ZTE, IP42, IP20, Schutzklasse 2, RAL 9010, HxBxT=500x550x160mm)	1	1	Projekt-Marktschalt

Alle anzeigen

Position drucken Zeichnungen übernehmen Neue Positionen hinzufügen

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



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
- KLV flush-mounted/hollow-wall Hybrid Distribution Boards, IP30 Page 38
- KLV flush-mounted/hollow-wall Multimedia Distribution Boards, IP30 Page 44
- KLV flush-mounted/hollow-wall Projects - form of delivery, IP30 Page 51
- IKA surface-mounted Compact Distribution Boxes, IP65 Page 56
- IKA-C surface-mounted Compact Distribution Boxes, IP65 Page 67

Flat Distribution Boards

- BF-U-2S flush-mounted/hollow-wall Flat Distribution Boards, IP30 Page 78
- BF-U flush-mounted Flat Distribution Boards, IP30 Page 84
- BF-O surface-mounted Flat Distribution Boards, IP30 Page 96

Field Distribution Boards

- EWK Surface-mounted Field Distribution Boards, IP31 Page 108

Additional equipment

- Additional Equipment / Spare Parts Page 116

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 T
MINI	-	Module units		Version Version
Compact Distribution Boxes		MU		Indoor Door
		2		S = Screw-type terminal T = transparent
		3		„ _ “ = without terminal „ _ “ = without door
		4		
		5		
		6		

System Overview Micro & Mini

Compact Distribution Boxes Version	Protection class II (totally insulated)	Complies with European Standard EN 62208	IP30	RAL 9003	N/PE terminals	Window
Micro	■	■ 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
-------	--	----	---------	--------	--------

VT78714



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



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

Mini Compact Distribution Boxes

IP30 or IP20 (IK05)

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

Mini

VT77714, VT78914



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

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, VT77914



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

VT76914, VT78114



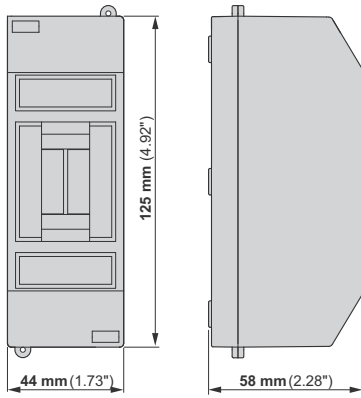
1 / 6	with N/PE terminals 6x 10 mm ² + 1x 16 mm ²	with	MINI-6-ST	177075	1 / 9
	without N/PE terminals	without	MINI-6	177070	1 / 9

Technical Data

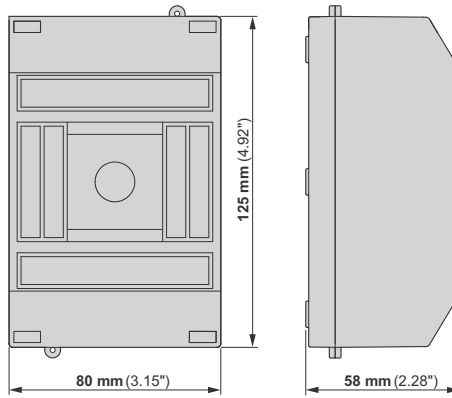
		Micro & Mini
Electrical		
Version according to		IEC/EN 62208
Degree of protection		IP30 (IK05); Mini without window IP20; according to EN 60529
Protection class		II, totally insulated
Rated voltage		400 V AC
Max. power loss admitted for all devices installed in the distribution box at a difference in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

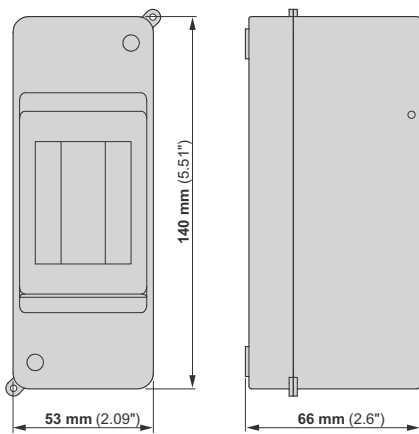
MICRO-2



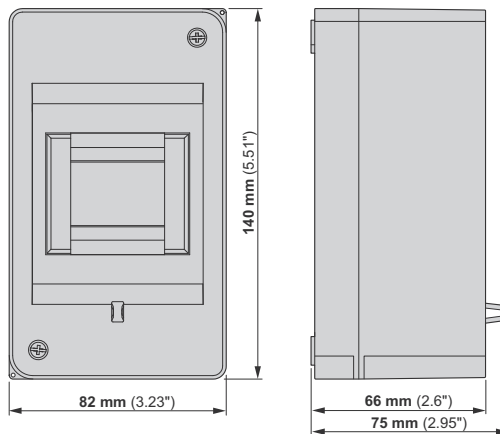
MICRO-4



MINI-2



MINI-3



1.8

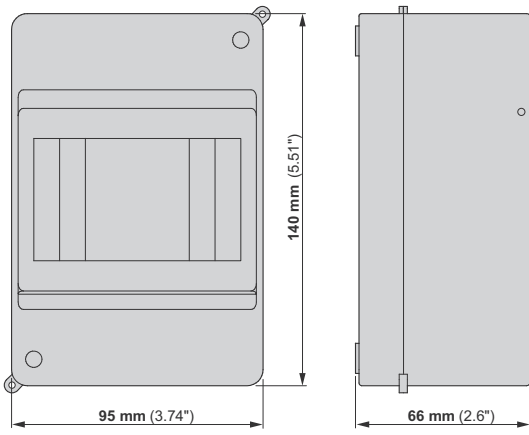
Compact Distribution Boxes

xComfort

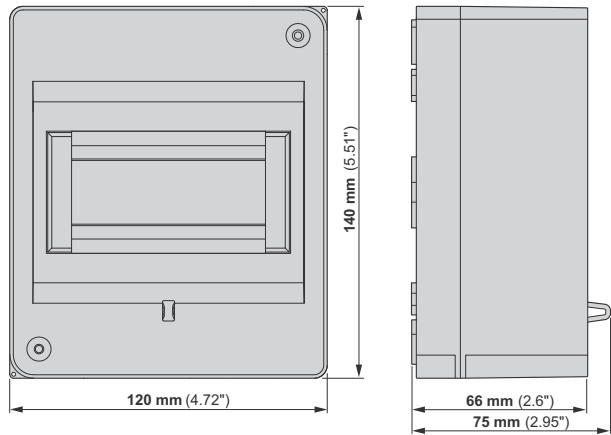
Micro & Mini Compact Distribution Boxes, IP30

Dimensions (mm)

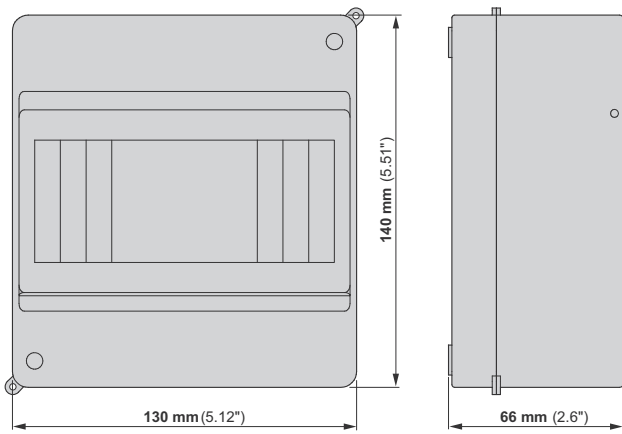
MINI-4



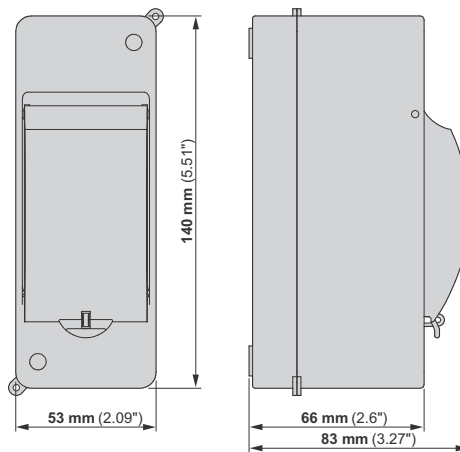
MINI-5



MINI-6

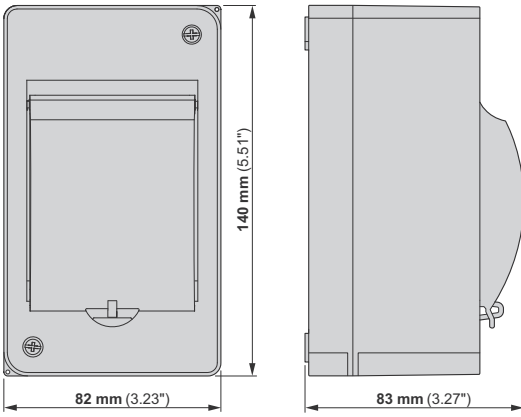


MINI-2-T

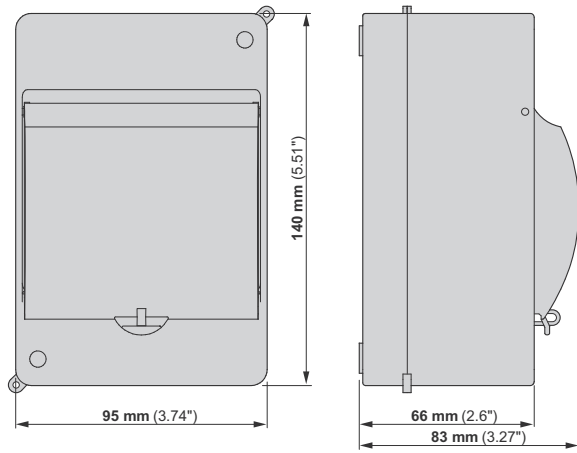


Dimensions (mm)

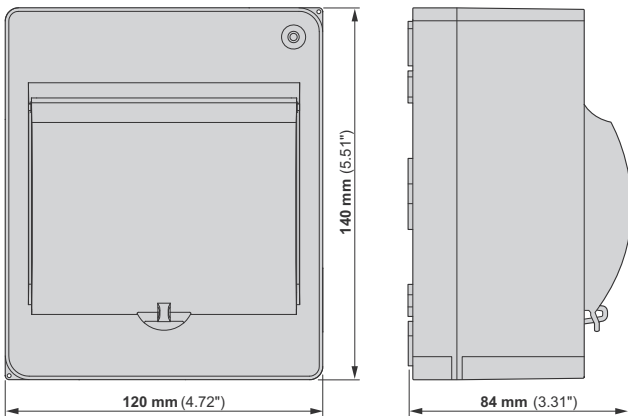
MINI-3-T



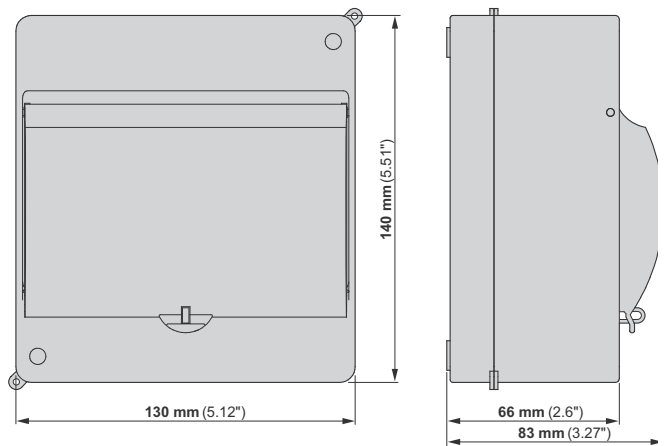
MINI-4-T



MINI-5-ST



MINI-6-ST



v152815



v151615



v148915



v148215



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	-	O	-	1	/	12	-TW	-ECO
Insulation material Compact Distribution Boxes	-	Construction	-	Number of rows	/	Module units MU	Version of window	Version
		O = 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.)
-----------	-------------	--------	------------------	-------------	-------------

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					
vt50115, vt49615 	1 / 18 with N/PE screw-terminal 18x 10 mm ² each	transparent	BC-O-1/18-ECO	280348	1
		RAL9003	BC-O-1/18-TW-ECO	281692	1
vt51015, vt50915 	2 / 36 with N/PE screw-terminal 2x (18 x 10 mm ²) each	transparent	BC-O-2/36-ECO	280350	1
		RAL9003	BC-O-2/36-TW-ECO	281694	1
vt47615, vt47815 	3 / 54 with N/PE screw-terminal 3x (18 x 10 mm ²) each	transparent	BC-O-3/54-ECO	280351	1
		RAL9003	BC-O-3/54-TW-ECO	281695	1
Mini - Flush-mounted					
vt52815, vt53115 	1 / 5 with N/PE screw-terminal 4x 10 mm ² each	transparent	BC-U-1/5-ECO	280352	1
		RAL9003	BC-U-1/5-TW-ECO	281696	1
vt52315, vt52015 	1 / 8 with N/PE screw-terminal 8x 10 mm ² each	transparent	BC-U-1/8-ECO	280353	1
		RAL9003	BC-U-1/8-TW-ECO	281697	1





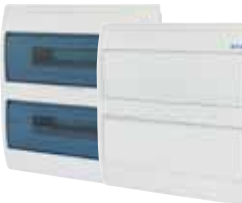
1.14

Compact Distribution Boxes

xComfort

ECO Compact Distribution Boxes IP40



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

1.16

Compact Distribution Boxes

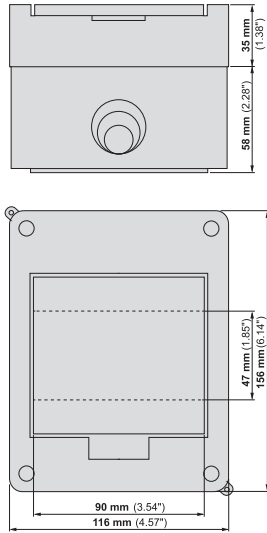
xComfort

ECO Compact Distribution Boxes IP40

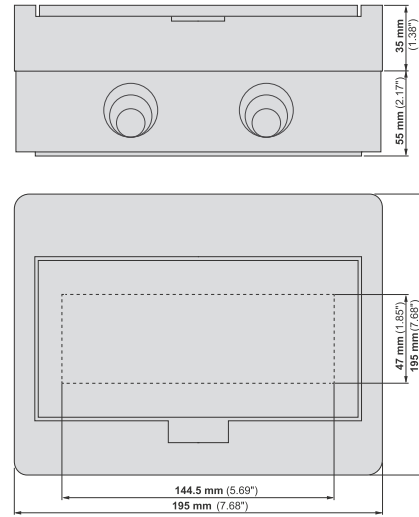
Dimensions (mm)

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

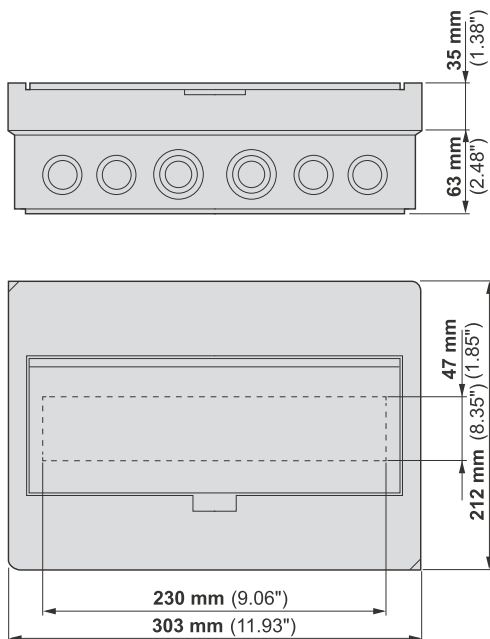
BC-O-1/5....



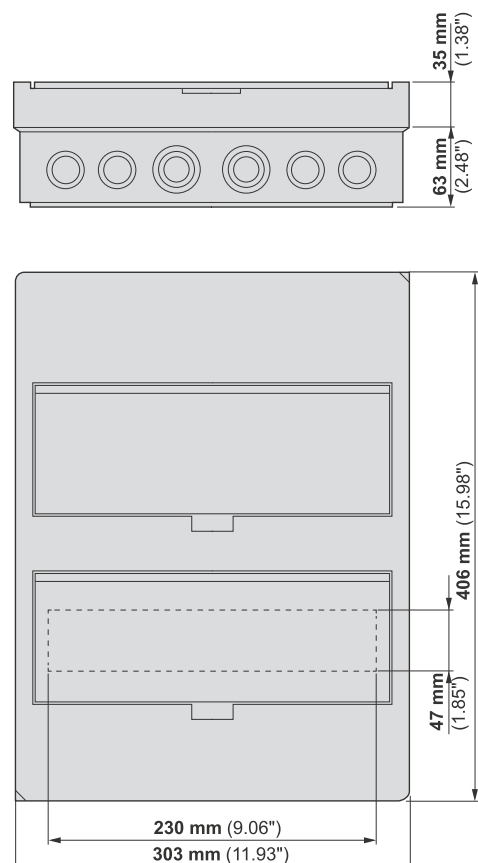
BC-O-1/8....



BC-O-1/12....



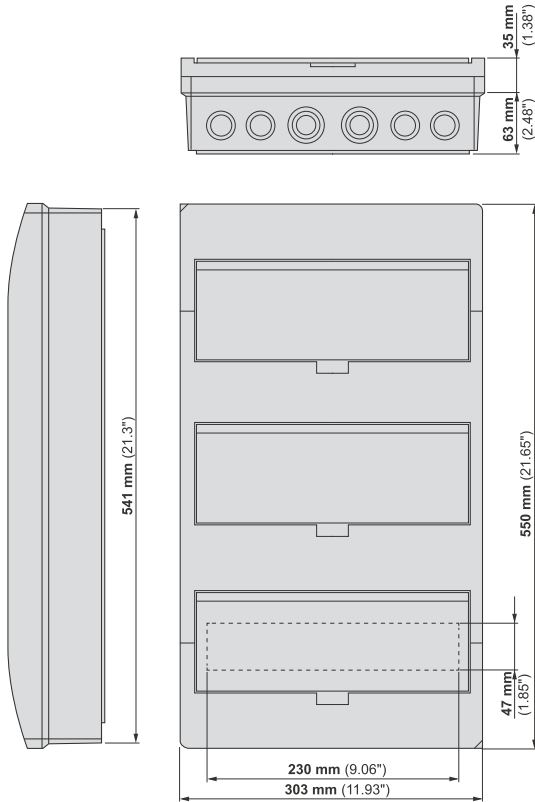
BC-O-2/24....



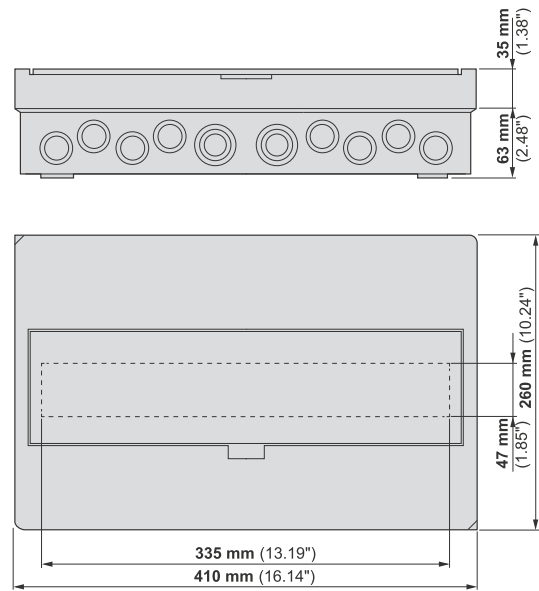
Dimensions (mm)

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

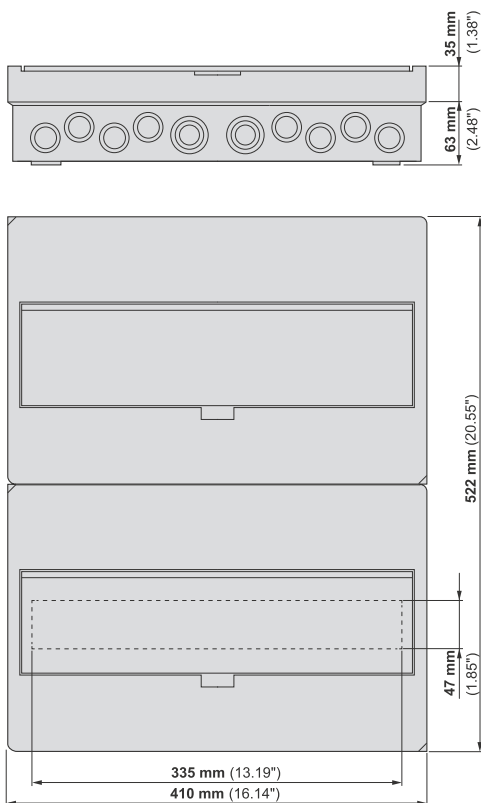
BC-O-3/36....



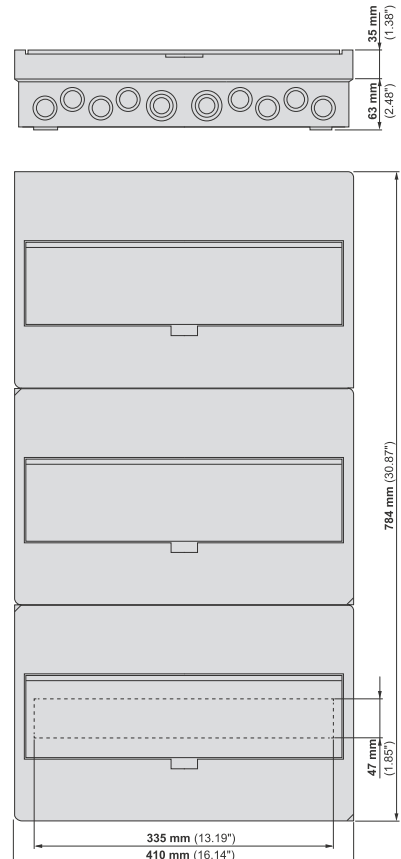
BC-O-1/18....



BC-O-2/36....



BC-O-3/54....



1.18

Compact Distribution Boxes

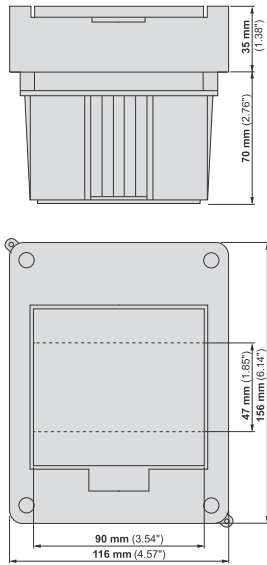
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ECO Compact Distribution Boxes IP40

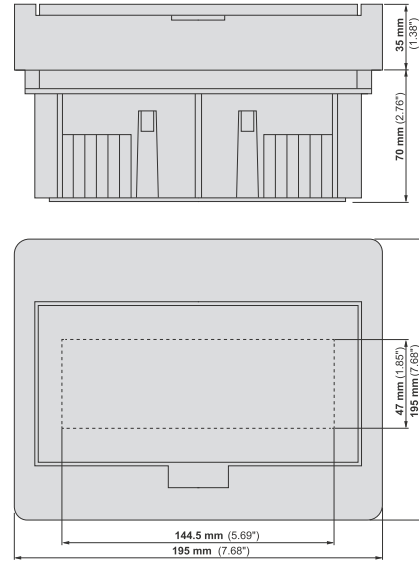
Dimensions (mm)

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

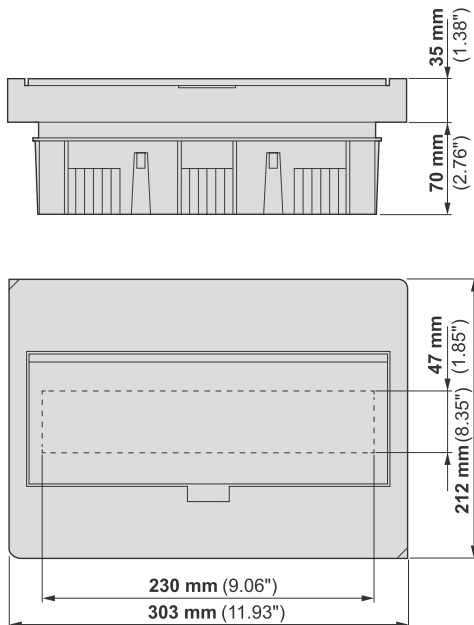
BC-U-1/5....



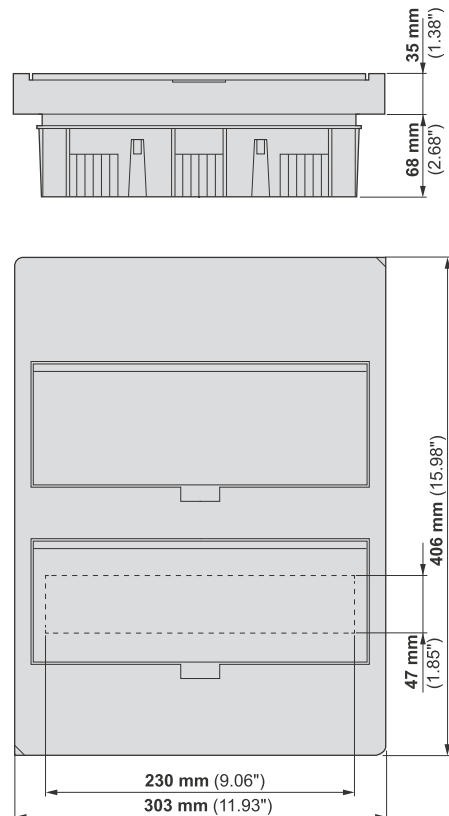
BC-U-1/8....



BC-U-1/12....



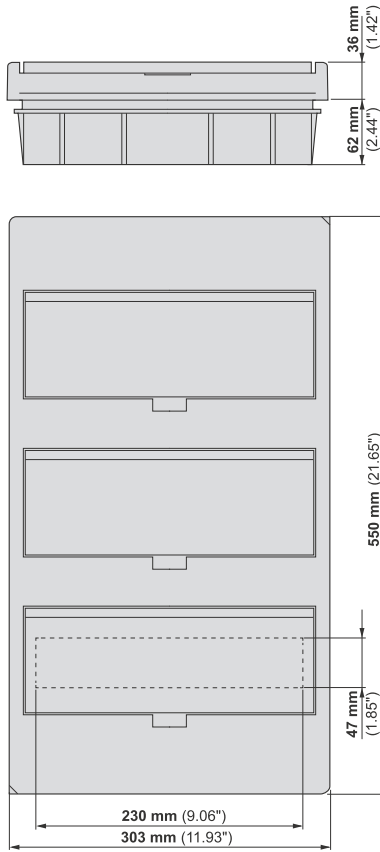
BC-U-2/24....



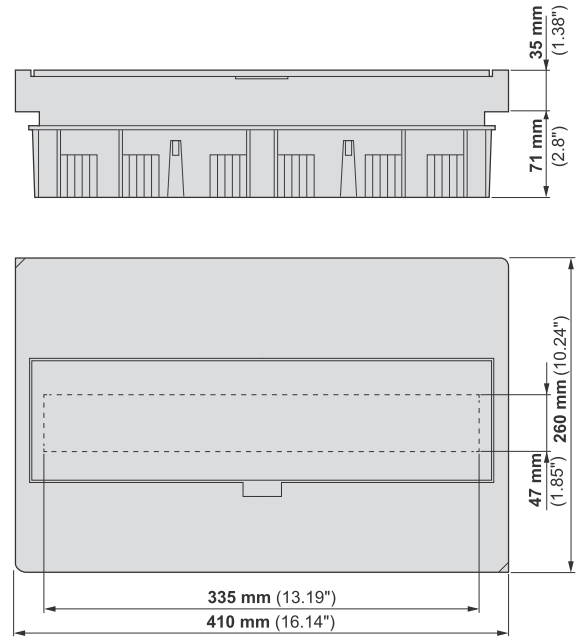
Dimensions (mm)

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

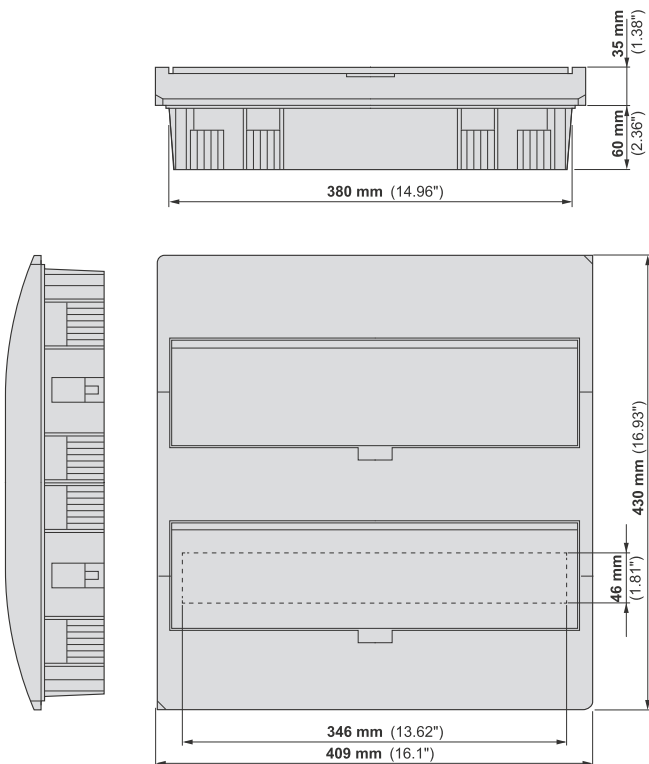
BC-U-3/36....



BC-U-1/18....



BC-U-2/36....



vt15715



vt15315



vt14915



vt14515



Description

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

- 1- to 5-rows, 12 module units and 2 spare MUs in each row
- Multimedia variants
- Hybrid 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-marked cable entries on all sides
- Degree of protection IP30
- Door and cover frame, sheet steel RAL 9016
- Low halogen level

vt12420_J























KLV flush-mounted/hollow-wall Compact Distribution Boards

Type Key

KLV	- 60	UP	P	-W	-HY36	-F
Compact Distribution Board with large wiring area	- Module units MU	Type of installation of the wall pan	Design of inside equipment	Design of the door	Hybrid functional unit	Design of door and frame
	12 = 1-row	UP = Flush	P = Plug-type terminal	"_" = standard sheet steel	"_" = without	F = flat
	24 = 2-rows	HW= Hollow-wall	S = Screw-type terminal	W = WiFi door insert	HY24 = 24 MU	SF = super-flat
	36 = 3-rows		M = Media		HY36 = 36 MU	
	48 = 4-rows					
	60 = 5-rows					

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⁾
Hybrid	 ⁴⁾			 ³⁾	 ²⁾









- ¹⁾ To obtain 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
- ⁴⁾ To obtain protection class II in hybrid distribution boards, all devices installed must be of the fully insulated type

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
5 / 60+10	-	-	(N) 35x 4 mm ² (PE) 28x 4 mm ²	(N) 5x 25 mm ² (PE) 4x 25 mm ²	(N) 29x 0.75 – 16 mm ² (PE) 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.
	Energy-Multimedia applications according IEC/EN 60670-24 (PD).

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, 4 and 5 row distribution boards

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

	vt13020_I	vt12820_I	vt12920_I	vt13120_I
				
	KLV-...-UPM-...	KLV-...-HWM-...	KLV-...-UPM-W...	KLV-...-HWM-W...
Wall pan - flush-mounted	■	–	■	–
Wall pan - hollow-wall	–	■	–	■
Spirit level	■	■	■	■
Front plate	–	–	–	–
Flange slide	■	■	■	■
Cable holder	■	■	■	■
Nail straps	■	–	■	–
Hollow-wall anchor	–	■	–	■
DIN rail (1x)	■	■	■	■
Mounting plate perforated	■	■	■	■
2x 1-fold electricity socket (EURO2)	■	■	■	■
3D plaster compensation	■	■	■	■
Frame flat/super-flat	■	■	■	■
Door, sheet steel ventilated	■	■	–	–
Door, sheet steel ventilated, WiFi	–	–	■	■
Connection brackets	■	■	■	■

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

	vt14720_I	vt14420_I	vt14020_I	vt14320_I
				
	KLV-...UPP-HY...	KLV-...HWP-HY...	KLV-...UPS-HY...	KLV-...HWS-HY...
Wall pan - flush-mounted	■	—	■	—
Wall pan - hollow-wall	—	■	—	■
Spirit level	■	■	■	■
Cable holder	■	■	■	■
Front plate	■	■	■	■
Flange slide	■	■	■	■
Nail straps	■	—	■	—
Hollow-wall anchor	—	■	—	■
DIN rails with crossbar	■	■	■	■
N/PE combined plug-type terminal	■	■	—	—
N/PE screw-type terminal	—	—	■	■
N-FI terminal (FI = RCD)	■	■	■	■
3D plaster compensation	■	■	■	■
Frame flat/super-flat	■	■	■	■
Mounting plate perforated	■	■	■	■
1-fold electricity socket (EURO2)	■	■	■	■
Door, sheet steel ventilated, WiFi ¹⁾	■	■	■	■
Power circuit sticker	■	■	■	■

¹⁾ Note: KLV-60...-HY...-F(SF) with door made of sheet steel, ventilated;
 KLV-60...-W-HY...-F(SF) with door made of sheet steel, ventilated plus special WiFi door insert



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

IP30, Flush-mounted, combined plug-type terminal

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

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

	1 / 12+2	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm ² each and 14x 0.5-4 mm ² each	flat	KLV-12UPP-F	178798	1/90
			super flat	KLV-12UPP-SF	178799	1/90
	2 / 24+4	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm ² each and 14x 0.5-4 mm ² each 1x N-FI single terminal with 1x 2.5-25 mm ² and 7x 0.5-4 mm ²	flat	KLV-24UPP-F	178800	1/60
			super flat	KLV-24UPP-SF	178801	1/60
	3 / 36+6	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm ² each and 28x 0.5-4 mm ² each with separate N-FI terminal block	flat	KLV-36UPP-F	178802	1/60
			super flat	KLV-36UPP-SF	178803	1/60
	4 / 48+8	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm ² each and 28x 0.5-4 mm ² each with separate N-FI terminal block	flat	KLV-48UPP-F	178804	1/45
			super flat	KLV-48UPP-SF	178805	1/45
	5 / 60+10	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm ² each and 28x 0.5-4 mm ² each plus separate N-FI terminal block 1x 2.5-25 mm ² and 7x 0.5-4 mm ²	flat	KLV-60UPP-F	302410	1/30
			super flat	KLV-60UPP-SF	302411	1/30

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



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

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

v113315



1 / 12+2	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm ² each and 14x 0.5-4 mm ² each	flat	KLV-12HWP-F	178806	1/90
		super flat	KLV-12HWP-SF	178807	1/90

v112915



2 / 24+4	with 1x N/PE combined plug-type terminal, 2x 2.5-25 mm ² each and 14x 0.5-4 mm ² each	flat	KLV-24HWP-F	178808	1/60
	1x N-FI single terminal with 1x 2.5-25 mm ² and 7x 0.5-4 mm ²	super flat	KLV-24HWP-SF	178809	1/60

v112515



3 / 36+6	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm ² each and 28x 0.5-4 mm ² each	flat	KLV-36HWP-F	178810	1/60
	with separate N-FI terminal block	super flat	KLV-36HWP-SF	178811	1/60

v112115



4 / 48+8	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm ² each and 28x 0.5-4 mm ² each	flat	KLV-48HWP-F	178812	1/45
	with separate N-FI terminal block	super flat	KLV-48HWP-SF	178813	1/45

v112420_J



5 / 60+10	with 1x N/PE combined plug-type terminal, 4x 2.5-25 mm ² each and 28x 0.5-4 mm ² each	flat	KLV-60HWP-F	302412	1/30
	plus separate N-FI terminal block 1x 2.5-25 mm ² and 7x 0.5-4 mm ²	super flat	KLV-60HWP-SF	302413	1/30








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-marked 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
 vt12620_J	5 / 60+10	with 2x N/PE screw-type terminal 25x 0.75 - 16 mm ² (N) and 25x 0.75 - 16 mm ² (PE) plus separate N-FI terminal with 2x 0.75-16 mm ² and 2x 0.75-25 mm ²	flat	KLV-60UPS-F	302414	1/30
			super flat	KLV-60UPS-SF	302415	1/30

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



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-marked holes and snap-on fixing
- Door hinges are easy to inverse, hinges for manual handling
- Flat rotary closure of the door, can be replaced by one of the lock versions
- Hollow-wall anchor for fixing in a hollow wall

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

vt13415



1 / 12+2	with 1x N/PE screw-type terminal 13x 0.75-16 mm 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

vt12720_I



5 / 60+10	with 2x N/PE screw-type terminal 25x 0.75 - 16 mm ² (N) and 25x 0.75 - 16 mm ² (PE) plus separate N-FI terminal with 2x 0.75-16 mm ² and 2x 0.75-25 mm ²	flat	KLV-60HWS-F	302416	1/30
		super flat	KLV-60HWS-SF	302417	1/30

Technical Data

		KLV Energy				
Electrical						
Version according to	IEC/EN 62208; IEC/EN 60670-24 (PD)					
Degree of protection	IP30 (IK05) according to EN 60529					
Protection class	II, totally insulated					
Rated voltage	400 V AC					
Insulation voltage	1000 V AC					
Acc. IEC/EN 60670-24 and IEC/EN 62208 max. power loss Pde 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					
5/60+10	58 W					
Acc. DIN-EN 60670-24, Tab. DIN 43871 max. power loss Pzul admitted for all devices installed in the distribution board, at a difference in temperature of 10 to 30 K						
	10 K	15 K	20 K	25 K	30 K	
1/12+2	4 W	7 W	10 W	13 W	16 W	
2/24+4	5 W	8 W	11.5 W	15 W	19 W	
3/36+6	6 W	10 W	14.5 W	19 W	24 W	
4/48+8	7 W	11.5 W	16.5 W	21.5 W	27 W	
5/60+10	7 W	11.5 W	16.5 W	21.5 W	27 W	
Mechanical						
Material						
Enclosure	Polystyrene					
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, max. 6 kg per row					
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					
Approvals						
OVE	1 to 4-row (in preparation for 5-row)					
VDE	1 to 4-row (in preparation for 5-row)					
Metrical or pre-punched holes prepared for knock-out						
1/12+2	Top/bottom: Pre-marked Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each					
2/24+4	Top/bottom: Pre-marked Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each					
3/36+6	Top/bottom: Pre-marked Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each					
4/48+8	Top/bottom: Pre-marked Rear panel: 10x Ø 28 mm Side panel: right and left 2x Ø 28 mm each					
5/60+10	Top/bottom: Pre-marked Rear panel: 20x Ø 28 mm Side panel: left and right 6x Ø 28 mm each					

Technical Data - Terminals

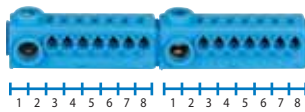
KSK-N, KSK-PE, configuration examples

v25115



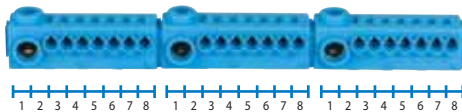
1x KSK-N (PE)

v25215



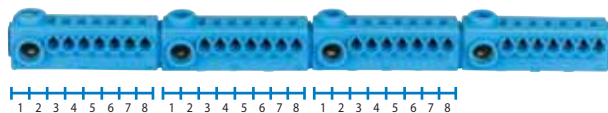
2x KSK-N (PE)

v25315



3x KSK-N (PE)

v25415



4x KSK-N (PE)

v119114



KSK-KLV / KSH-H-KLV

Cross sections of connections and other important information

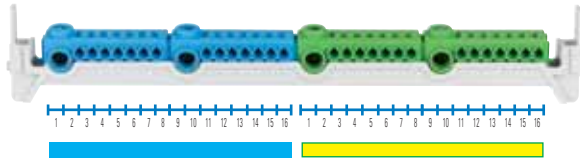
- Per block 1x screw-type connection for 2.5-25 mm² (single-wired/multiwired) or 2.5-16 mm² (fine-wired with professionally pressed wire end sleeve).
- Per block 7x plug-type connection for 0.5-4 mm² (single-wired/multiwired or fine-wired with professionally pressed wire end sleeve).
- The tightening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

- 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.

Technical Data - Terminals

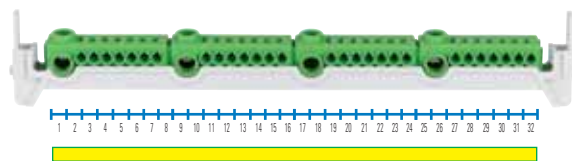
KSK... included in the scope of delivery of the distribution board KLV...UPP (HWP)

vt24915



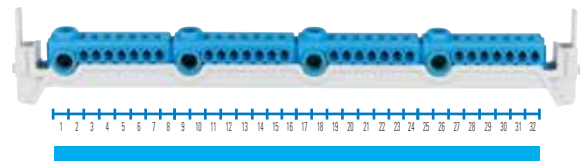
KSK-H-2N/2PE-KLV

vt25015



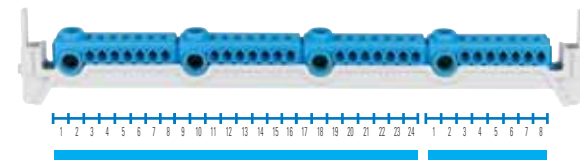
KSK-H-4PE-KLV

vt24815



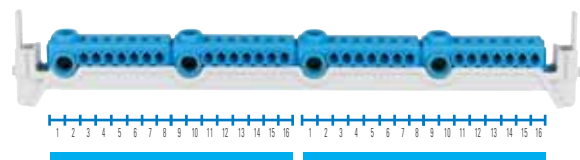
KSK-H-4N-KLV

vt24815



KSK-H-3N/1N-KLV

vt24815



KSK-H-2N/2N-KLV

Cross sections of connections and other important information

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

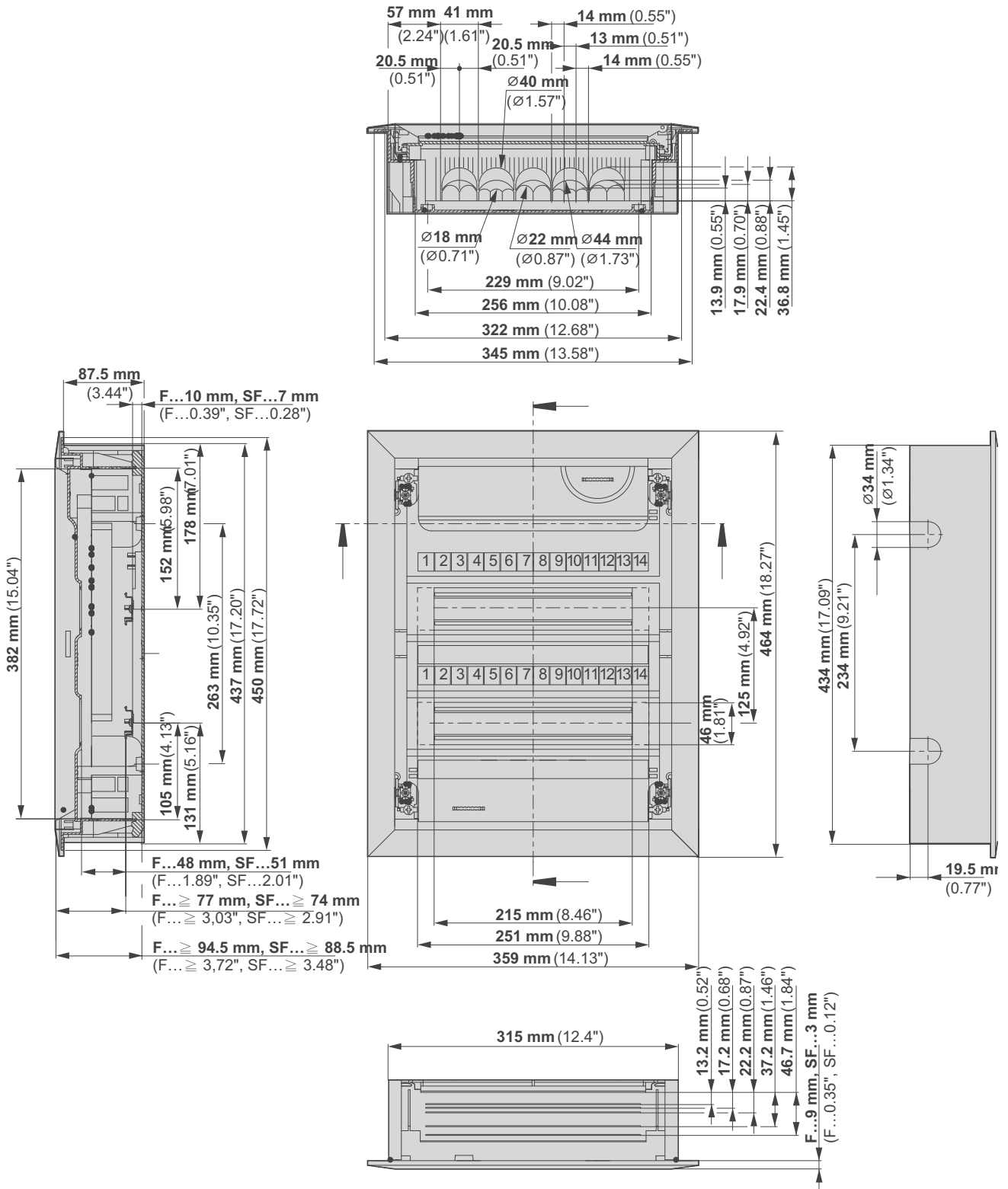
Note:

For KLV Energy versions KLV-12...; KLV-24...; KLV-36... and KLV-48... at the bottom side of the wall pan, please use flat version of the KSK terminal like i.e. KSK-2N/2N..., which need to be ordered separately as an accessory!

- 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-24...



1.34

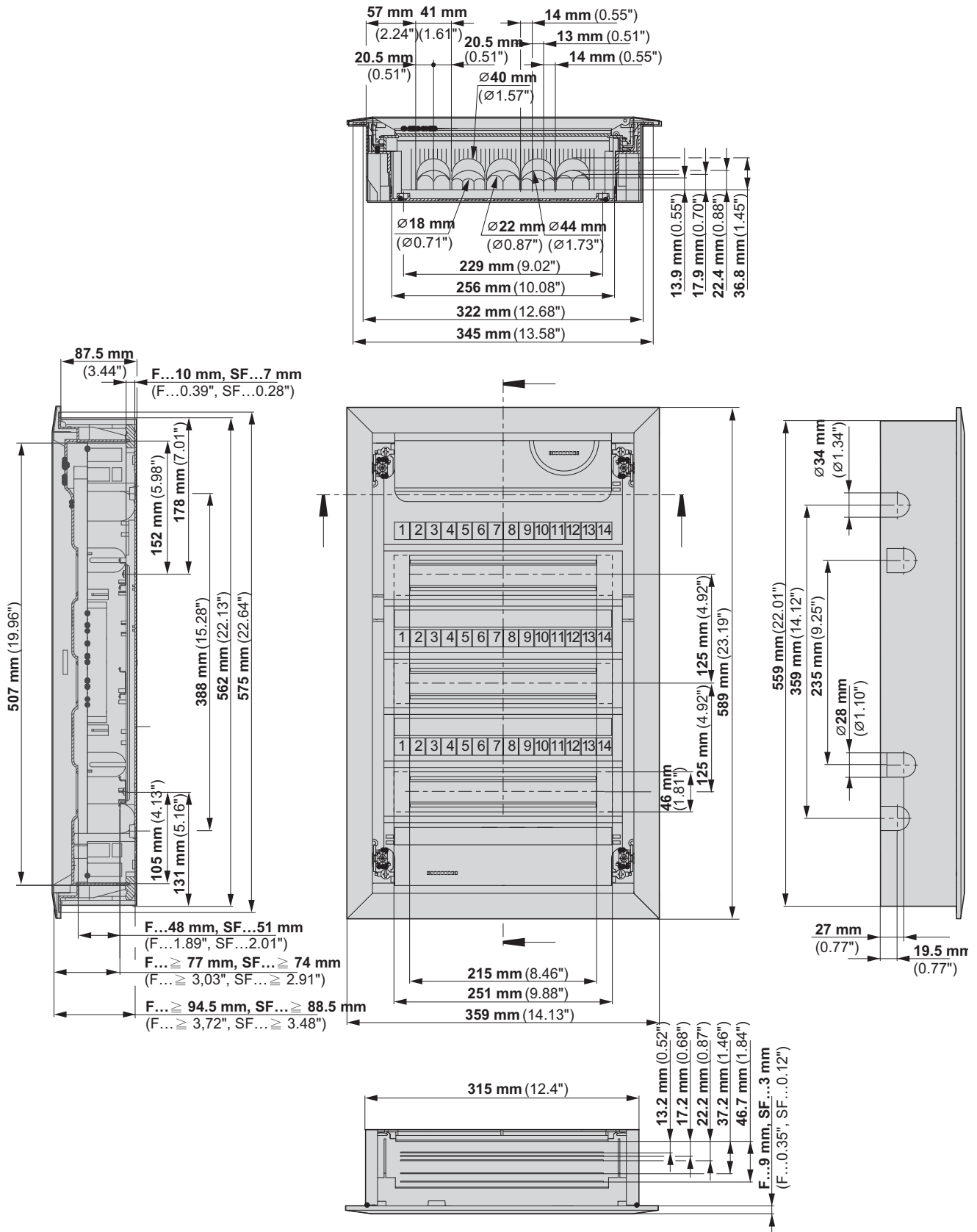
Compact Distribution Boxes

xComfort

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

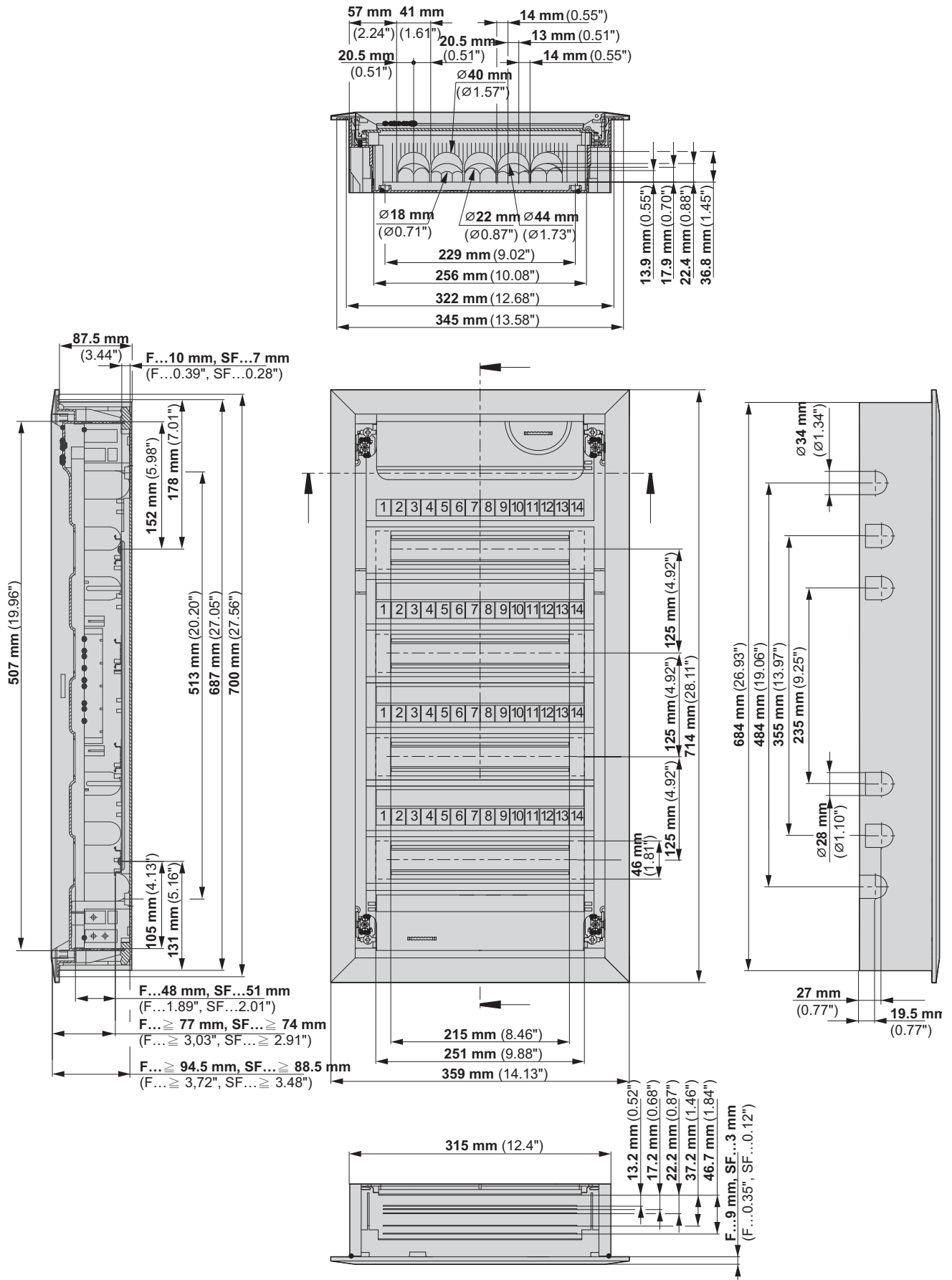
Dimensions (mm)

KLV-36...

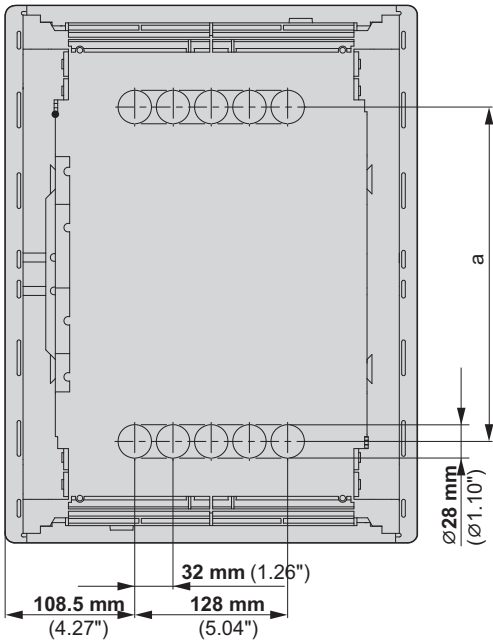


Dimensions (mm)

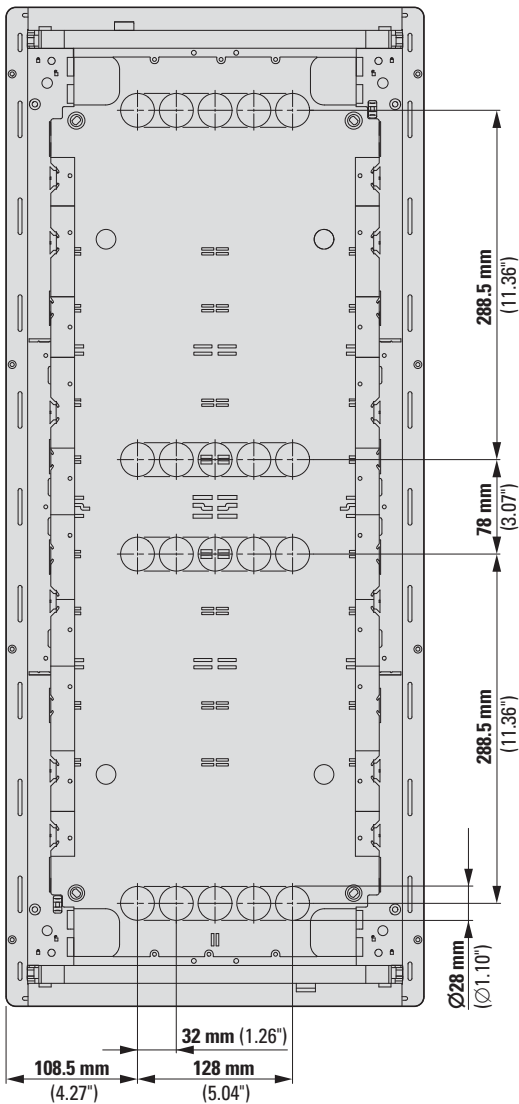
KLV-48...



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
KLV-60...	655	25.79



v113220_I



v114520_I



Description

KLV-...HY24... and KLV-...HY36...

- 5-rows, 24 or 36 module units
- Hollow-wall and flush-mounted versions
- Versions with/without WiFi door
- 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-marked cable entries on all sides
- Degree of protection IP30
- Door and cover frame, sheet steel RAL 9016
- Micro-perforated mounting plate
- Cable holders
- Device holder
- One 1-fold electricity socket
- IEC/EN 60670-24 (PD) und EN 62208

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



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

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

- 5-row wall pan
- According to IEC/EN 60670-24 (PD) and IEC/EN 62208, i.e. released 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 (flush-mount) and 850 °C (hollow-wall), 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)
- Door with ventilation louvers, optionally with WiFi door insert
- Stable device cover made of plastic, with cut-outs for DIN switchgear and protective devices, 12+2 MU per row, 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, device holder for routers
- 1x 1-fold electricity socket incl. EURO2 adapter with plug-type terminal up to 2.5 mm²
- Microperforated mounting plate for telecommunication devices of protection class II
- Suitable for equipment of up to 80 mm max. depth
- Cable guidance slide with snap-on fixing
- Doors are easy to inverse, hinges for manual handling, flat rotary closure of the door, can be replaced by lock version
- Nail straps for fixing on the wall (flush-mounting only), Hollow-wall anchor for fixing in a hollow wall (hollow-wall mounting only)
- Protection class II when using insulated devices on the mounting plate

Flush-mounting UPP HY (plug-type terminal KSK)

vt13220_I



2 / 24+4	with 1x N/PE combined plugtype terminal, 2x 2.5 - 25 mm ² each and 14x 0.5 - 4 mm ² each and 1x N-FI terminal with 1x 2.5 - 25 mm ² and 7x 0.5 - 4 mm ²	flat	KLV-60UPP-HY24-F	302426	1/30
		super flat	KLV-60UPP-HY24-SF	302427	1/30
		WiFi, flat	KLV-60UPP-W-HY24-F	302445	1/30
		WiFi, super flat	KLV-60UPP-W-HY24-SF	302446	1/30

vt14620_I



3 / 36+6	with 1x N/PE combined plugtype terminal, 4x 2.5 - 25 mm ² and 28x 0.5 - 4 mm ² each with separated N-FI-terminal	flat	KLV-60UPP-HY36-F	302437	1/30
		super flat	KLV-60UPP-HY36-SF	302438	1/30
		WiFi, flat	KLV-60UPP-W-HY36-F	302454	1/30
		WiFi, super flat	KLV-60UPP-W-HY36-SF	302455	1/30

Hollow-wall mounting HWP HY (plug-type terminal KSK)

vt13420_I



2 / 24+4	with 1x N/PE combined plugtype terminal, 2x 2.5 - 25 mm ² each and 14x 0.5 - 4 mm ² each and 1x N-FI terminal with 1x 2.5 - 25 mm ² and 7x 0.5 - 4 mm ²	flat	KLV-60HWP-HY24-F	302428	1/30
		super flat	KLV-60HWP-HY24-SF	302429	1/30
		WiFi, flat	KLV-60HWP-W-HY24-F	302447	1/30
		WiFi, super flat	KLV-60HWP-W-HY24-SF	302448	1/30

vt14520_I



3 / 36+6	with 1x N/PE combined plugtype terminal, 4x 2.5 - 25 mm ² and 28x 0.5 - 4 mm ² each with separated N-FI-terminal	flat	KLV-60HWP-HY36-F	302439	1/30
		super flat	KLV-60HWP-HY36-SF	302440	1/30
		WiFi, flat	KLV-60HWP-W-HY36-F	302456	1/30
		WiFi, super flat	KLV-60HWP-W-HY36-SF	302457	1/30



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

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

- 5-row wall pan
- According to IEC/EN 60670-24 (PD) and IEC/EN 62208, i.e. released 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 5-row version, additional N-FI terminals of the accessories range can be added
- Self-extinguishing plastic, resistant to abnormal heat and fire up to 650 °C (flush-mount) and 850 °C (hollow-wall), 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)
- Door with ventilation louvers, optionally with WiFi door insert
- Stable device cover made of plastic, with cut-outs for DIN switchgear and protective devices, 12+2 MU per row, 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, device holder for routers
- 1x 1-fold electricity socket incl. EURO2 adapter with plug-type terminal up to 2.5 mm²
- Microperforated mounting plate for telecommunication devices of protection class II
- Suitable for equipment of up to 80 mm max. depth
- Cable guidance slide with snap-on fixing
- Door is easy to inverse, hinges for manual handling, flat rotary closure of the door, can be replaced by lock version
- Nail straps for fixing on the wall (flush-mounting only), Hollow-wall anchor for fixing in a hollow wall (hollow-wall mounting only)
- Protection class II when using insulated devices on the mounting plate

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

vt13820_I



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 2x 0.75-16 mm ² and 2x 0.75-25 mm ²	flat	KLV-60UPS-HY24-F	302430	1/30
		super flat	KLV-60UPS-HY24-SF	302431	1/30
		WiFi, flat	KLV-60UPS-W-HY24-F	302449	1/30
		WiFi, super flat	KLV-60UPS-W-HY24-SF	302450	1/30

vt14120_I



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 2x 0.75-16 mm ² and 2x 0.75-25 mm ²	flat	KLV-60UPS-HY36-F	302441	1/30
		super flat	KLV-60UPS-HY36-SF	302442	1/30
		WiFi, flat	KLV-60UPS-W-HY36-F	302458	1/30
		WiFi, super flat	KLV-60UPS-W-HY36-SF	302459	1/30

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

vt13720_I



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 2x 0.75-16 mm ² and 2x 0.75-25 mm ²	flat	KLV-60HWS-HY24-F	302433	1/30
		super flat	KLV-60HWS-HY24-SF	302435	1/30
		WiFi, flat	KLV-60HWS-W-HY24-F	302451	1/30
		WiFi, super flat	KLV-60HWS-W-HY24-SF	302453	1/30

vt14220_I



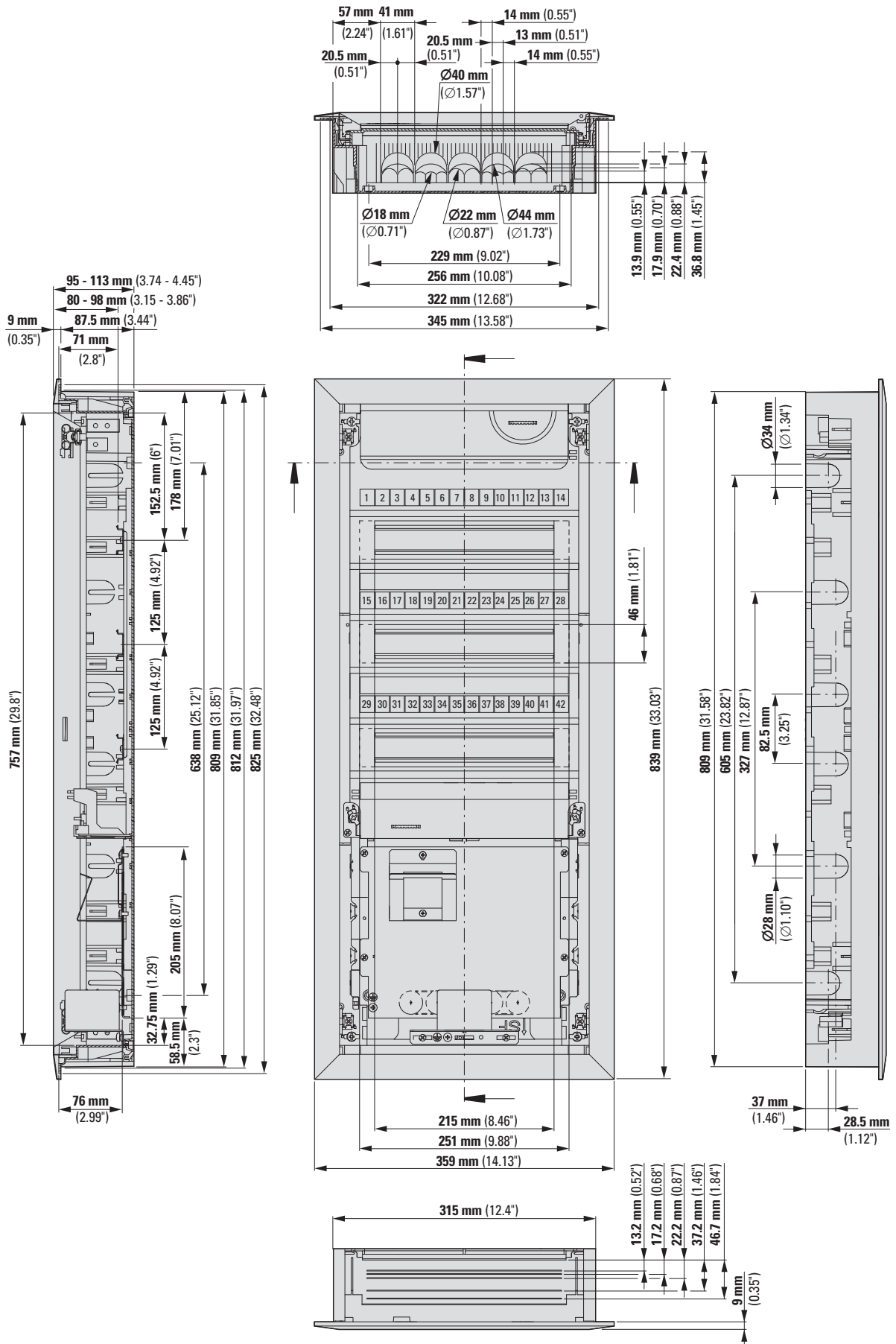
3 / 36+6	with 2x N/PE screw-type terminal 25x 0.75-16 mm ² (N) and 25x 0.75-16 mm ² (PE) plus 1x N-FI terminal with 2x 0.75-16 mm ² and 2x 0.75-25 mm ²	flat	KLV-60HWS-HY36-F	302443	1/30
		super flat	KLV-60HWS-HY36-SF	302444	1/30
		WiFi, flat	KLV-60HWS-W-HY36-F	302460	1/30
		WiFi, super flat	KLV-60HWS-W-HY36-SF	302463	1/30

Technical Data

KLV Hybrid	
Electrical	
Version according to	IEC/EN 62208; IEC/EN 60670-24 (PD)
Degree of protection	IP30 (IK05) according to EN 60529
Protection class	II (functional unit energy distribution) II (functional unit Media) To obtain the protection class II in hybrid enclosures, all devices must be installed on the mounting plate in a protection class II version
Rated voltage	400 V AC (functional unit energy distribution) 230 V AC (functional unit Media)
Insulation voltage	1000 V AC
Acc. IEC/EN 60670-24 and IEC/EN 62208 max. power loss Pde admitted for all devices installed in the distribution board, at a difference in temperature of 35 K	
KLV-60...-HY24-...	58 W
KLV-60...-HY36-...	58 W
Acc. DIN-EN 60670-24, Tab. DIN 43871 max. power loss Pzul admitted for all devices installed in the distribution board, at a difference in temperature of 10 to 30 K	
	10 K 15 K 20 K 25 K 30 K
KLV-60...-HY24-...	7 W 11.5 W 16.5 W 21.5 W 27 W
KLV-60...-HY36-...	7 W 11.5 W 16.5 W 21.5 W 27 W
Mechanical	
Material	
Enclosure	Polystyrene
Door/frame	Sheet steel, powder-coated with corrosion protection, (Version KLV...W... with special plastic insert), ventilation openings
Colour	
Enclosure	white RAL 9016
Door/frame	white RAL 9016
Support rail for devices	DIN rail 35 x 7.5 mm, galvanized sheet steel, max. 6 kg per rail
Mounting plate	Galvanized sheet steel with special micro-perforation, max. 6 kg per plate
UV resistant	no
Glow-wire test	850 °C (hollow-wall) / 650 °C (flush)
Type of installation	
KLV-...UP...	Indoor
KLV-...HW...	Indoor
in areas exposed to a risk of fire	no
Halogen-free, RoHs	< 1%, yes
Approvals	
ÖVE	(in preparation)
VDE	(in preparation)
Metrical or pre-marked holes prepared for knock-out	
KLV-60...-HY24-...	Top/bottom: pre-marked
KLV-60...-HY36-...	Rear panel: 20x Ø 28 mm Side panel: left and right 6x Ø 28 mm each Partition plate: 2x M25 and 2x M16

Dimensions (mm)

KLV-60...-HY36...-F



vt12920_1



Description

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

- 3- to 5-rows
- Hollow-wall and flush-mounted versions
- Flat and super flat door design
- Variants with WiFi door
- Integrated spirit level
- 3D plaster compensation
- Top row carrier rail
- Micro-perforated mounting plate
- Cable holder
- Device holders
- 2x 1-fold electricity socket
- Pre-marked cable entries on all sides
- Degree of protection IP30
- Door and frame, sheet steel RAL 9016
- Low halogen level
- IEC/EN 62208 and IEC/EN 60670-24 (GP)

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



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

IP30

- According to IEC/EN 62208 and IEC/EN 60670-24 (GP)
- Door with ventilation slots and frame made of sheet steel
- 1 DIN rail, e.g. for accommodating patch modules, mounting plate for telecommunication devices
- Device and cable holders for clear arrangement of devices
- 2x 1-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...

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, 2x 1-fold electricity socket	flat	KLV-36UPM-F	178830	1/60
		super flat	KLV-36UPM-SF	178831	1/60
		WiFi, flat	KLV-36UPM-W-F	302543	1/60
		WiFi, super flat	KLV-36UPM-W-SF	302544	1/60

vt14415



4 / 12+2 / 1	1st row DIN rail, 2nd to 4th row with micro-perforated metal mounting plate for telecommunication devices, 2x 1-fold electricity socket	flat	KLV-48UPM-F	178832	1/45
		super flat	KLV-48UPM-SF	178833	1/45
		WiFi, flat	KLV-48UPM-W-F	302545	1/45
		WiFi, super flat	KLV-48UPM-W-SF	302546	1/45

vt13020_J



5 / 12+2 / 1	1st row DIN rail, 2nd to 5th row with micro-perforated metal mounting plate for telecommunication devices, 2x 1-fold electricity socket	flat	KLV-60UPM-F	302418	1/30
		super flat	KLV-60UPM-SF	302419	1/30
		WiFi, flat	KLV-60UPM-W-F	302422	1/30
		WiFi, super flat	KLV-60UPM-W-SF	302423	1/30




1.46

Compact Distribution Boxes

xComfort

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



Rows / DIN / MPL	Description	Version	Type Designation	Article No.	Pack (pcs.)
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, 2x 1-fold electricity socket	flat	KLV-36HWM-F	178834	1/60
		super flat	KLV-36HWM-SF	178835	1/60
		WiFi, flat	KLV-36HWM-W-F	302547	1/60
		WiFi, super flat	KLV-36HWM-W-SF	302548	1/60
vt13715 	4 / 12+2 / 1 1st row DIN rail, 2nd to 4th row with micro-perforated metal mounting plate for telecommunication devices, 2x 1-fold electricity socket	flat	KLV-48HWM-F	178836	1/45
		super flat	KLV-48HWM-SF	178837	1/45
		WiFi, flat	KLV-48HWM-W-F	302549	1/45
		WiFi, super flat	KLV-48HWM-W-SF	302550	1/45
vt12820_I 	5 / 12+2 / 1 1st row DIN rail, 2nd to 5th row with micro-perforated metal mounting plate for telecommunication devices, 2x 1-fold electricity socket	flat	KLV-60HWM-F	302420	1/30
		super flat	KLV-60HWM-SF	302421	1/30
		WiFi, flat	KLV-60HWM-W-F	302424	1/30
		WiFi, super flat	KLV-60HWM-W-SF	302425	1/30

Technical Data

KLV Media	
Electrical	
Version according to	IEC/EN 62208 and IEC/EN 60670-24 (GP)
Degree of protection	IP30 (IK05) according to EN 60529
Protection class	II, to obtain the protection class II in media enclosures, all devices must be installed on the mounting plate in a protection class II version
Rated voltage	230 V AC
Insulation voltage	1000 V AC
Acc. IEC/EN 60670-24 and IEC/EN 62208 max. power loss Pde admitted for all devices installed in the distribution board, at a difference in temperature of 35 K	
3-row	43 W
4-row	48 W
5-row	58 W
Mechanical	
Material	
Enclosure	Polystyrene
Door/frame	Sheet steel, powder-coated with corrosion protection, (Version KLV...W... with special plastic insert), ventilation openings
Colour	
Enclosure	white RAL 9016
Door/frame	white RAL 9016
Support rail for devices	DIN rail 35 x 7.5 mm, galvanized sheet steel, max. 6 kg
Mounting plate	galvanized sheet steel with special micro-perforation, max. 6 kg
UV resistant	no
Glow-wire test	850 °C (hollow-wall) / 650 °C (flush)
Type of installation	
KLV-...UP...	Indoor
KLV-...HW...	Indoor
in areas exposed to a risk of fire	no
Halogen-free, RoHs	< 1%, yes
Approvals	
ÖVE	3 to 4-row (in preparation for 5-row)
VDE	3 to 4-row (in preparation for 5-row)
Metrical or pre-marked holes prepared for knock-out	
3-row	Top/bottom: pre-marked Rear panel: 10x Ø 28 mm Side panel: left and right 2x Ø 28 mm each
4-row	Top/bottom: pre-marked Rear panel: 10x Ø 28 mm Side panel: left and right 2x Ø 28 mm each
5-row	Top/bottom: pre-marked Rear panel: 20x Ø 28 mm Side panel: left and right 6x Ø 28 mm each

1.48

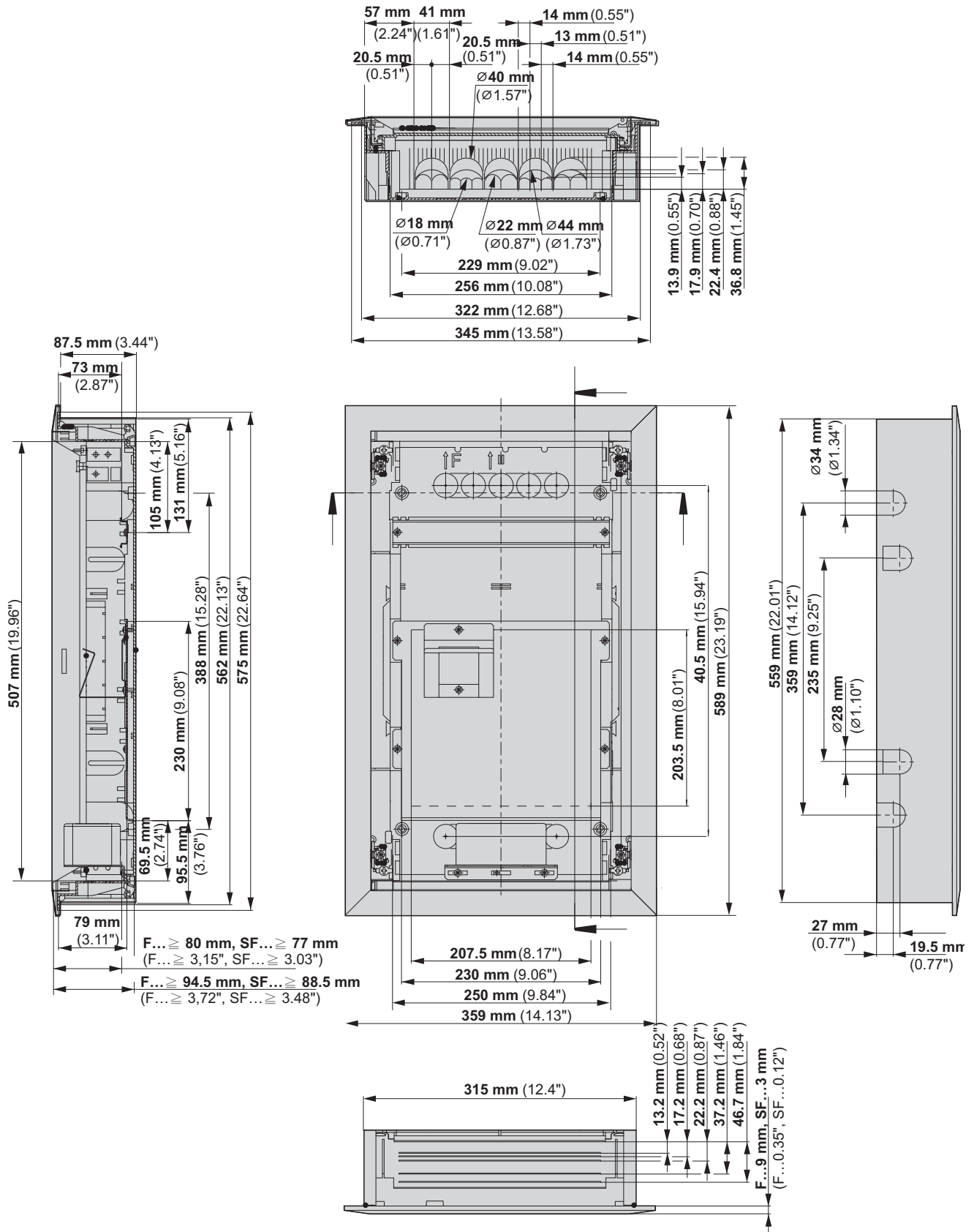
Compact Distribution Boxes

xComfort

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

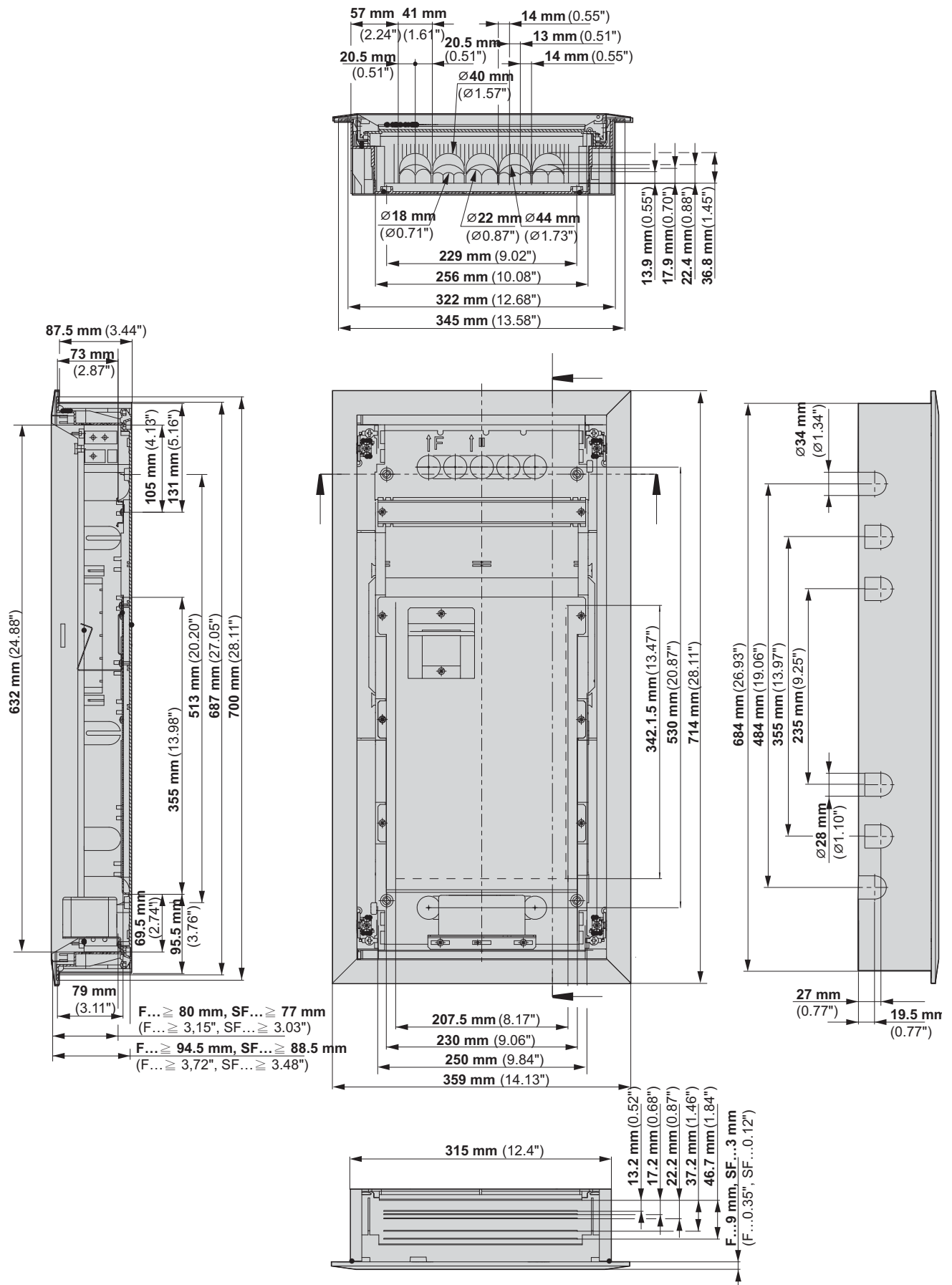
Dimensions (mm)

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



Dimensions (mm)

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



1.50

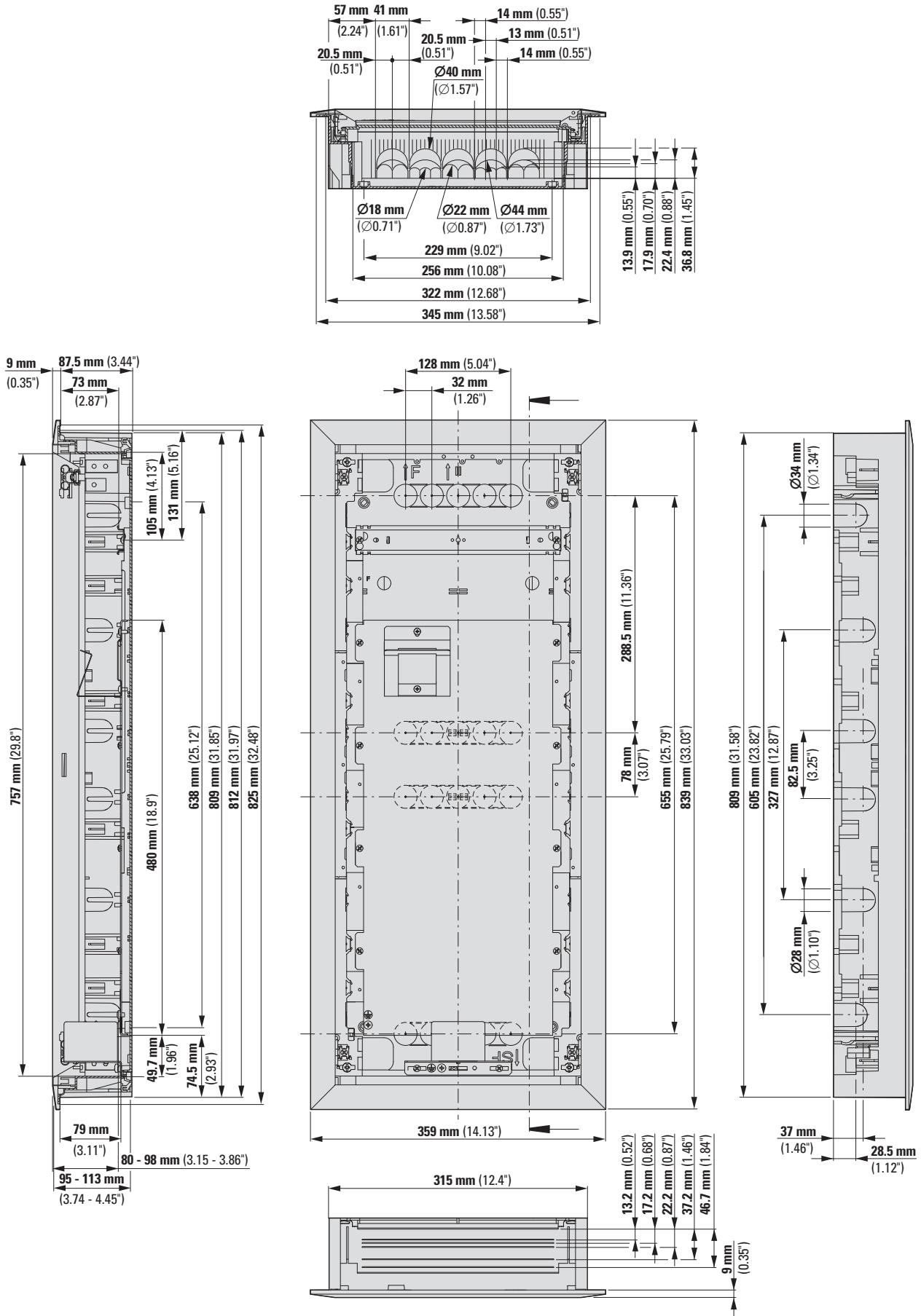
Compact Distribution Boxes

xComfort

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

Dimensions (mm)

KLV-60...M-F



v17015



v27615



v27215



v17915



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



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

IP30

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

Delivery Form for Projects - Wall pan

v17015



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
	5 / 60+10	KLV-UP5-4PR	302465	1/30

v17215



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
	5 / 60+10	KLV-HW5-4PR	302467	1/30

Delivery Form for Projects - Equipment set for flush-mounting

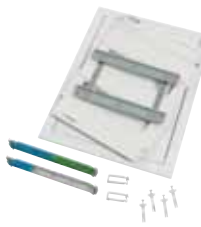
v27015



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 holders	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
	5 / 60+10	KLV-F5UPP-4PR	302468	1/30
	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
	5 / 60+10	KLV-SF5UPP-4PR	302469	1/30

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

v27115



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 holders	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
	5 / 60+10	KLV-F5HWP-4PR	302470	1/30
	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
	5 / 60+10	KLV-SF5HWP-4PR	302471	1/30

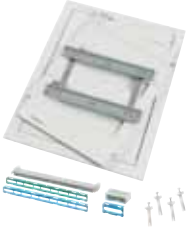
KLV-...4PR Delivery Form for Projects - Flush-mounted/Hollow-wall



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

4500PIC-16



With DIN rail structure, door with door frame, optionally flat (F) or super flat (SF), N-PE screw terminals, stable device cover, cable holders	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

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 holders	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

v27915



1x DIN rail and micro-perforated metal mounting plate, door with frame, optionally flat (F) or super flat (SF), cable and device holder, 2x 1-fold electricity socket, connection brackets	3 / 36+6	KLV-F3M-4PR	178862	1/60
	4 / 48+8	KLV-F4M-4PR	178863	1/45
	5 / 60+10	KLV-F5M-4PR	302482	1/30
	3 / 36+6	KLV-SF3M-4PR	178864	1/60
	4 / 48+8	KLV-SF4M-4PR	178865	1/45
	5 / 60+10	KLV-SF5M-4PR	302483	1/30
	3 / 36+6	KLV-F3M-W-4PR	302551	1/60
	4 / 48+8	KLV-F4M-W-4PR	302552	1/45
	5 / 60+10	KLV-F5M-W-4PR	302484	1/30
	3 / 36+6	KLV-SF3M-W-4PR	302554	1/60
4 / 48+8	KLV-SF4M-W-4PR	302555	1/45	
5 / 60+10	KLV-SF5M-W-4PR	302487	1/30	

Delivery Form for Projects - Interieur, flush-mounted

v27215



With DIN rail structure, N-PE combination plug-type terminal, N-FI terminal, stable device cover, cable holder	1 / 12+2	KLV-1UWP-4PR	178866	1/90
	2 / 24+4	KLV-2UWP-4PR	178867	1/60
	3 / 36+6	KLV-3UWP-4PR	178868	1/60
	4 / 48+8	KLV-4UWP-4PR	178869	1/45
	5 / 60+10	KLV-5UWP-4PR	302488	1/30

Delivery Form for Projects - Interieur, hollow-wall mounted

v27215



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
	5 / 60+10	KLV-5HWP-4PR	302489	1/30



Description	Rows / MU	Type Designation	Article No.	Pack (pcs.)
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Delivery Form for Projects – Hybrid Equipment set for flush-mounting

vt11820



Functional unit Energy: 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	5 / 24	KLV-F5UPP-HY24-4PR	302472	1/30
	5 / 36	KLV-F5UPP-HY36-4PR	302476	1/30
Functional unit Media:	5 / 24	KLV-SF5UPP-HY24-4PR	302473	1/30
Micro-perforated metal mounting plate, door with frame, optionally flat (F) or super flat (SF), cable and device holder, one 1-fold electricity socket	5 / 36	KLV-SF5UPP-HY36-4PR	302478	1/30

Delivery Form for Projects – Hybrid Equipment set for hollow-wall mounting

vt11820



Functional unit Energy: 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	5 / 24	KLV-F5HWP-HY24-4PR	302474	1/30
	5 / 36	KLV-F5HWP-HY36-4PR	302480	1/30
Functional unit Media:	5 / 24	KLV-SF5HWP-HY24-4PR	302475	1/30
Micro-perforated metal mounting plate, door with frame, optionally flat (F) or super flat (SF), cable and device holder, one 1-fold electricity socket	5 / 36	KLV-SF5HWP-HY36-4PR	302481	1/30



Description	Rows / MU	Type Designation	Article No.	Pack (pcs.)
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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
	5 / 60+10	KLV-F5-4PR	302490	1/30
	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
	5 / 60+10	KLV-SF5-4PR	302491	1/30

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
	5 / 60+10	KLV-F5L-4PR	302492	1/30
	3 / 36+6	KLV-SF3L-4PR	178884	1/60
	4 / 48+8	KLV-SF4L-4PR	178885	1/45
5 / 60+10	KLV-SF5L-4PR	302493	1/30	

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 handle always white

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			"_" = standard
	3			8				
				12				
				24				
				36				
				18				
				36				
				54				

System Overview IKA 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	Outdoor (UV resistant, ISO 4892-2)
Industrial	■	■ ¹⁾	■	■ ²⁾	■	■	■ ³⁾
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⁾ 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 IKA-...-UV (Industrial)	VT25814 IKA-...-ST (Professional)	VT26014 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


	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
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	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
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	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
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12 MUs per row

	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
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	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
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	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
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	Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
18 MUs per row						
 <p>VT24914</p>	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
 <p>VT24714</p>	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
 <p>VT24514</p>	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



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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1.62

Compact Distribution Boxes

xComfort

IKA surface-mounted Compact Distribution Boxes, IP65



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



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

IP65 (IK08)

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

Mini

VT25314



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



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



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

VT25014



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



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



3 / 36	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-3/36-OT	174208	1
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1.64

Compact Distribution Boxes

xComfort

IKA surface-mounted Compact Distribution Boxes, IP65



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

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
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



IKA-C-...-X

VT33716



IKA-C-...-LID

	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	■	-
Splited connection plate	-	■

PC: Polycarbonate

ABS: Acrylonitrile butadiene styrene

Rated Voltage: 1000 V AC, 1500 V DC



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

IP65 (IK08)

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

VT34016



1 / 12	with 1x N/PE screw-type terminal 6x 4.5 + 6x 5.5 mm 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
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	no
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

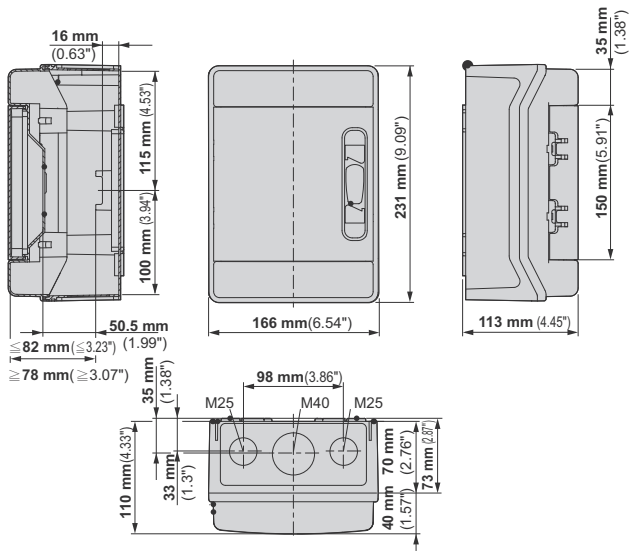
Max. connection cross-sections and assembly of the N/PE screw terminals

	[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

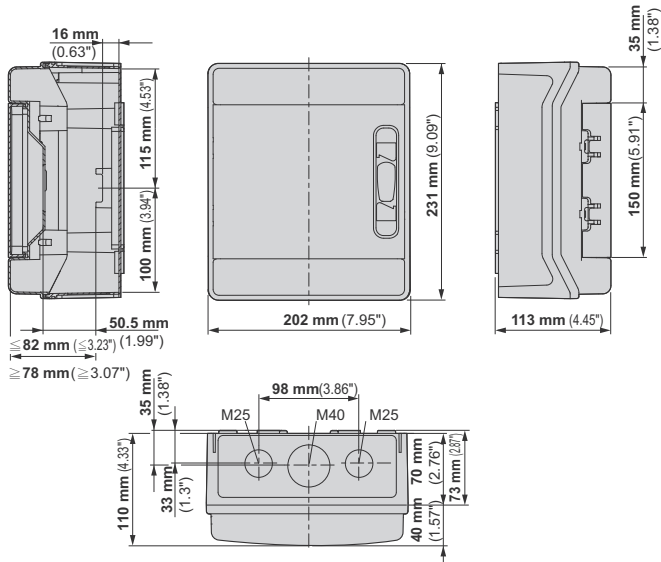
Note: Tightening torque values [Nm] of the N/PE screw terminals are directly indicated on the terminal enclosure.

Dimensions (mm)

IKA-1/4....

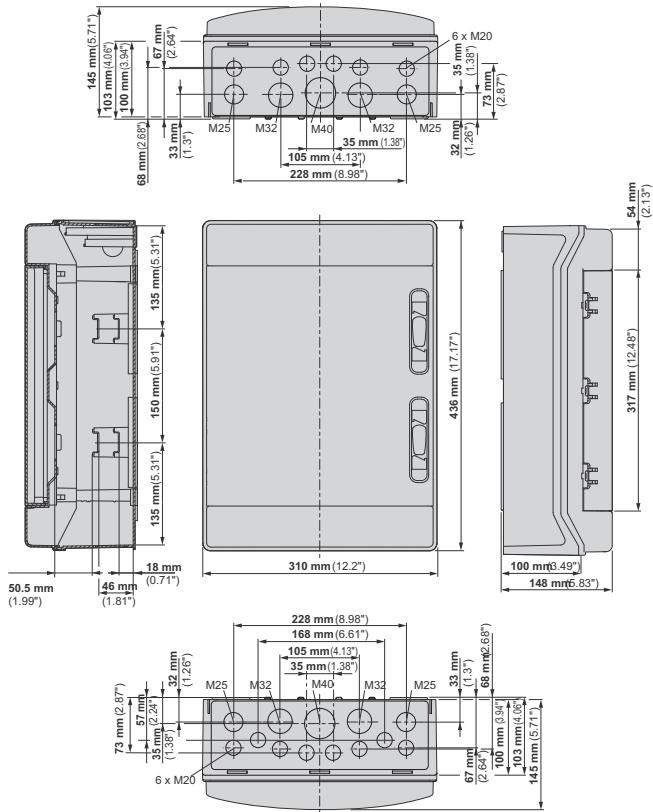


IKA-1/6....

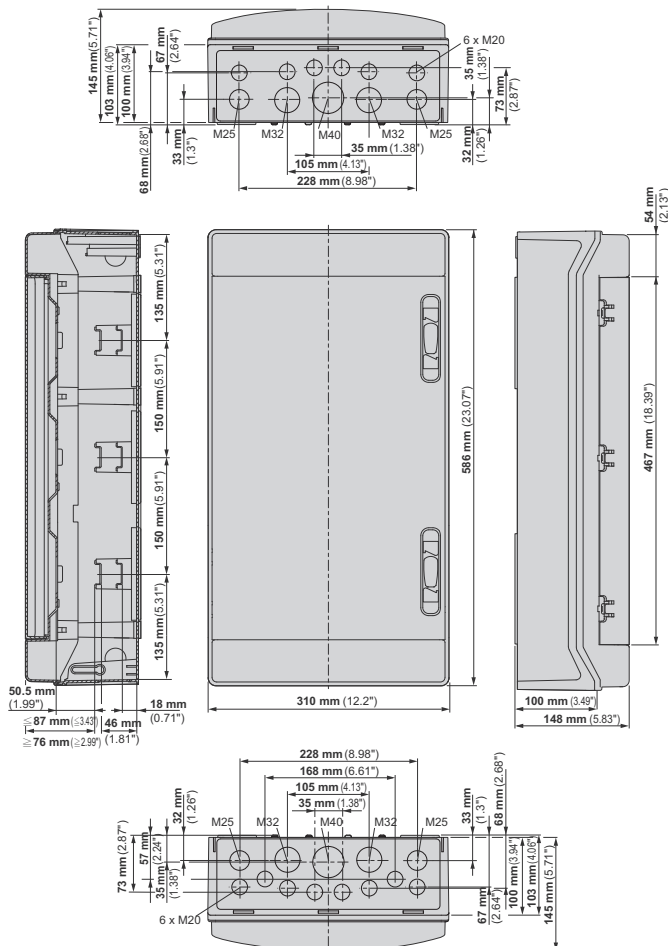


Dimensions (mm)

IKA-2/24....



IKA-3/36....



1.74

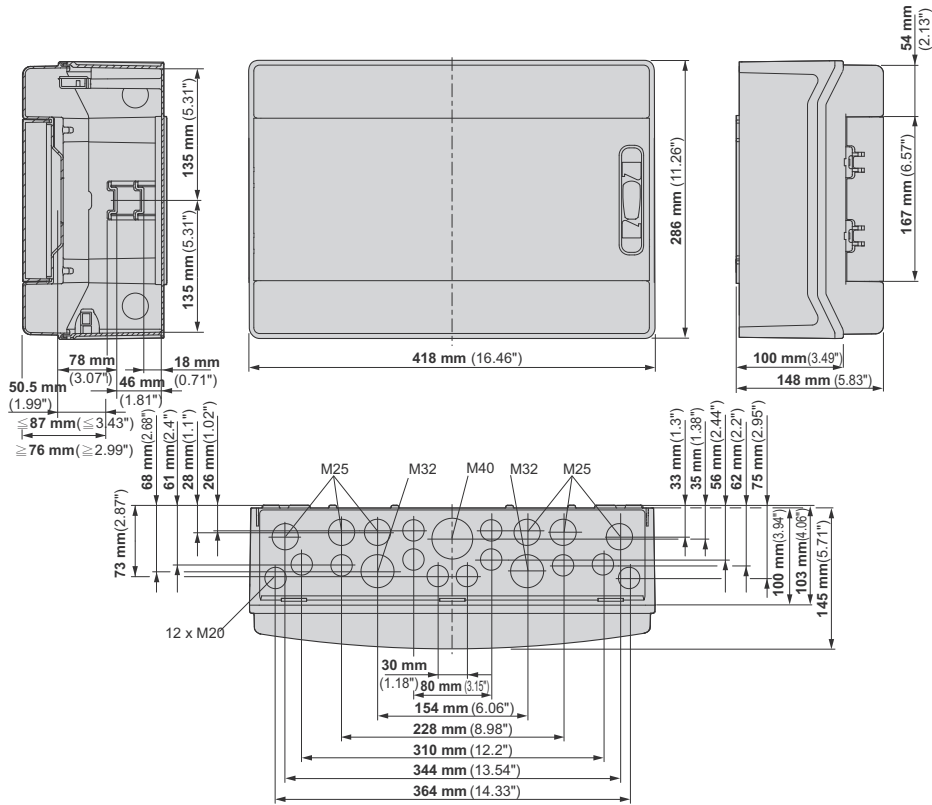
Compact Distribution Boxes

xComfort

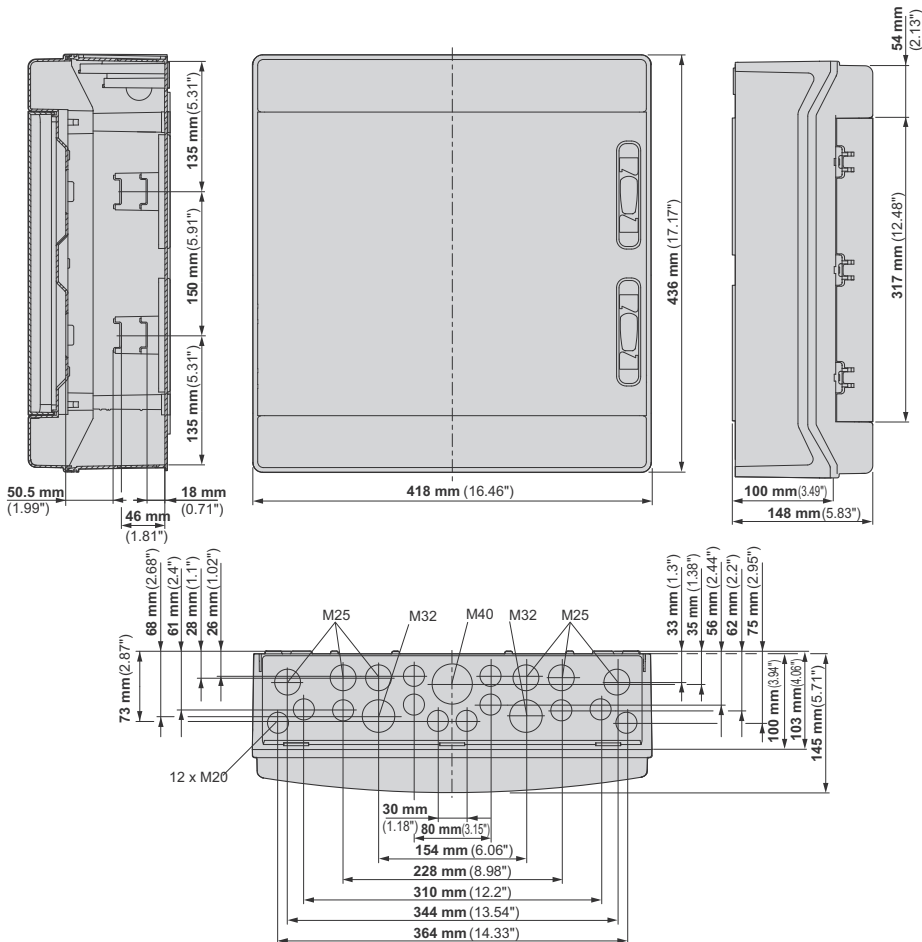
IKA-C surface-mounted Compact Distribution Boxes, IP65

Dimensions (mm)

IKA-1/18....

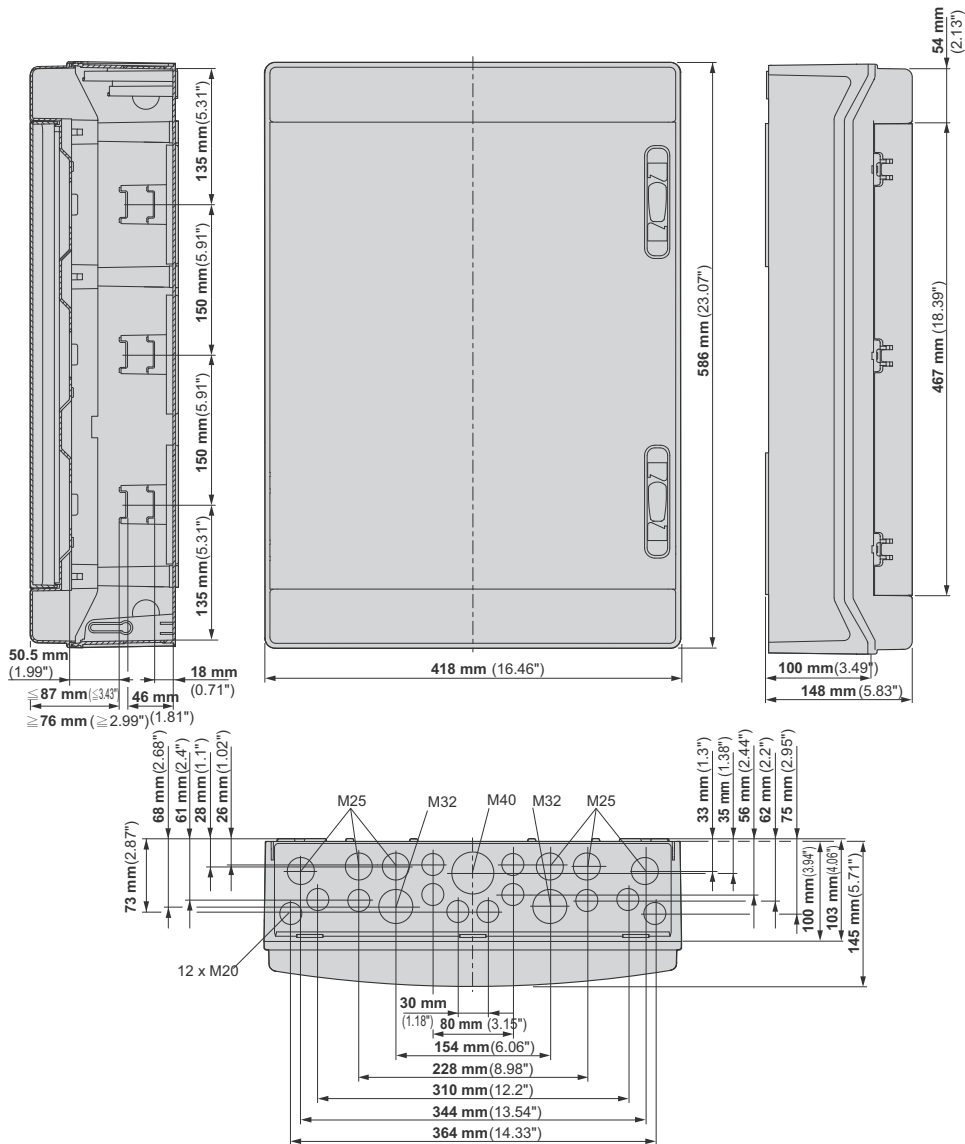


IKA-2/36....

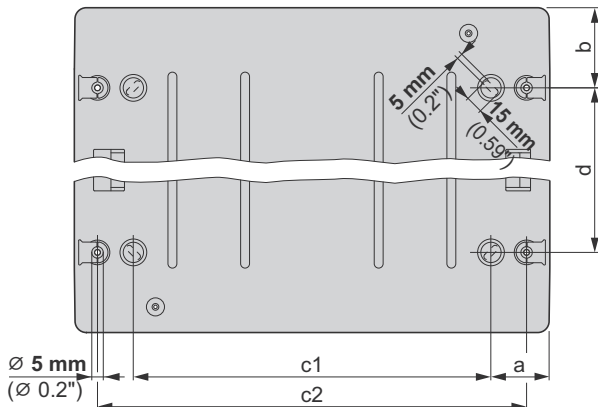


Dimensions (mm)

IKA-3/54....



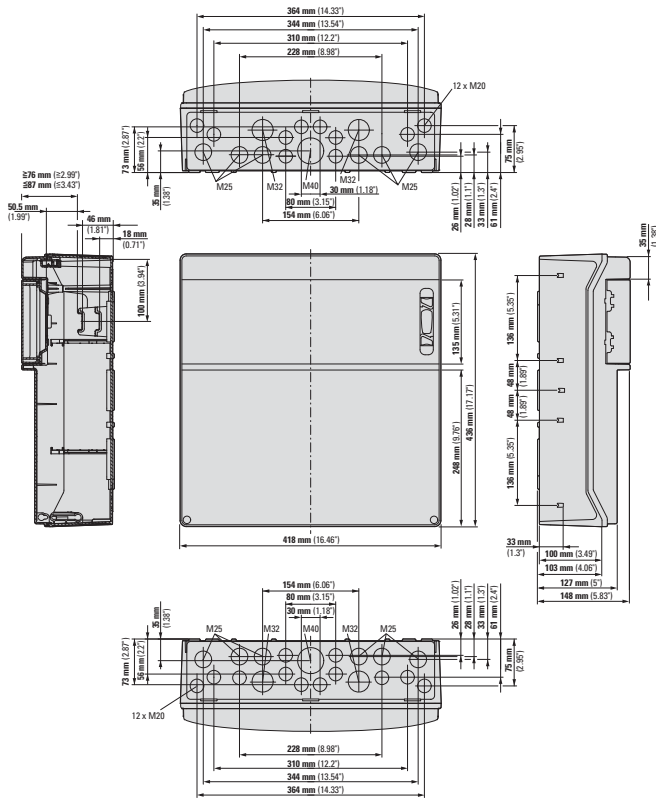
Holes for wall-mounting IKA-...



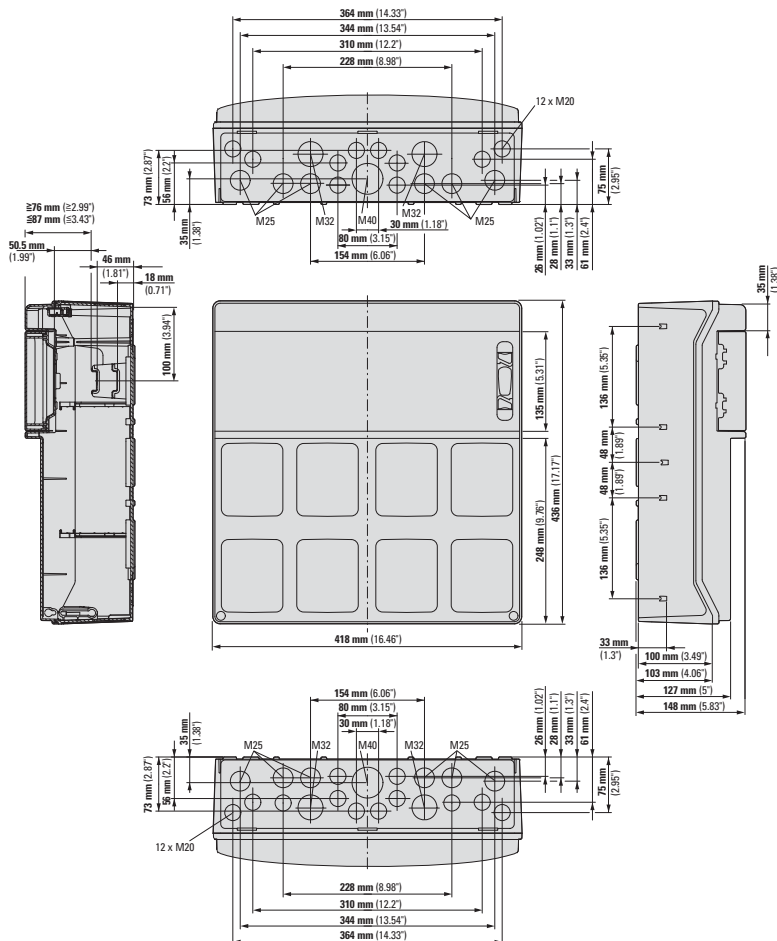
Type	a [mm]	b [mm]	c1 [mm]	c2 [mm]	d [mm]
IKA-1/4...	45	55	76	126	121
IKA-1/6...	52.5	55	97	162	121
IKA-1/8...	52.5	55	133	198	121
IKA-1/12...	51.5	62.5	207	270	121
IKA-2/24...	51.5	70.5	207	270	295
IKA-3/36...	51.5	70.5	207	270	445
IKA-1/18...	51.5	70.5	315	378	145
IKA-2/36...	51.5	70.5	315	378	295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

Dimensions (mm)

IKA-C-1/18-ST-X



IKA-C-1/18-ST-LID



vt28619



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vt28719



vt11816



Description

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

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



MU per row / rows

Type
Designation

Article No. Pack
(pcs.)

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

Scope of delivery:

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

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

White

wa_vt01513



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

vt28619



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

vt28819



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



MU per row / rows

Type
Designation

Article No. Pack
(pcs.)

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

v11816



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

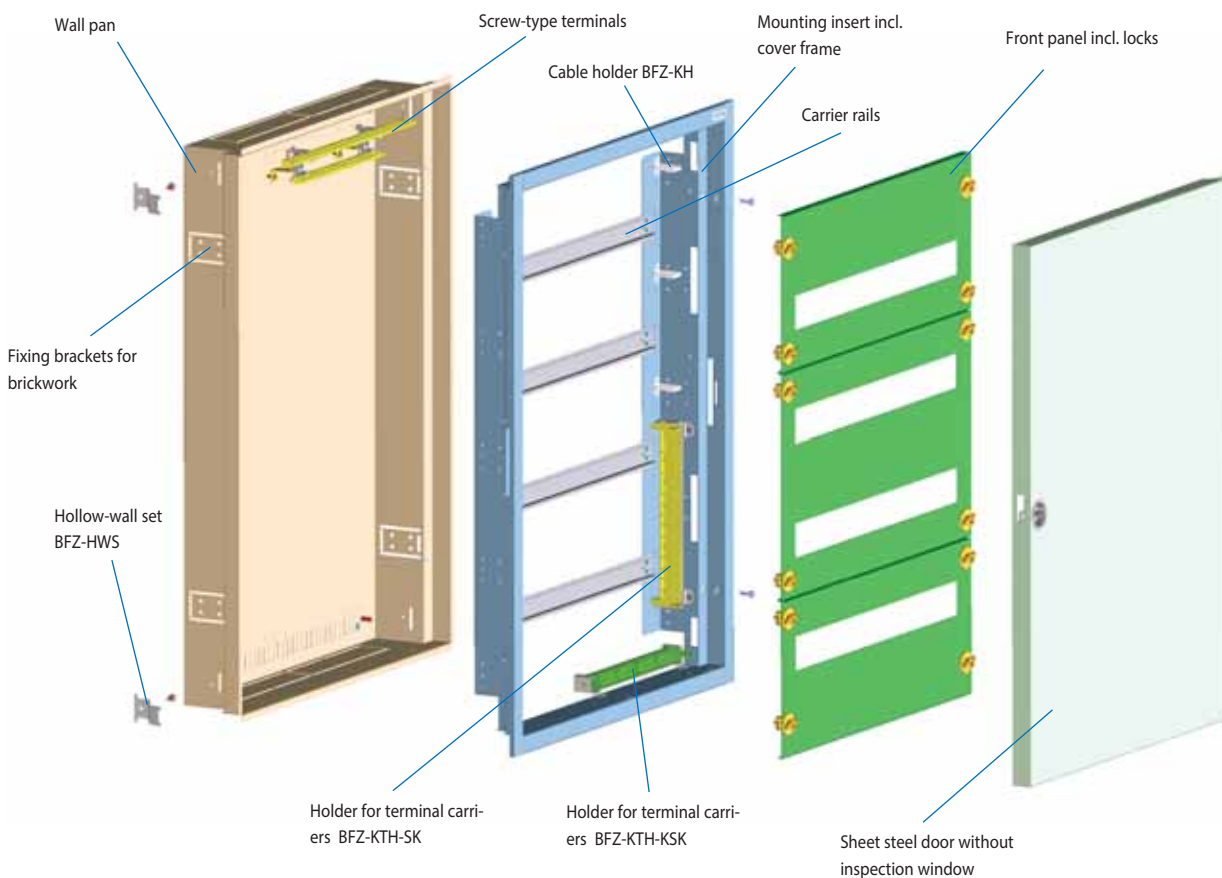
Technical Data

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 mm ² / 6x 16 mm ²
KL29	2x 25 mm ² / 27x 16 mm ²
KL45	2x 25 mm ² / 43x 16 mm ²
KL60	2x 25 mm ² / 58x 16 mm ²

Functional product features

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

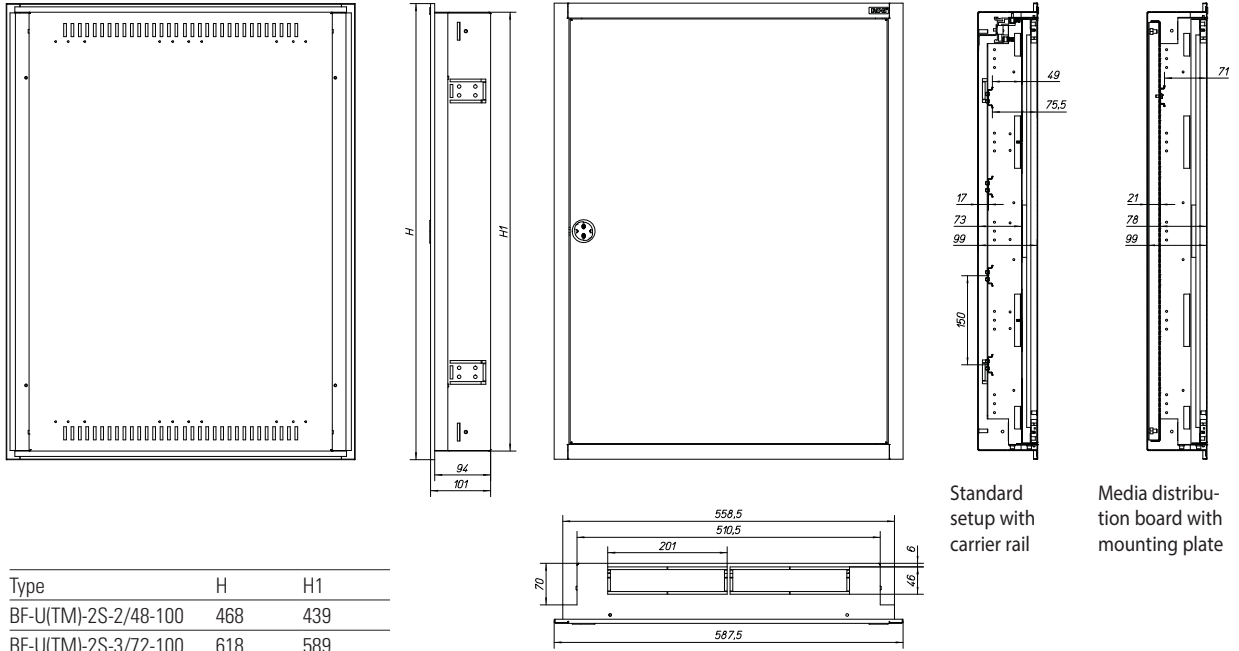
Overview of the individual components



Flat_3D

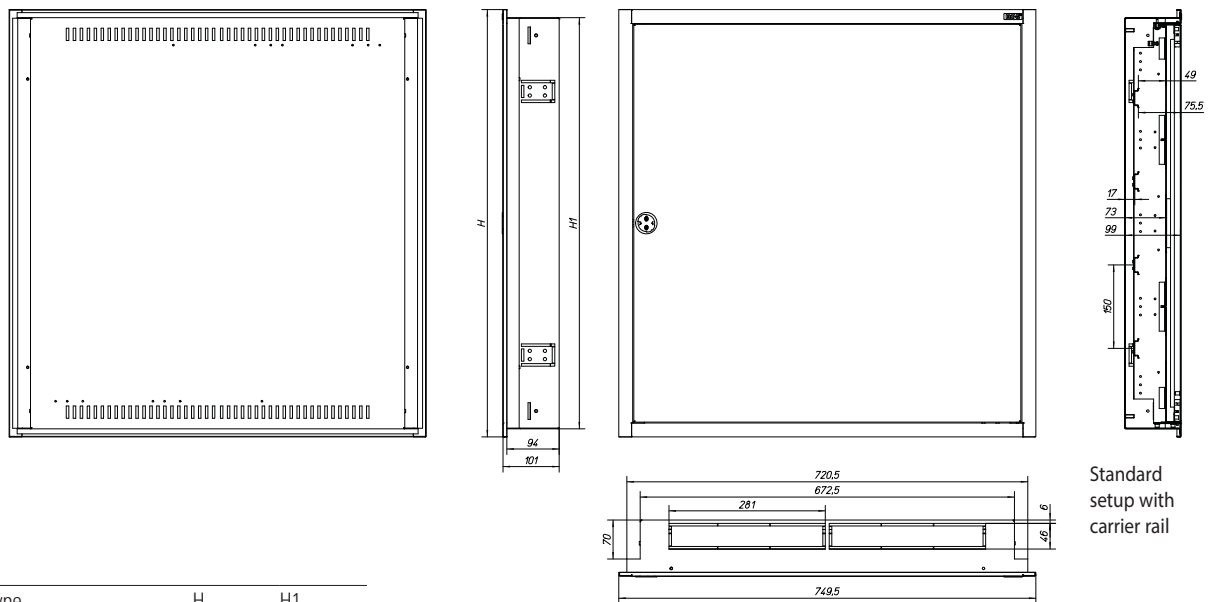
Dimensions (mm)

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



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

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



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

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Description

- Flush-mounted Flat Distribution Boards
- 2- to 6-rows 24 MUs/row (versions A, E, C)
- 4- to 6-rows 33 MUs/row (versions A, C, P)
- IP30
- Protection class I
- Sheet steel enclosure 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

wa_vt01513



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

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

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

Enclosure:

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

Wall pan:

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

Door:

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

DIN rail frame:

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

Front plate:

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

Technical Data

	BF-U-./..-A	
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 + 58x 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

wa_vt01513



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

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

White

wa_vt06313



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

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

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

Enclosure:

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

Wall pan:

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

Door:

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

DIN rail frame:

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

Front plate:

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

Technical Data

	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
Designation

Article No. Pack
(pcs.)

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

Scope of delivery:

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

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

White

wa_vt01513



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

Grey

wa_vt01613



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

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

White

wa_vt06313



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

Grey

wa_vt07513



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

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

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

Enclosure:

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

Wall pan:

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

Door:

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

DIN rail frame:

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

Front plate:

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

Technical Data

	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

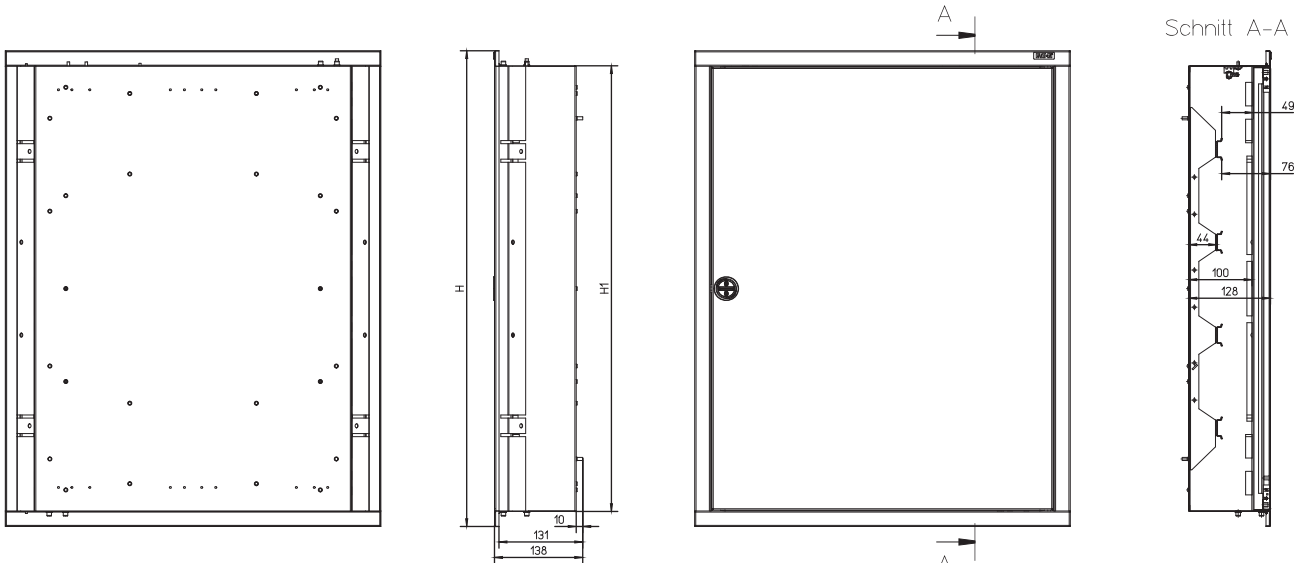
24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46mm)

Cable entries below

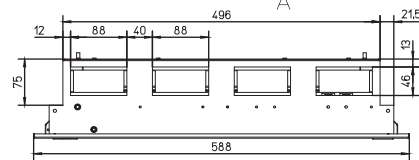
24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46mm)

Dimensions (mm)

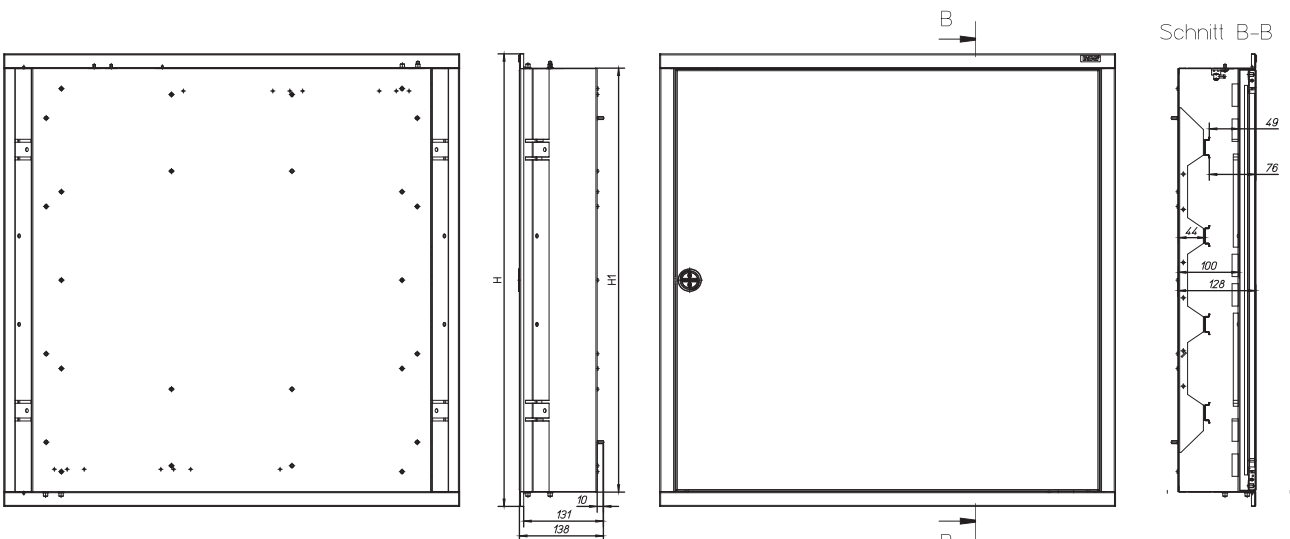
Flush-mounting Flat Distribution Boards with 24 MUs per row



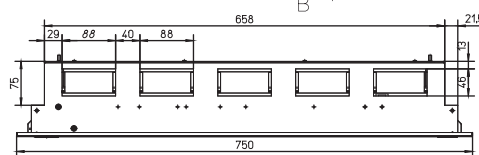
Type	H	H1
BF-U(T)-2/48	470	420
BF-U(T)-3/72	620	570
BF-U(T)-4/96	770	720
BF-U(T)-5/120	920	870
BF-U(T)-6/144	1070	1020



Flush-mounting Flat Distribution Boards with 33 MUs per row



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





MU per row / rows

Type
Designation

Article No. Pack
(pcs.)

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

Scope of delivery:

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

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

White

wa_vt01413



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

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

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

Enclosure:

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

Wall pan:

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

Door:

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

DIN rail frame:

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

Front plate:

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

Technical Data

	BF-U-./.-E	
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)

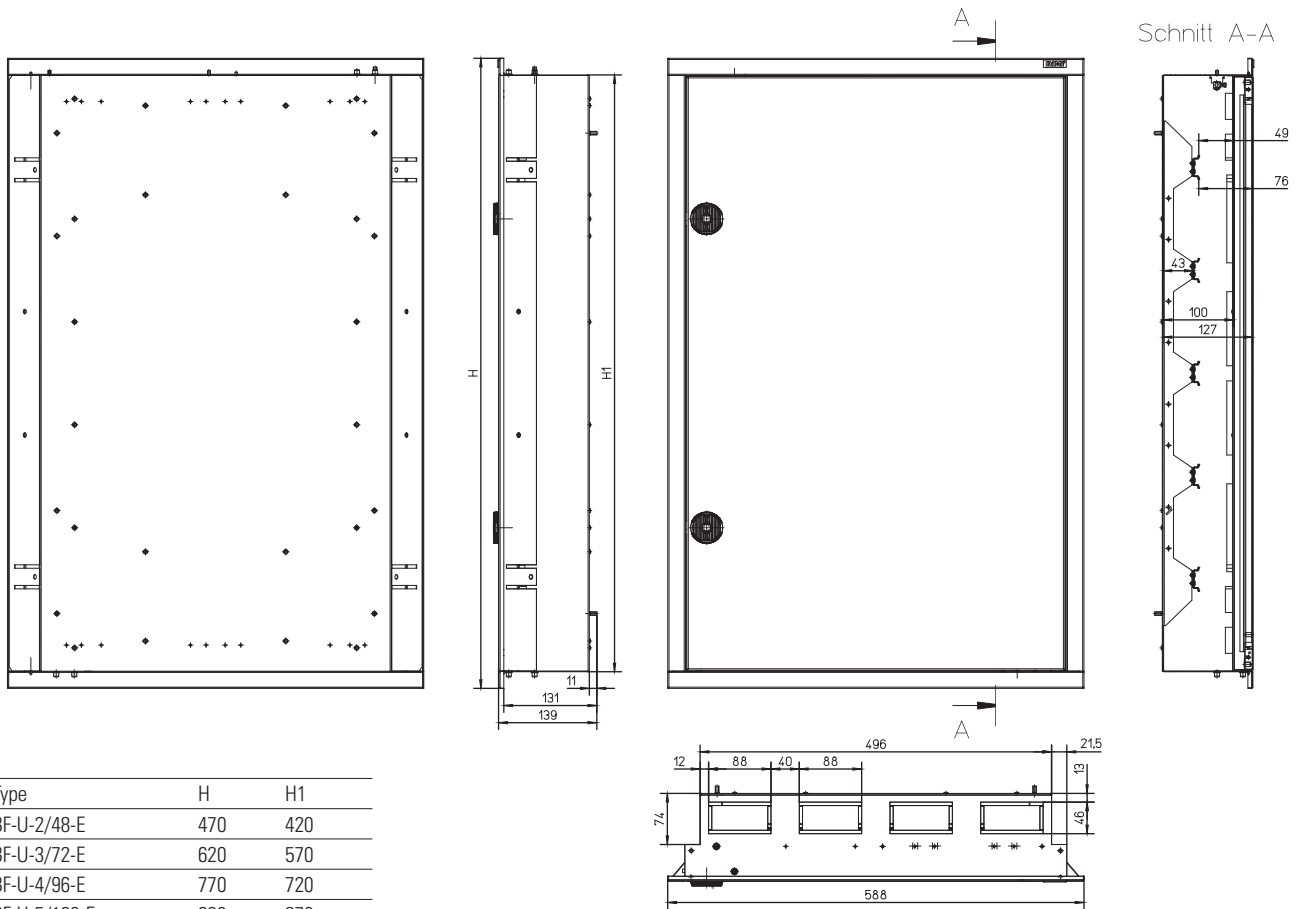
Cable entries below

24 MUs per row

Relief stamp: 4x (88x46 mm)

Dimensions (mm)

Flush-mounting Flat Distribution Boards with 24 MUs per row

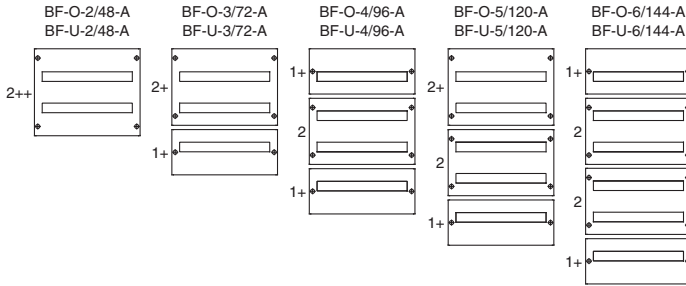


Type	H	H1
BF-U-2/48-E	470	420
BF-U-3/72-E	620	570
BF-U-4/96-E	770	720
BF-U-5/120-E	920	870
BF-U-6/144-E	1070	1020

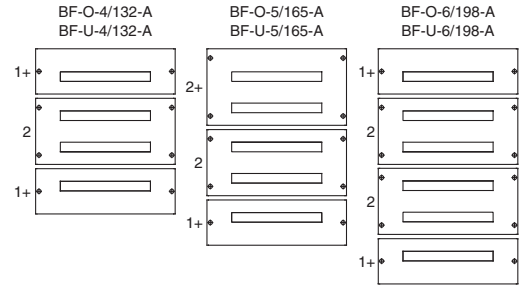
Allocation of front plate

Allocation of front plate (delivery status), Version A

24 MUs per row

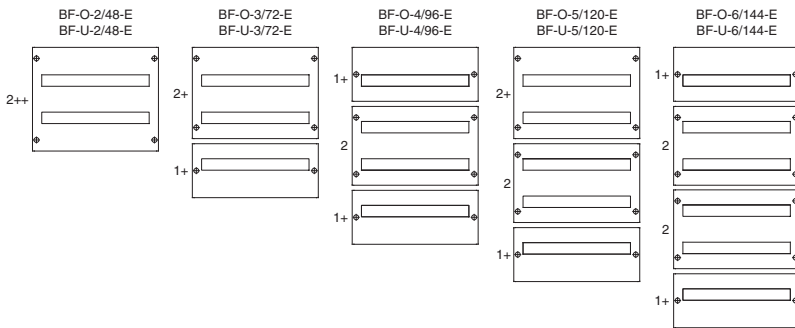


33 MUs per row



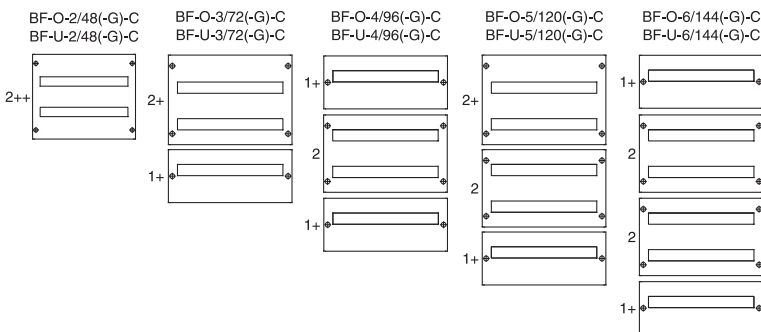
Allocation of front plate (delivery status), Version E

24 MUs per row

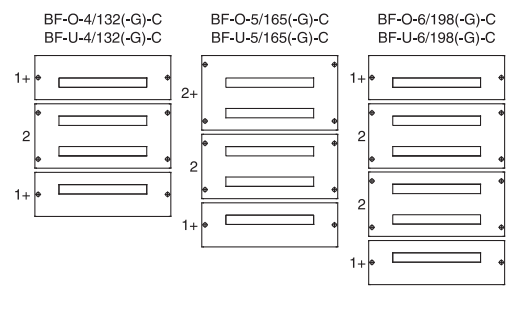


Allocation of front plate (delivery status), Version C

24 MUs per row

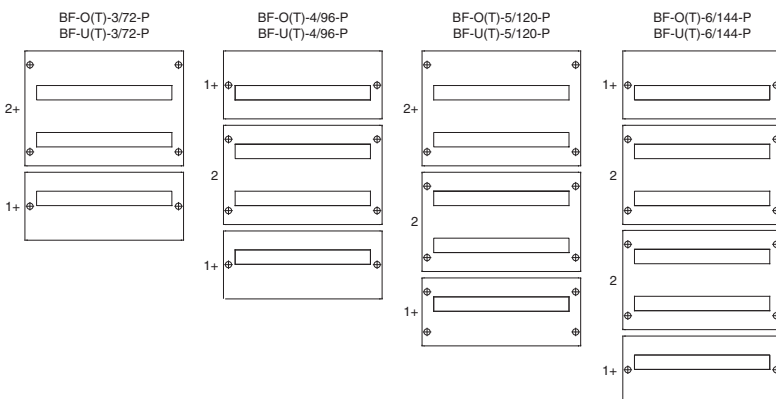


33 MUs per row



Allocation of front plate (delivery status), Version P

24 MUs per row



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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
Designation

Article No. Pack
 (pcs.)

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

Scope of delivery:

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

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

White

wa_vt01813



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

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

wa_vt01813



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

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

White

wa_vt06213



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

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
Designation

Article No. Pack
 (pcs.)

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

Scope of delivery:

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

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

White

wa_vt01813



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

Grey

wa_vt01913



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

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

White

wa_vt06213



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

Grey

wa_vt07613



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

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

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

Enclosure:

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

Wall pan:

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

Door:

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

DIN rail frame:

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

Front plate:

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

Technical Data

	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

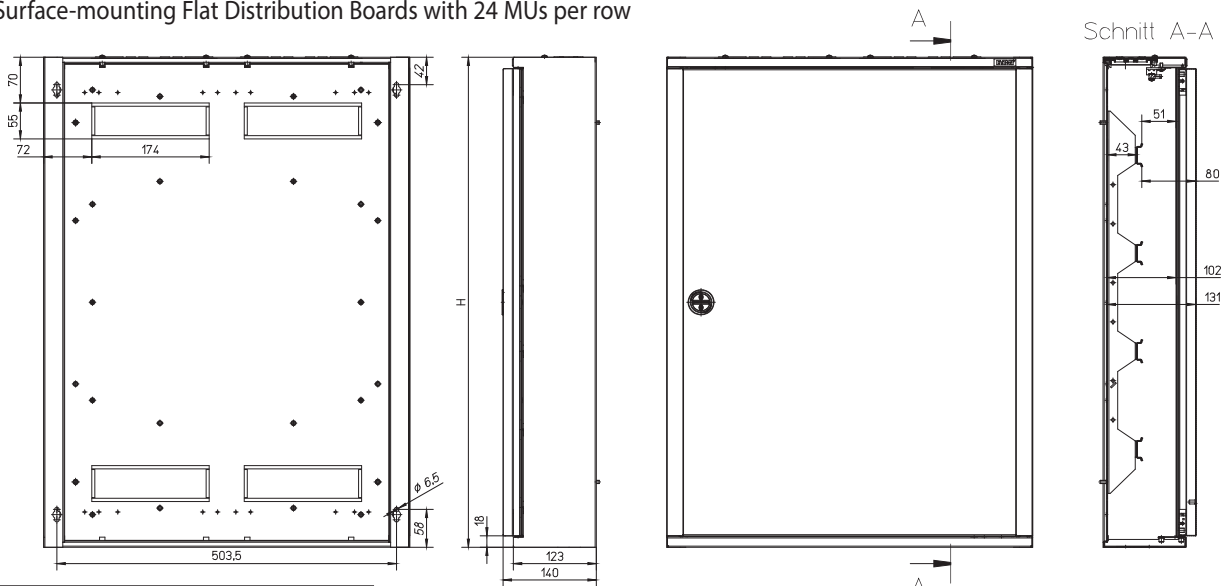
24 MUs per row		33 MUs per row	
2x Flange:	14x $\phi 11$ mm 8x $\phi 15$ mm 2x $\phi 28$ mm	3x Flange:	14x $\phi 11$ mm 8x $\phi 15$ mm 2x $\phi 28$ mm
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40

Cable entries below

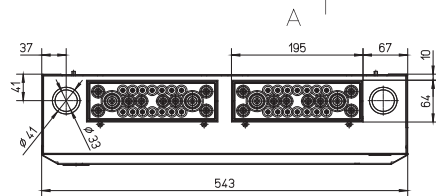
24 MUs per row		33 MUs per row	
Relief stamp:	2x M32/M40 6x M25 8x M20	Relief stamp:	1x M32/M40 12x M25 8x M20

Dimensions (mm)

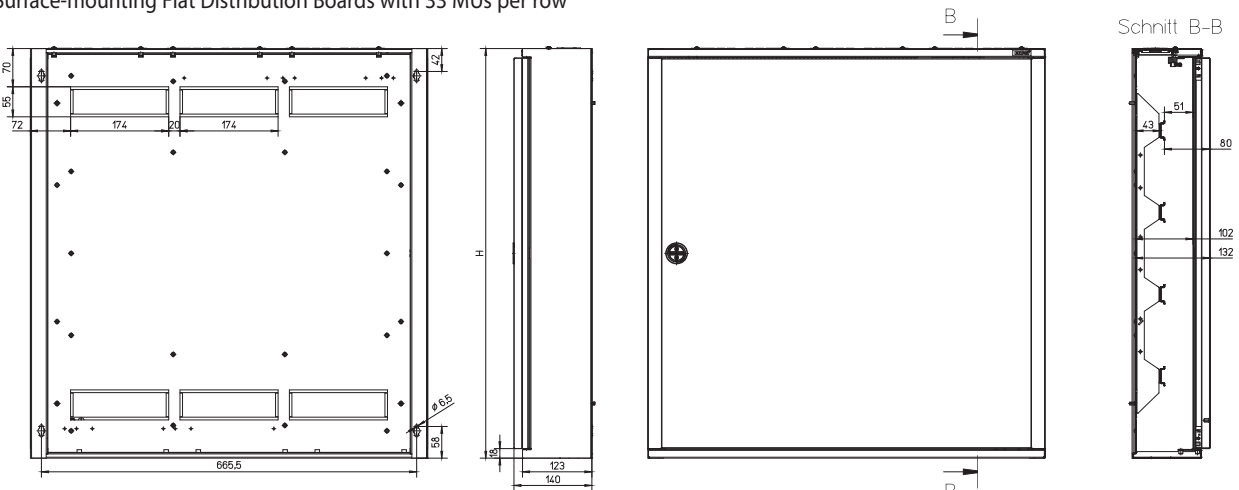
Surface-mounting Flat Distribution Boards with 24 MUs per row



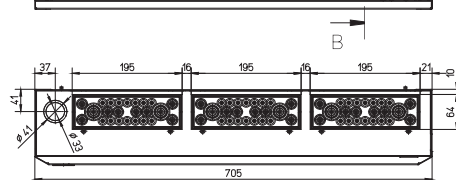
Type	H
BF-O(T)-2/48	450
BF-O(T)-3/72	600
BF-O(T)-4/96	750
BF-O(T)-5/120	900
BF-O(T)-6/144	1050



Surface-mounting Flat Distribution Boards with 33 MUs per row



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



1.104 Compact Distribution Boxes

BF-O surface-mounted Flat Distribution Boards, IP30

xComfort



MU per row / rows

Type
Designation

Article No. Pack
(pcs.)

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

Scope of delivery:

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

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

White

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

wa_vt01713



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

White

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

wa_vt01713



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

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

Enclosure:

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

Wall pan:

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

Door:

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

DIN rail frame:

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

Front plate:

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

Technical Data

	BF-O-./..-E	
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

1.106

Compact Distribution Boxes

xComfort

BF-O surface-mounted Flat Distribution Boards, IP30

Cable entries above

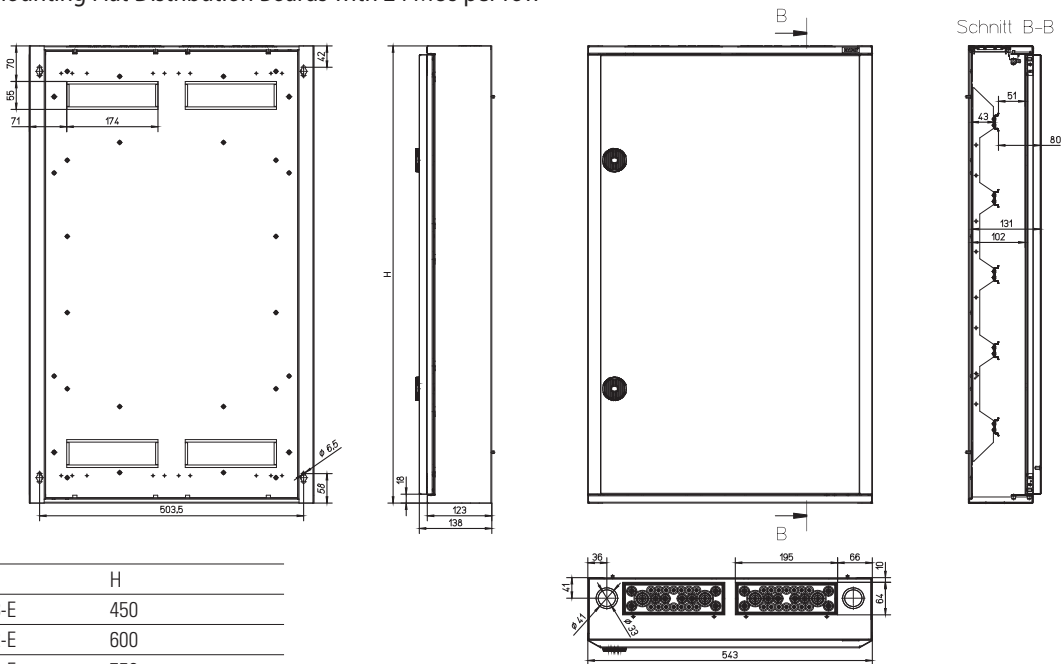
24 MUs per row		33 MUs per row	
2x Flange:	14x $\phi 11$ mm 8x $\phi 15$ mm 2x $\phi 28$ mm	3x Flange:	14x $\phi 11$ mm 8x $\phi 15$ mm 2x $\phi 28$ mm
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40

Cable entries below

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

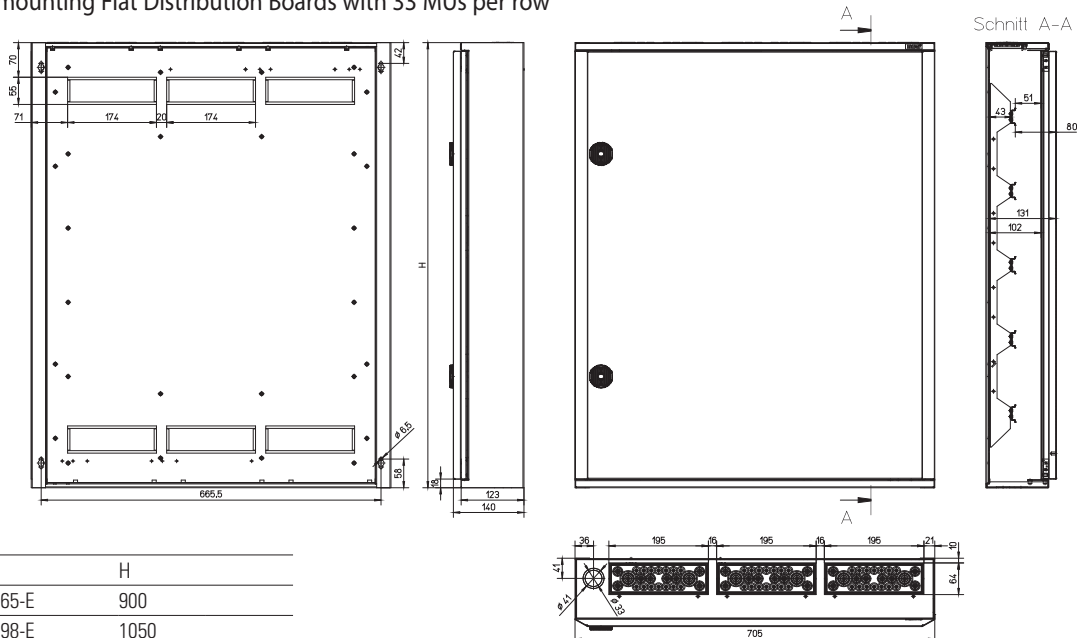
Dimensions (mm)

Surface-mounting Flat Distribution Boards with 24 MUs per row



Type	H
BF-O(T)-2/48-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

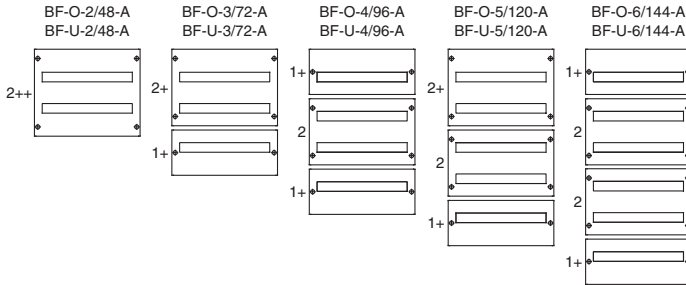


Type	H
BF-O(T)-5/165-E	900
BF-O(T)-6/198-E	1050

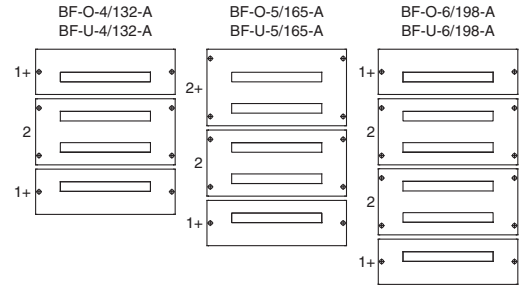
Allocation of front plate

Allocation of front plate (delivery status), Version A

24 MUs per row

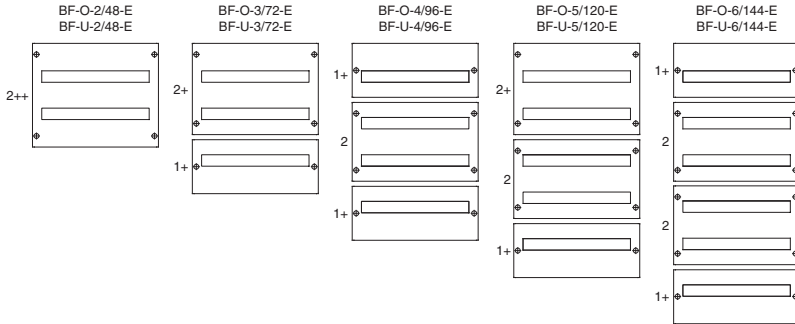


33 MUs per row



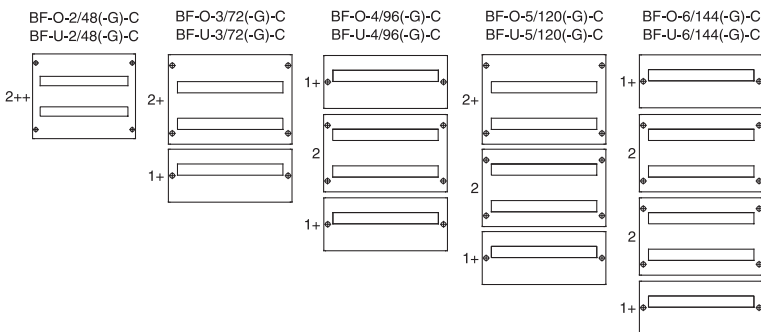
Allocation of front plate (delivery status), Version E

24 MUs per row

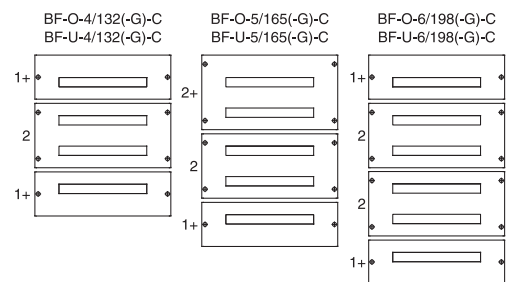


Allocation of front plate (delivery status), Version C

24 MUs per row

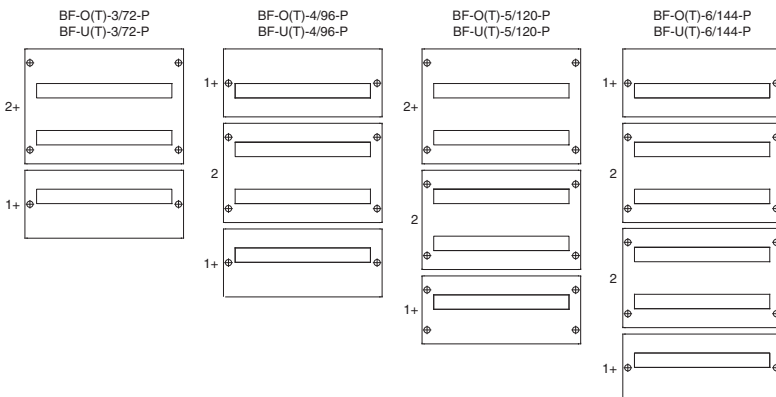


33 MUs per row



Allocation of front plate (delivery status), Version P

24 MUs per row



v42417_r

v41517_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	IP
Distribution Boxes complete			1	300	3	500	31
			2	550	4	650	
			3	800	5	800	
			4	1050	6	950	

Legend EWK Surface-mounted Field Distribution Boards

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



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

- Degree of protection IP31, IK08
 - Protection class II, totally insulated
 - Surface-mounted, enclosure depth of 225 mm
 - Complete with door and installation field for add-on devices
 - Combined plug-type terminals for neutral and protective conductor are included
 - Device cover with quick-acting closure
 - Fully removable DIN support rack
 - Stable and torsion-resistant DIN rail
 - Large wiring area behind the DIN rail
 - Possibility of direct fixing on the wall
 - Wall-fastening straps are optionally available as an accessory
 - Fast and easy inversion of the door hinges, 110° opening angle
 - As of a width of 800 mm, the Distribution Board comes with a 3-point lock
 - Standard closure is made of plastic, other types of closures are available as an optional accessory
 - 2K membrane flanges, at the top and bottom
 - Body and door RAL9016, powder-coated
 - Enclosure acc.to IEC/EN 62208, dedicated to build assemblies in accordance with IEC / EN 61439-3
- Max. rated current between 63 - 200 A, depending on main incomer, enclosure size and design-verified application

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.)
4-rows					
 <p>vt42117_r</p>	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
 <p>vt42017_r</p>	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
 <p>vt01318_r</p>	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

1.112

Compact Distribution Boxes

xComfort

EWK Surface-mounted Field Distribution Boards, IP31



	Rows / MU	Description	Dimensions W x H x D [mm]	Type Designation	Article No.	Pack (pcs.)
5-rows						
 <p>vt00918_r</p>	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
 <p>vt01118_r</p>	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
 <p>vt01717_r</p>	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
 <p>vt00318</p>	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.)
6-rows					
 <p>vt00718_r</p>	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
 <p>vt00518_r</p>	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
 <p>vt00118_r</p>	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
 <p>vt41517_r</p>	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

Technical Data

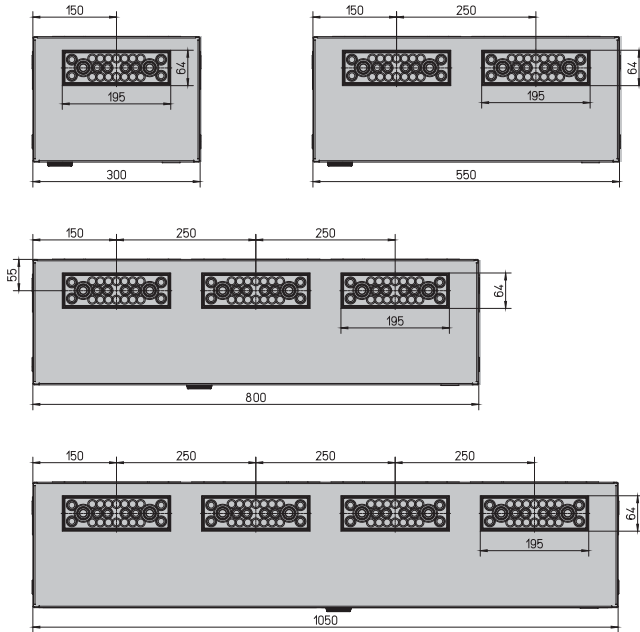
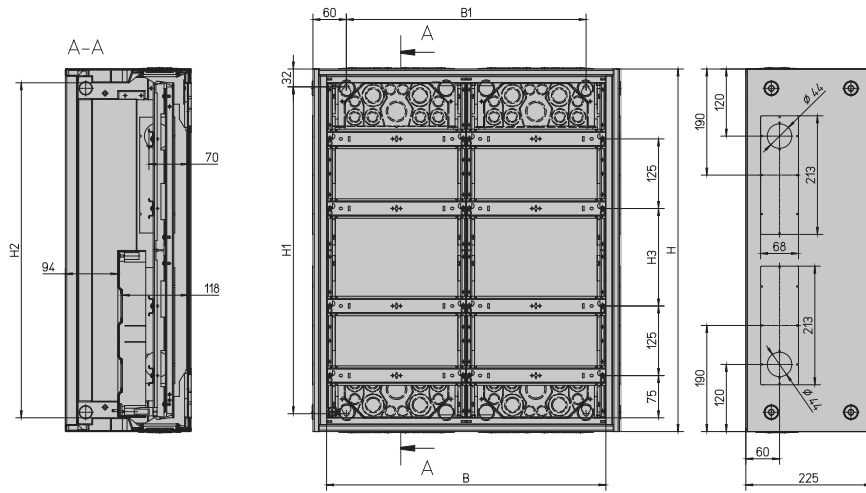
EWK	
Electrical	
Version according to	EN 62208
Degree of protection	IP31 according to EN 60529
Protection class	II, totally insulated according to DIN 43870
Rated voltage	400 V AC
Max. rated current	250 A
Mechanical	
Material	
Enclosure	Sheet steel, powder-coated with corrosion protection, inside lined with plastic (Polystyrol)
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 7.5 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

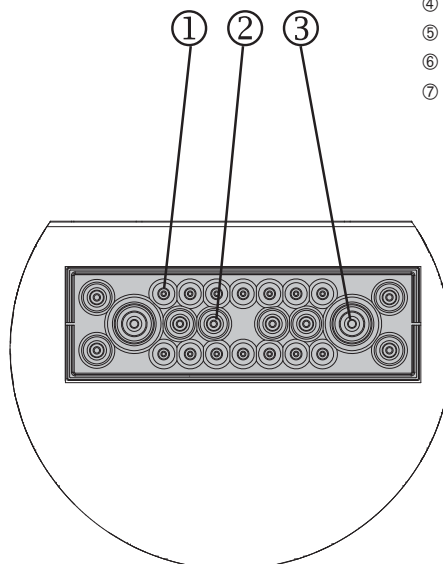
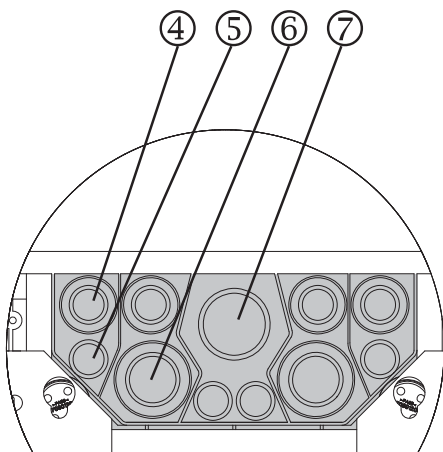
Maximum permissible power loss of all installed devices in the distribution box at 20°K temperature difference and 75% of hight

	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

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

1.116 Compact Distribution Boxes

Additional Equipment, Spare Parts

xComfort

VT30414



VT29914



VT30314



VT27614



v21515



v115714



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











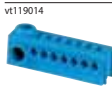


- Metric cable glands with lock nut and built-in strain relief
- IP68 up to 5 bar, polyamide, halogen free
- Flammability classification V2 according to UL94













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.)
Spare closing bolts				
 <p>VT30114</p>	all IKA Closing plug made of insulating material, lead-sealable	BOLT-IKA	174178	20
Spare hinges				
 <p>VT30214</p>	all IKA Hinges made of insulating material	HINGE-IKA	174186	20
Spare lock				
 <p>VT30314</p>	all IKA Lock consisting of locking unit and logo clip	ETN-IKA	174185	10
Spare plug				
 <p>VT30014</p>	all IKA Plugs for covering the holes for wall-mounting	HCAP-IKA	174167	20
Spare doors				
 <p>VT27614</p>	1 / 4 Transparent, lock inclusive	DOOR-1/4-T-IKA	174179	1
	1 / 6 Transparent, lock inclusive	DOOR-1/6-T-IKA	174180	1
	1 / 8 Transparent, lock inclusive	DOOR-1/8-T-IKA	174181	1
	1 / 12 Transparent, lock inclusive	DOOR-1/12-T-IKA	174182	1
	2 / 24 Transparent, lock inclusive	DOOR-2/24-T-IKA	174183	1
	3 / 36 Transparent, lock inclusive	DOOR-3/36-T-IKA	174223	1
	1 / 18 Transparent, lock inclusive	DOOR-1/18-T-IKA	174224	1
2 / 36 Transparent, lock inclusive	DOOR-2/36-T-IKA	174225	1	
3 / 54 Transparent, lock inclusive	DOOR-3/54-T-IKA	174226	1	
Spar flange plate				
 <p>v35016</p>	IKA-C ...-LID Spar flange plate for IKA-C...-LID	LID1-IKA	187355	1
Linking element				
 <p>VT32816</p>	all IKA Connection piece M25 for connecting multiple enclosures IKA next to each other	M25LUG-IKA	187353	1
 <p>VT32916</p>	all IKA Connection piece M40 for connecting multiple enclosures IKA next to each other	M40LUG-IKA	187354	1

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)	
Additional Equipment / Spare Parts KLV-...					
Combined plug-type terminal					
<ul style="list-style-type: none"> • 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/PE Combined plug-type terminal	KSK-H-2N/2PE-KLV	302505	1
		2x 2.5-25 mm ² each and 14x 0.5-4 mm ² each high version			
	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			
	1x N potential	N Combined plug-type terminal	KSK-H-4N-KLV	302506	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ² high version			
	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-H-3N/1N-KLV	302507	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ² high version			
	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			
	2x N potential	N/N Combined plug-type terminal	KSK-H-2N/2N-KLV	302509	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ² high version			
	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			
	1x PE potential	PE Combined plug-type terminal	KSK-H-4PE-KLV	302510	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ² high version			
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
		Terminal carrier empty suitable for up to 4x KSK-N and/or 4x KSK-PE, high version	KSK-H-KLV	302511	1

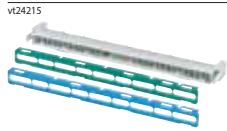
Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
Equipped combined plug-type terminal KSK for wall pan				
 	1x N potential N Combined plug-type terminal 1x 2.5-25 mm ² and 7x 0.5-4 mm ² Assembly right / left in the wall pan	KSK-N-UP/HW-KLV	302502	1
 	1x N potential Double N combined plug-type terminal 2x 2.5-25 mm ² and 14x 0.5-4 mm ² Assembly right / left in the wall pan	KSK-2N-UP/HW-KLV	302504	1
Equipped combined plug-type terminal KSK for DIN-rail				
 	1x N potential N Combined plug-type terminal 1x 2.5-25 mm ² and 7x 0.5-4 mm ² Assembly on DIN-rail	KSK-N-TS-KLV	302501	1
 	1x N potential Double N combined plug-type terminal 2x 2.5-25 mm ² and 14x 0.5-4 mm ² Assembly on DIN-rail	KSK-2N-TS-KLV	302503	1
Terminal carrier empty				
 	KSK-N or KSK-PE Terminal carrier empty suitable for 1x KSK-N or 1x KSK-PE Assembly right / left in the wall pan	KSK-UP/HW-KLV	302513	1
 	1x N potential Terminal carrier empty suitable for 1x KSK-N or 1x KSK-PE Assembly on DIN-rail	KSK-TS-KLV	302512	1

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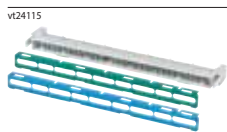
Screw-type terminal

- 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

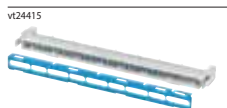
Equipped screw-type terminal SK



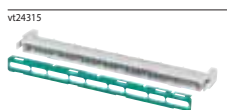
vt24215	1x N potential 1x PE potential	N/PE Screw-type terminal 13x 0.75-16 mm ² (N) and 13x 0.75-16 mm ² (PE)	SK-13N/PE-KLV	178906	1
		N/PE Screw-type terminal 13x 0.75-16 mm ² (N) and 13x 0.75-16 mm ² (PE), high version	SK-H-13N/PE-KLV	302514	1



vt24115	1x N potential 1x PE potential	N/PE Screw-type terminal 13x 0.75-16 mm ² (N) and 16x 0.75-16 mm ² (PE)	SK-13N/16PE-KLV	178907	1
		N/PE Screw-type terminal 13x 0.75-16 mm ² (N) and 16x 0.75-16 mm ² (PE), high version	SK-H-13N/16PE-KLV	302515	1

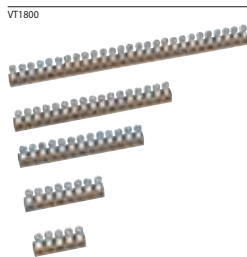


vt24415	1x N potential	N Screw-type terminal 25x 0.75-16 mm ² (N)	SK-25N-KLV	178908	1
		N Screw-type terminal 25x 0.75-16 mm ² (N), high version	SK-H-25N-KLV	302518	1

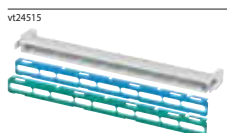


vt24315	1x PE potential	PE Screw-type terminal 25x 0.75-16 mm ² (N)	SK-25PE-KLV	178909	1
		PE Screw-type terminal 25x 0.75-16 mm ² (N), high version	SK-H-25PE-KLV	302519	1

Individual screw-type terminal KL



vt1800	N potential or PE potential	1x 25 mm ² + 3x 16 mm ²	KL-4	219723	1
		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
		Terminal carrier empty suitable for up to 27x screw terminal points, incl. cover in blue and green, high version	SK-H-KLV	302521	1



vt24615	1x N potential	N-FI expansion terminal for wall pan with screw-type terminal 2x 25 mm ² + 2x 16 mm ² , incl. cover in blue	N-FI-KLV	178911	1
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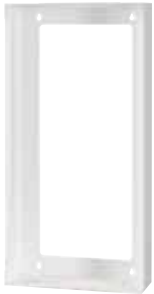


vt24715	SK-...KLV	Expansion terminal with screw-type connection 1x 35 mm ²	KLA	275453	1
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Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
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Surface-mounting tub

v127917



KLV-36...	Surface-mounting tub for one flat or super flat KLV,	APW3-KLV	195166	1
KLV-48...	sheet steel, powder coated RAL 9016, generous rear	APW4-KLV	193386	1
KLV-60...	cable inlet, top and bottom with opening for cable	APW5-KLV	302496	1
	inlet, incl. fixing material			

Double surface-mounting tub horizontal

v127319



KLV-36...	Double surface-mounting tub for two flat or super flat	APW33H-KLV	300843	1
KLV-48...	KLV side-by-side, sheet steel, powder coated RAL	APW44H-KLV	300845	1
KLV-60...	9016, generous rear cable inlet, top and bottom with	APW55H-KLV	302497	1
	opening for cable inlet, incl. fixing material			

Double surface-mounting tub vertical

v127119



KLV-36...	Double surface-mounting tub for two flat or super flat	APW33V-KLV	300844	1
KLV-48...	KLV among each other, sheet steel, powder coated	APW44V-KLV	300846	1
	RAL 9016, generous rear cable inlet, top and bottom			
	with opening for cable inlet, incl. fixing material			

Plaster shield sheet steel

v133616


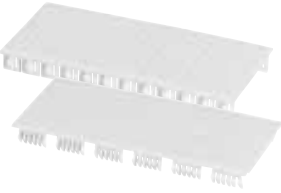


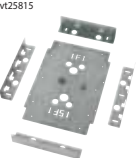









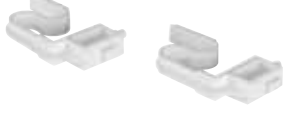




KLV-36...	Plaster shield made of stable sheet steel, to put on	VS3-STEEL-KLV	186291	1
KLV-48...	the wall pan, powder coated RAL 9016, reusable,	VS4-STEEL-KLV	191063	1
KLV-60...	incl. fixing material	VS5-STEEL-KLV	302498	1










1.124 Compact Distribution Boxes

xComfort





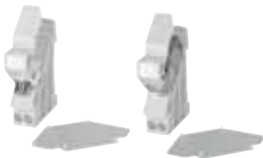



Additional Equipment / Spare Parts KLV-...

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)	
Lock set LOCK-KLV					
 vt23315	KLV-... Lock set for sheet steel door, keyed alike, incl. 2 keys	LOCK-KLV	178930	1	
Blanking strip BS...-WH					
 wa_vt10414, wa_vt10714	All Eaton distribution boards	Blanking strip, white, fine-ribbed, 12 MU	BS-12MF-WH	178975	10/100
		Blanking strip, gray, fine-ribbed, 12 MU	BS-12MF-GY	178980	10/100
		Blanking strip, white, fine-ribbed, 6 MU	BS-6MF-WH	178976	10/100
		Blanking strip, white, rough-ribbed, 12 MU	BS-12MB-WH	178977	10/100
		Blanking strip, gray, rough-ribbed, 12 MU	BS-12MB-GY	178979	10/100
		Blanking strip, white, rough-ribbed, 6 MU	BS-6MB-WH	178978	10/100
Internal partition ¹⁾					
 vt24015	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
¹⁾ Not applicable for multimedia					
 vt23815	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
	KLV-60...		VS5-KLV	302494	1
Reinforcement template VSB...-KLV					
 vt25815	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
	KLV-60...		VSB5-KLV	302495	1
Industrial cable tie-wrap ITB					
 vt08809	KLV-...	Continuously ribbed to the tip, colour natural, flame retardant UL94 V2	ITB1 ITB2 ITB3	083550 085923 088296	1000 1000 100
3D plaster compensation					
 vt22815	KLV-...	3D plaster compensation as a set in a pouch	3D-KLV	178940	1
Hollow-wall anchor					
 vt22715	KLV-...	Hollow-wall anchor as a set in a pouch	HWS-KLV	178941	1

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
Nail straps plastic				
 vt22615	KLV-12...to KLV60...	NL-KLV	178942	1
Nail straps metal				
 vt09320	KLV-60 Nail straps as a set in a pouch, galvanized sheet steel One set contains four nail tabs Note: Not compatible in combination with 1 to 4-row KLV	NLM-KLV	302499	1
Rotary bolt lock				
 vt23215	KLV-...	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
		UP5-KLV	302525	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
		HW5-KLV	302526	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
			TS5-KLV	302527	1
DIN-rail HLAk					
	KLV-12... to KLV-60...	DIN-rail for HLAk to snap up / down in the wall pan, galvanized sheet steel	TS-HLAk-KLV	302500	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
			GAU5-KLV	302528	1
	KLV-HW...	Spare device cover Hollow-wall	GAH1-KLV	178965	1
			GAH2-KLV	178912	1
			GAH3-KLV	178913	1
			GAH4-KLV	178914	1
			GAH5-KLV	302529	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...M...	Mounting plate, micro-perforated, galvanised sheet steel, incl. fixing screws	MIP3-KLV	178917	1
	KLV-48...M...		MIP4-KLV	178918	1
	KLV-60...M...		MIP5-KLV	302537	1
	KLV-60...HY24...		MIP2HYB-KLV	302533	1
	KLV-60...HY36...		MIP3HYB-KLV	302534	1
Rounded head screw					
	MIP3-KLV MIP4-KLV	Rounded head screw M4x8 thread-forming	EPLHS-M4X8	144028	1/100
Doors					
	KLV-...-F and 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
			T5-KLV	302538	1

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)	
Patch rail					
	KLV-36...M... KLV-48...M... KLV-60...M... Use in the media KLV instead of the upper DIN-rail, space for max. 12x RJ45 modules, galvanized sheet steel, including fixing screws	PATCH12-KLV	302531	1	
Mounting plate micro perforated					
	KLV-36...M... KLV-48...M... KLV-60...M... Use in the media KLV instead of the upper DIN-rail, mounting plate micro perforated, galvanized sheet steel, including fixing screws	MIP1-KLV	302532	1	
Partition plate Hybrid					
	KLV-60...HY... Partition plate for Hybrid KLV, incl. fixing material	VS-HYB-KLV	302530	1	
Doors with ventilation slots					
	KLV-...-F and KLV-...-SF Spare doors with ventilation slots white, without hinges and without rotary bolt lock	TM3-KLV	178923	1	
		TM4-KLV	178924	1	
		TM5-KLV	302539	1	
Door with WiFi insert					
	KLV-36...M... KLV-48...M... KLV-60...M... KLV-60...HY... Spare door white with WiFi insert and ventilation openings, without hinges and without rotary handle	TM3-W-KLV	302556	1	
		TM4-W-KLV	302557	1	
		TM5-W-KLV	302540	1	
Door frames					
	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
			TRF5-KLV	302541	1
		super flat	TRSF1-KLV	178929	1
			TRSF2-KLV	178966	1
			TRSF3-KLV	178967	1
			TRSF4-KLV	178968	1
			TRSF5-KLV	302542	1

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
Document holder				
 vt17520	KLV-60... Document holder made of stable sheet steel, powder coated RAL9016, for 5-row KLV, for mounting on the door profile	DH-KLV	302522	1
Device holder				
 vt21815	Multimedia Device holder for Multimedia Distribution Boxes, incl. fixing screws	GH-KLV	178969	1
Single and double electricity socket EURO2				
 vt21915, vt22015	Multimedia Socket with EURO2 insert and plug-in technology up to 2.5 mm ² for Multimedia Distribution Boxes, incl. fixing screws	S1-KLV	178970	1
		S2-KLV	178971	1
Holding bracket for sockets				
 vt22315	Multimedia Holding bracket for Multimedia Distribution Boxes, incl. fixing screws	HA-KLV	178972	1
Data module				
 vt22215, vt22115	RJ45 Data module for the carrier rail 1 MU, with RJ45 jack or F/IEC coaxial jack	E-DAT-RJ45	178973	1
		E-DAT-F/IEC-B	178974	1
Single rotary socket EURO2				
 vt09020	Multimedia Rotary Schuko socket EURO2 for direct mounting on the micro perforated mounting plate, 16A, 90° angle of rotation, white	S1R-KLV	300842	1
Labels sheet				
 vt17320	KLV-... Labeling sheet DIN-A4 self-adhesive with additional symbols, optionally printable with Eaton PDF editor	BSBN-KLV	302524	1
Foil for labeling strips				
 vt17420	KLV-60... Transparent foil for 5-row KLV enclosures, including paper insert strips, set of 5 pieces	FO-KLV	302523	1
	Note: Not compatible with 1 to 4 row KLV and hybrid enclosures			

For MU per rows / Number of rows

Type
Designation

Article No. Pack
(pcs.)

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

Doors sheet steel, BFZ-.TS

For surface-mounting enclosure white

VT15004



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

For flush-mounting enclosure white

VT15705



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

For surface-mounting enclosure grey

VT04305



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

For flush-mounting enclosure grey

VT20405



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

Doors sheet steel "RMQ", BFZ-OTR

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

For surface-mounting enclosure white

wa_vt48513



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

For MU per rows / Number of rows

Type
Designation

Article No.

Pack
(pcs.)

Doors transparent (sheet steel), BFZ-TT

For surface-mounting enclosure white

VT14904



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

For flush-mounting enclosure white

VT15605



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

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

For surface-mounting enclosure white

VT21005



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

For flush-mounting enclosure white

VT21105



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

For MU per rows / Number of rows

Type
Designation

Article No. Pack
(pcs.)

Accessories

Front panels blind white, BFZ-FP

VT00205



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

Front panels blind gray, BFZ-FP-G

VT00205



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

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

wa_vt03213



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

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

wa_vt03413



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

DIN rail frame (replacement), BFZ-DINS

wa_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

1.132 Compact Distribution Boxes

xComfort

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

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

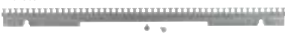
VT01205



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

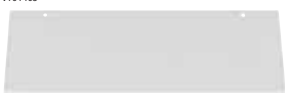
Type
Designation

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)

wa_vt05016



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

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

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

wa_vt19504



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

Type
Designation

Article No.

Pack
(pcs.)

C-profile rail for cable duct mounting (horizontal)

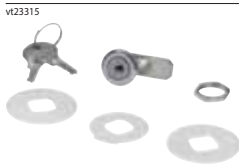
VT11008



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

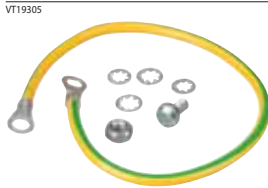
Description	Type Designation	Article No.	Pack (pcs.)
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Lock set for door



vt23915	Lock set for sheet steel door, keyed alike, incl. 2 keys	LOCK-KLV	178930	1
	Profi-Line Rotary bolt lock (only for BF-O/U-../.-E)	BFZ-LS-PLDH	110165	1

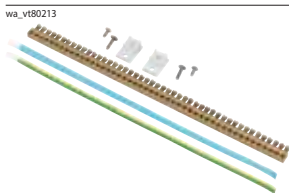
Earthing set for door, BFZ-DES



VT19305		BFZ-DES	101665	1
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Terminal-set N/PE, BFZ-TS-KL

- Max. 63 A



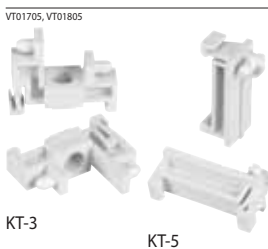
wa_vt80213	2x25 mm ² + 9x16 mm ²	BFZ-TS-KL11	293629	1
	2x25 mm ² + 13x16 mm ²	BFZ-TS-KL15	293630	1
	2x25 mm ² + 27x16 mm ²	BFZ-TS-KL29	293631	1
	2x25 mm ² + 43x16 mm ²	BFZ-TS-KL45	293632	1
	2x25 mm ² + 58x16 mm ²	BFZ-TS-KL60	293633	1
	2x25 mm ² + 74x16 mm ²	BFZ-TS-KL76	293634	1

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

- Max. 63 A

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

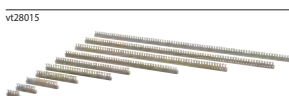
Terminal support, KT



VT01705, VT01805	horizontal	KT-3	275445	1
	vertical	KT-5	275447	1

Terminal blocks, KL

- Max. 63 A



vt28015	1x25 mm ² + 3x16 mm ²	KL-4	219723	1
	1x25 mm ² + 6x16 mm ²	KL-7	219724	1
	2x25 mm ² + 9x16 mm ²	KL-11	219725	1
	2x25 mm ² + 13x16 mm ²	KL-15	219726	1
	2x25 mm ² + 23x16 mm ²	KL-25	219727	1
	2x25 mm ² + 27x16 mm ²	KL-29	275449	1
	2x25 mm ² + 43x16 mm ²	KL-45	275450	1
	2x25 mm ² + 58x16 mm ²	KL-60	275451	1
	2x25 mm ² + 74x16 mm ²	KL-76	102066	1

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

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

wa_vt16214, wa_vt16314, wa_vt13214



BPZ-KB-4/80

BPZ-KB-6/160

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

Technical Data

	BPZ-KB-4/80		BPZ-KB-6/160		BPZ-KB-11/250	
	Rated current (A)	Torque (Nm)	Rated current (A)	Torque (Nm)	Rated current (A)	Torque (Nm)
Input terminals	1x 2.5-16 mm 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
Connection	-		lateral parallel connection possible with Cu 15x5		-	
Dimensions L x B x H (mm)	66 x 27 x 47		92 x 35 x 49		95.5 x 44.5 x 49	

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

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

wa_vt16114, wa_vt14314



BPZ-KB-8/125

BPZ-KB-11/160

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

Technical Data

	BPZ-KB-8/125		BPZ-KB-11/160	
	Rated current (A)	Torque (Nm)	Rated current (A)	Torque (Nm)
Input terminals per pole	1x 6-35 mm 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	

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

wa_vt07313



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

wa_vt14413



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






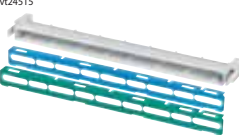


wa_vt14513



1.136 Compact Distribution Boxes

xComfort

Additional Equipment / Spare Parts BF-U(TM)-2S *)

	Description	Type Designation	Article No.	Pack (pcs.)
Lock set LOCK-KLV				
	Lock standard keyed alike, incl. rosette, mounting material, 2 keys	LOCK-KLV	178930	1
Rotary bolt lock				
	Rotary bolt lock white	DV-KLV	178943	1
Holder for terminal carrier / Empty terminal carrier				
• For suitable terminals see chapter Additional Equipment /Spare Parts KLV-...				
	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
	Empty terminal carrier suitable for up to 4x KSK-N and/or 4x KSK-PE	KSK-KLV	178905	1/10
	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
	Terminal carrier empty suitable for up to 27x screw-terminal points, incl. cover in blue and green	SK-KLV	178910	1
Hollow-wall set				
	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				
	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-...

	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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Compact Distribution Boxes

xComfort

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

Side-by-side connector set

wa_vt36313



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

- Mounting on the side of the enclosure

vt03018



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

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

wa_vt07113



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

vt13805



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

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