

xComfort Compact Distribution Boxes

Home match for a safe electrical installation system



Assortment catalog

EATON

Powering Business Worldwide



Powering electrical systems worldwide

Public and private sectors

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

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- 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

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- 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

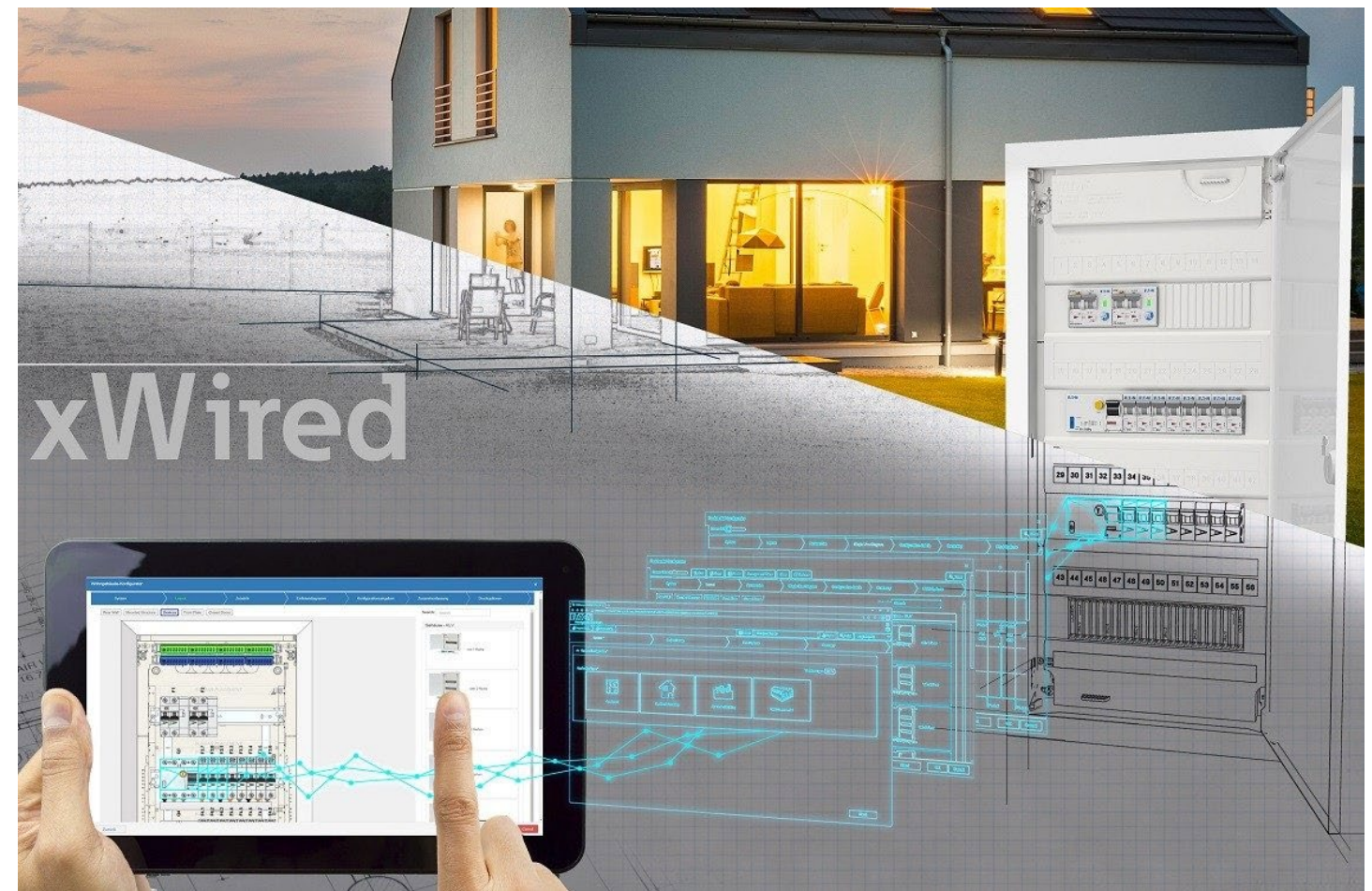
Industrial & Machinery

- Manufacturing
- Agriculture
- Construction
- Mining and metals
- Processing:
 - Petrochemicals
 - Pharmaceuticals
 - Pulp and paper
- Material handling
- Electrical distribution equipment to deliver power throughout the enterprise
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- Power and motion control products to optimize productivity, reliability, safety and operator comfort

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

We make what matters work.*



Distribution board configurator xWired for different types of buildings.

The xWired configurator from Eaton is a multifaceted, web-based configuration tool for electrical distribution systems from residential construction to small commercial buildings. Based on the electrical installations specified in the floor plan, electricians can use it to create a standard-compliant, documentation-ready system for different types of buildings in just a few steps. The tool then transmits all the necessary documents, including the parts list, the wiring and installation plan and the associated type plate.



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)

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Powering Business Worldwide

We make what matters work.

Included features

- Configurator for electrical distribution boards in residential and commercial buildings
- Simple, fast and intuitive configuration
- Clear and precise visualization
- Output of standard-compliant documentation at the push of a button
- Editable at any time
- Plug & Work - fully wired and tested by Eaton



Compact Distribution Boxes

Compact Distribution Boxes

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Flat Distribution Boards

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- BF-O surface-mounted Flat Distribution Boards, IP30 Page 133

Additional equipment

- Additional Equipment / Spare Parts Page 146



Description

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

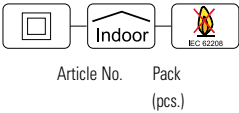
- Degree of protection IP20 or IP30
- Protection class II, totally insulated
- Either with or without a window
- 1-row; 2, 3, 4, 5 and 6 MU
- High-quality ABS plastic
- Glow wire test 650 °C
- Support rail made of plastic
- Possibility of direct fixing on the wall
- Pre-punched metric areas for cable 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.)
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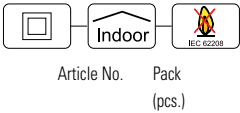
Micro Compact Distribution Boxes

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

	1 / 2	No tools required for assembly thanks to easy click-assembly	no	MICRO-2	177081	1 / 20
	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.)
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Mini Compact Distribution Boxes

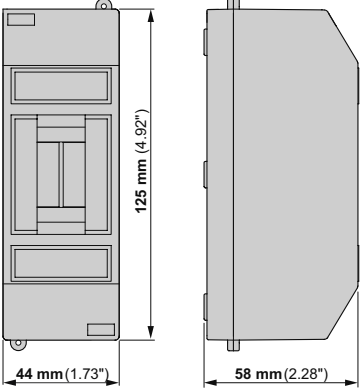
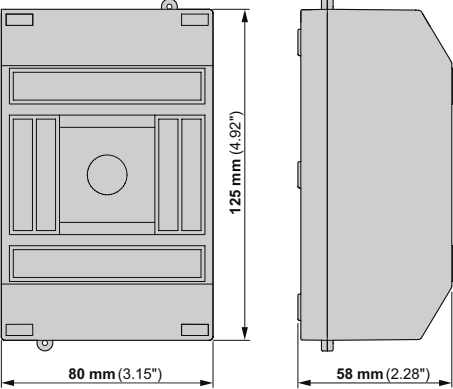
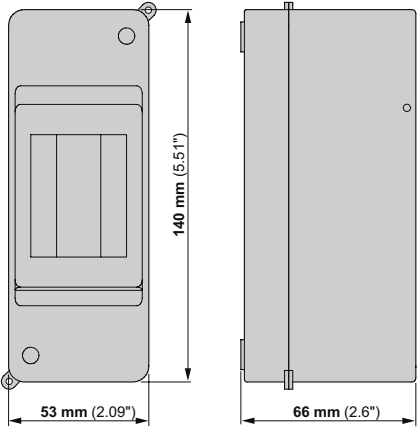
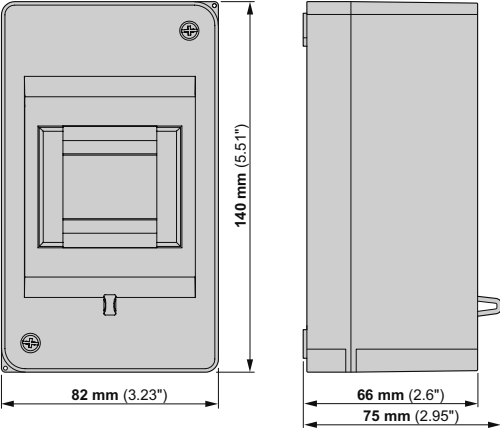
IP30 or IP20 (IK05)

- 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

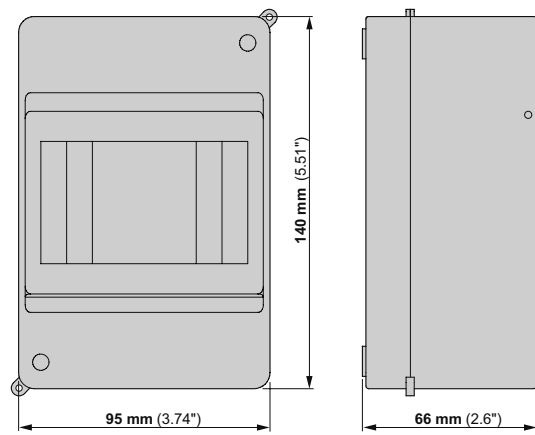
	1 / 2	without N/PE terminals	with	MINI-2-T	177071	1 / 20
			without	MINI-2	177066	1 / 20
	1 / 3	without N/PE terminals	with	MINI-3-T	177072	1 / 12
			without	MINI-3	177067	1 / 12
	1 / 4	without N/PE terminals	with	MINI-4-T	177073	1 / 12
			without	MINI-4	177068	1 / 12
	1 / 5	with N terminal 1x 16 mm ²	with	MINI-5-ST	177074	1 / 9
		without N terminal	without	MINI-5	177069	1 / 9
	1 / 6	with N/PE terminals 6x 10 mm ² + 1x 16 mm ²	with	MINI-6-ST	177075	1 / 9
		without N/PE terminals	without	MINI-6	177070	1 / 9

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

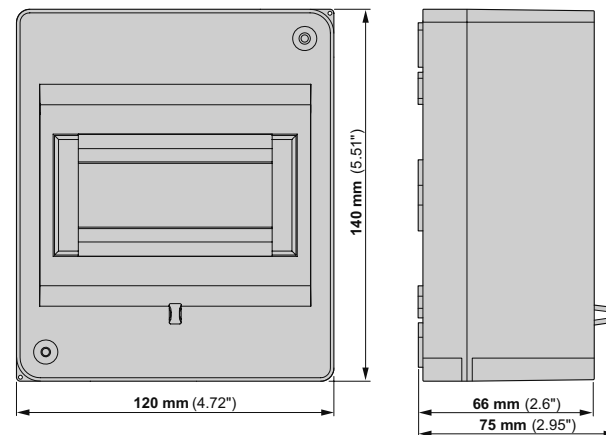
Dimensions (mm)	
MICRO-2	MICRO-4
	
MINI-2	MINI-3
	

Dimensions (mm)

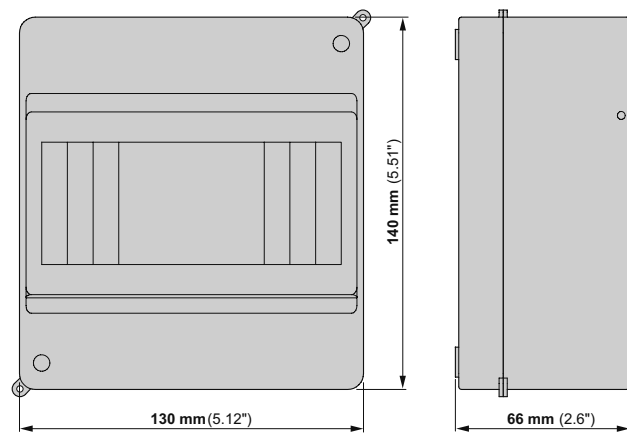
MINI-4



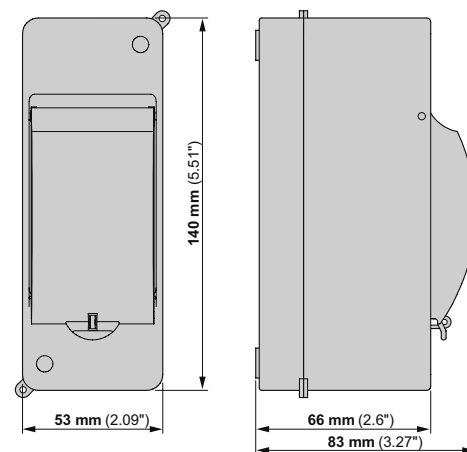
MINI-5



MINI-6

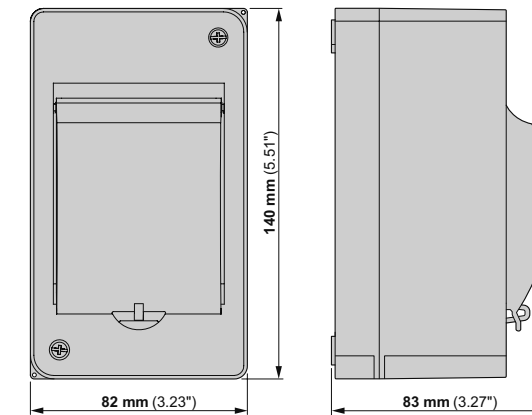


MINI-2-T

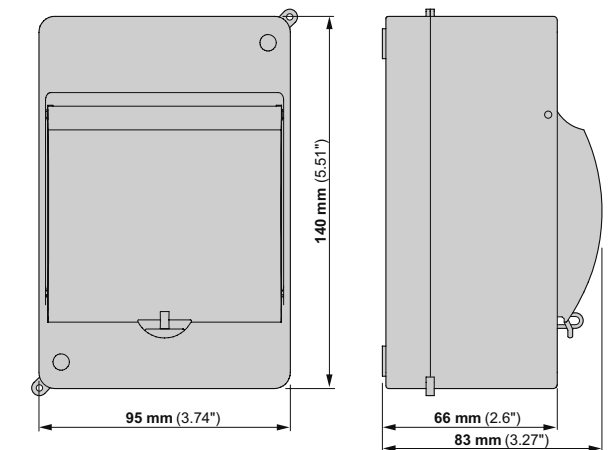


Dimensions (mm)

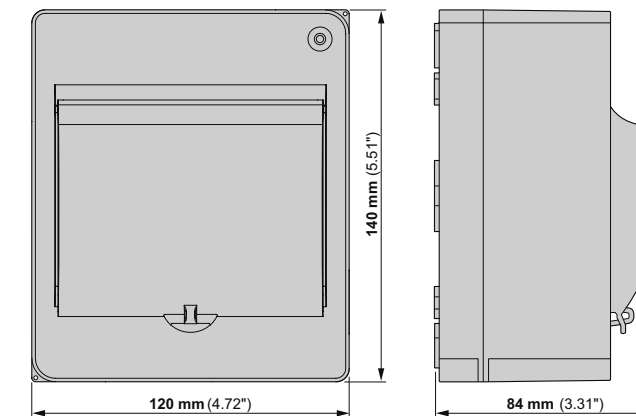
MINI-3-T



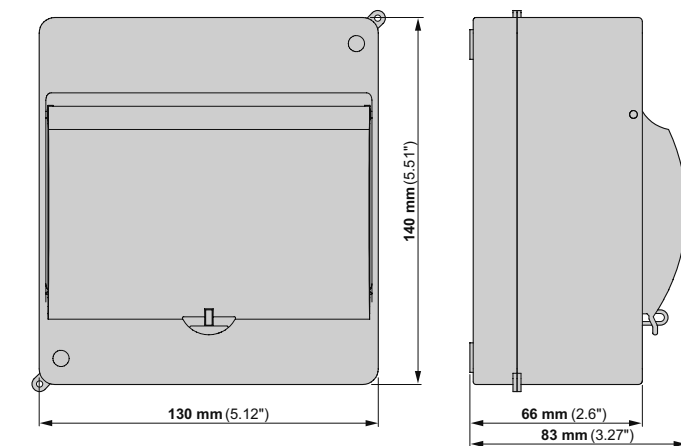
MINI-4-T



MINI-5-ST



MINI-6-ST



vt52815



vt48915



Description

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

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

ECO Compact Distribution Boxes

Type Key

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

Note: ABS = Acrylonitrile butadiene styrene

System Overview ECO

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

¹⁾ Pre-requisite for building distribution boxes from empty enclosures according to IEC/EN 61439-3
²⁾ Body and cover frame
³⁾ RAL9003

Legend ECO

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



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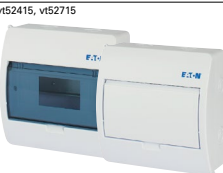
ECO Compact Distribution Boxes

IP40 (IK05)

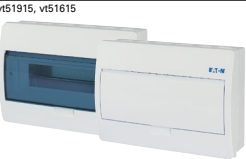
- Surface-mounted or flush-mounted
- Protection class II, totally insulated
- 1- to 3-rows, 12 and 18 module units
- Mini module with 5 and 8 module units
- Glow wire test 850 °C
- Neutral and protective conductor terminals with solid screw-type technology
- Metal support rail
- Cover can be lead-sealed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

Mini - Surface-mounted

	1 / 5	with N/PE screw-terminal 4x 10 mm² each	transparent	BC-O-1/5-ECO	280345	1
			RAL9003	BC-O-1/5-TW-ECO	281649	1

	1 / 8	with N/PE screw-terminal 8x 10 mm² each	transparent	BC-O-1/8-ECO	280346	1
			RAL9003	BC-O-1/8-TW-ECO	281690	1

12 MUs per row - Surface-mounted

	1 / 12	with N/PE screw-terminal 12x 10 mm² each	transparent	BC-O-1/12-ECO	280347	1
			RAL9003	BC-O-1/12-TW-ECO	281691	1

	2 / 24	with N/PE screw-terminal 2x (12 x 10 mm²) each	transparent	BC-O-2/24-ECO	280349	1
			RAL9003	BC-O-2/24-TW-ECO	281693	1

	3 / 36	with N/PE screw-terminal 3x (12 x 10 mm²) 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.)
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18 MUs per row - Surface-mounted

	1 / 18	with N/PE screw-terminal 18x 10 mm² each	transparent	BC-O-1/18-ECO	280348	1
			RAL9003	BC-O-1/18-TW-ECO	281692	1

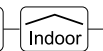
	2 / 36	with N/PE screw-terminal 2x (18 x 10 mm²) each	transparent	BC-O-2/36-ECO	280350	1
			RAL9003	BC-O-2/36-TW-ECO	281694	1

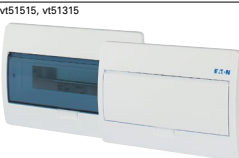
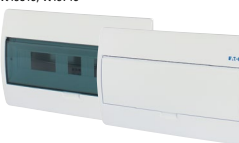
	3 / 54	with N/PE screw-terminal 3x (18 x 10 mm²) each	transparent	BC-O-3/54-ECO	280351	1
			RAL9003	BC-O-3/54-TW-ECO	281695	1

Mini - Flush-mounted

	1 / 5	with N/PE screw-terminal 4x 10 mm² each	transparent	BC-U-1/5-ECO	280352	1
			RAL9003	BC-U-1/5-TW-ECO	281696	1

	1 / 8	with N/PE screw-terminal 8x 10 mm² each	transparent	BC-U-1/8-ECO	280353	1
			RAL9003	BC-U-1/8-TW-ECO	281697	1

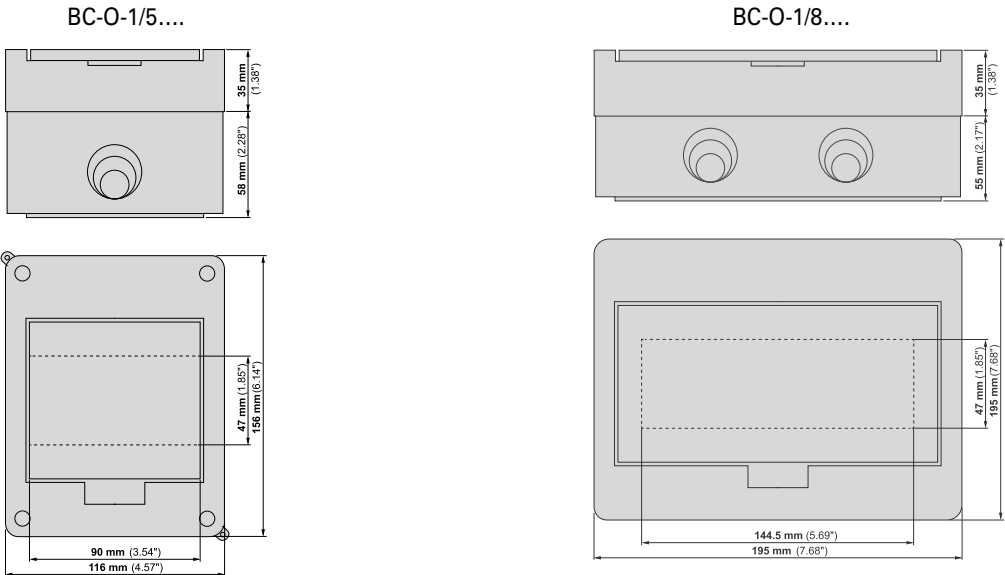
		
Indoor		
EIC 62206		

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 mm² each	transparent	BC-U-1/12-ECO	280354	1
			RAL9003	BC-U-1/12-TW-ECO	281698	1
2 / 24						
	2 / 24	with N/PE screw-terminal 2x (12 x 10 mm²) each	transparent	BC-U-2/24-ECO	280356	1
			RAL9003	BC-U-2/24-TW-ECO	281710	1
3 / 36						
	3 / 36	with N/PE screw-terminal 3x (12 x 10 mm²) 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 mm² each	transparent	BC-U-1/18-ECO	280355	1
			RAL9003	BC-U-1/18-TW-ECO	281699	1
2 / 36						
	2 / 36	with N/PE screw-terminal 2x (18 x 10 mm²) each	transparent	BC-U-2/36-ECO	280357	1
			RAL9003	BC-U-2/36-TW-ECO	281711	1

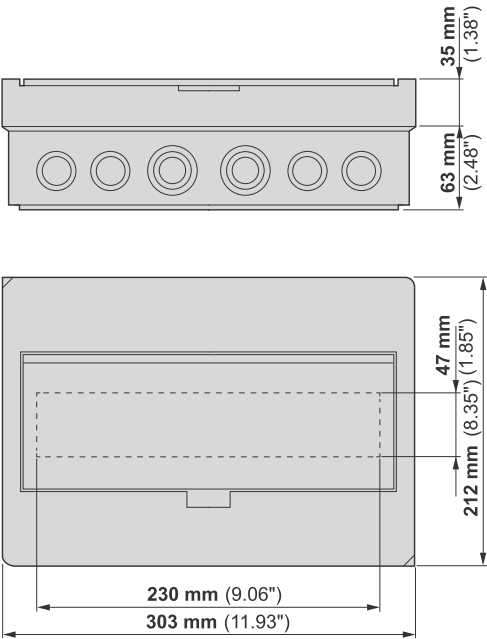
Technical Data	
ECO	
Electrical	
Version according to	IEC/EN 62208
Degree of protection	IP40 (IK05) according to EN 60529
Protection class	II, totally insulated
Rated voltage	400 V AC
Max. power loss admitted for all devices installed in the distribution box at a difference in temperature of 20 °K:	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

Dimensions (mm)

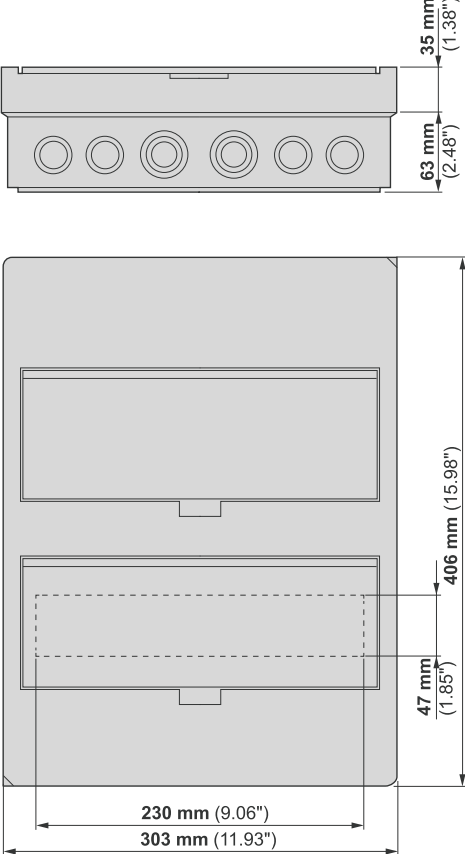
Surface-mounted Compact Distribution Boxes BC-O-...



BC-O-1/12....

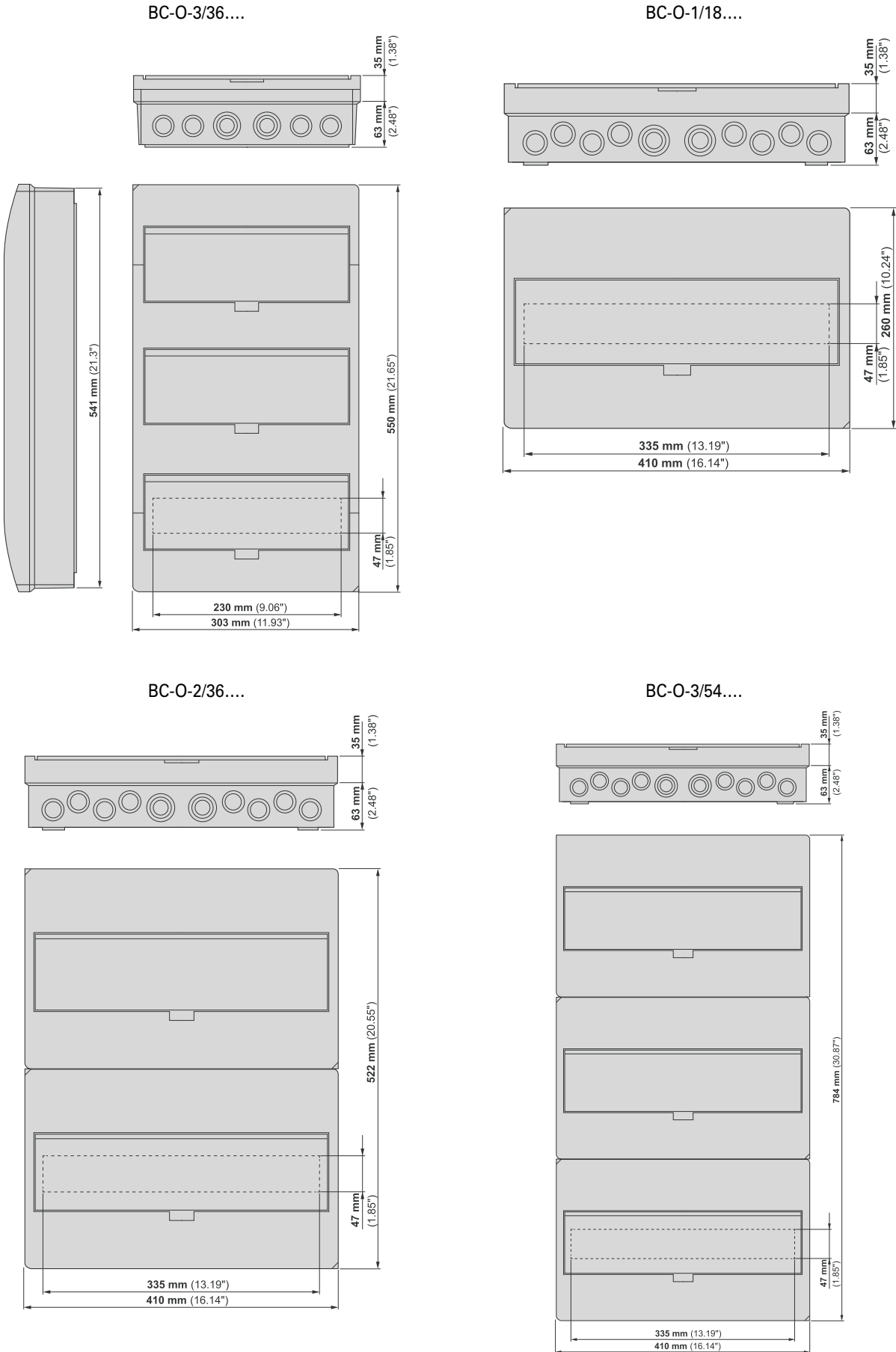


BC-O-2/24....



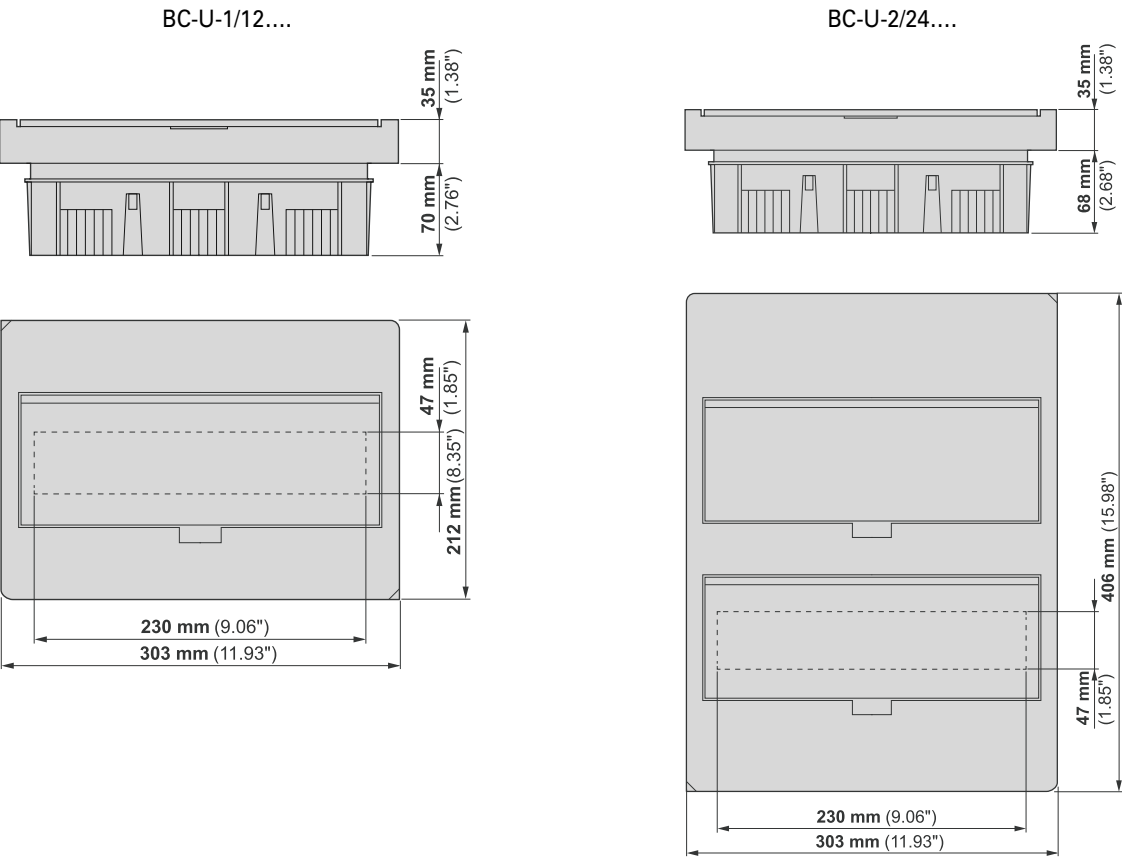
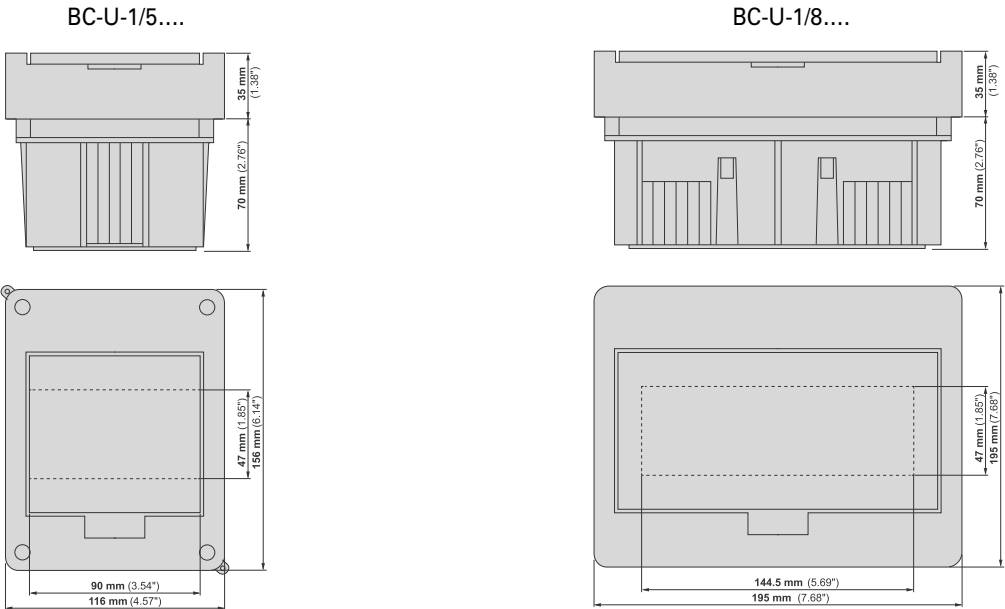
Dimensions (mm)

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



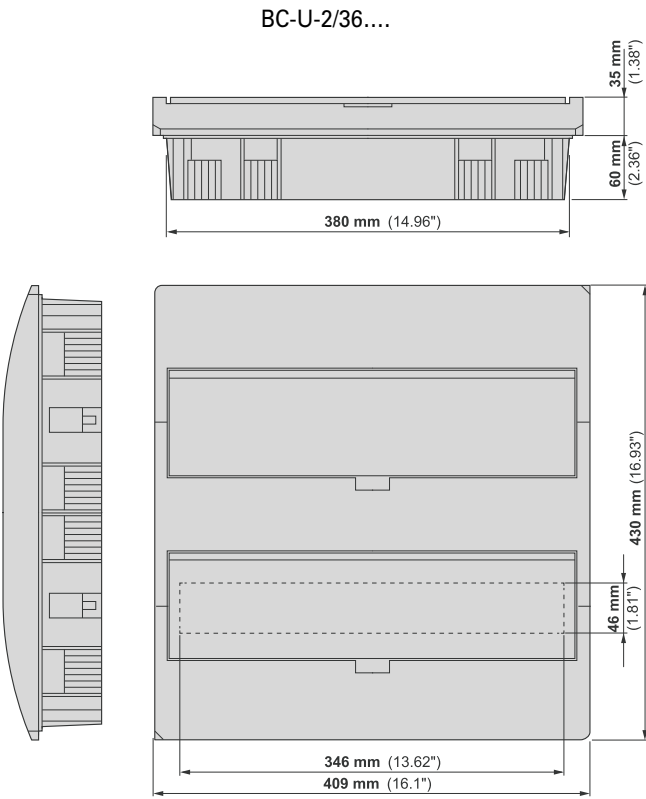
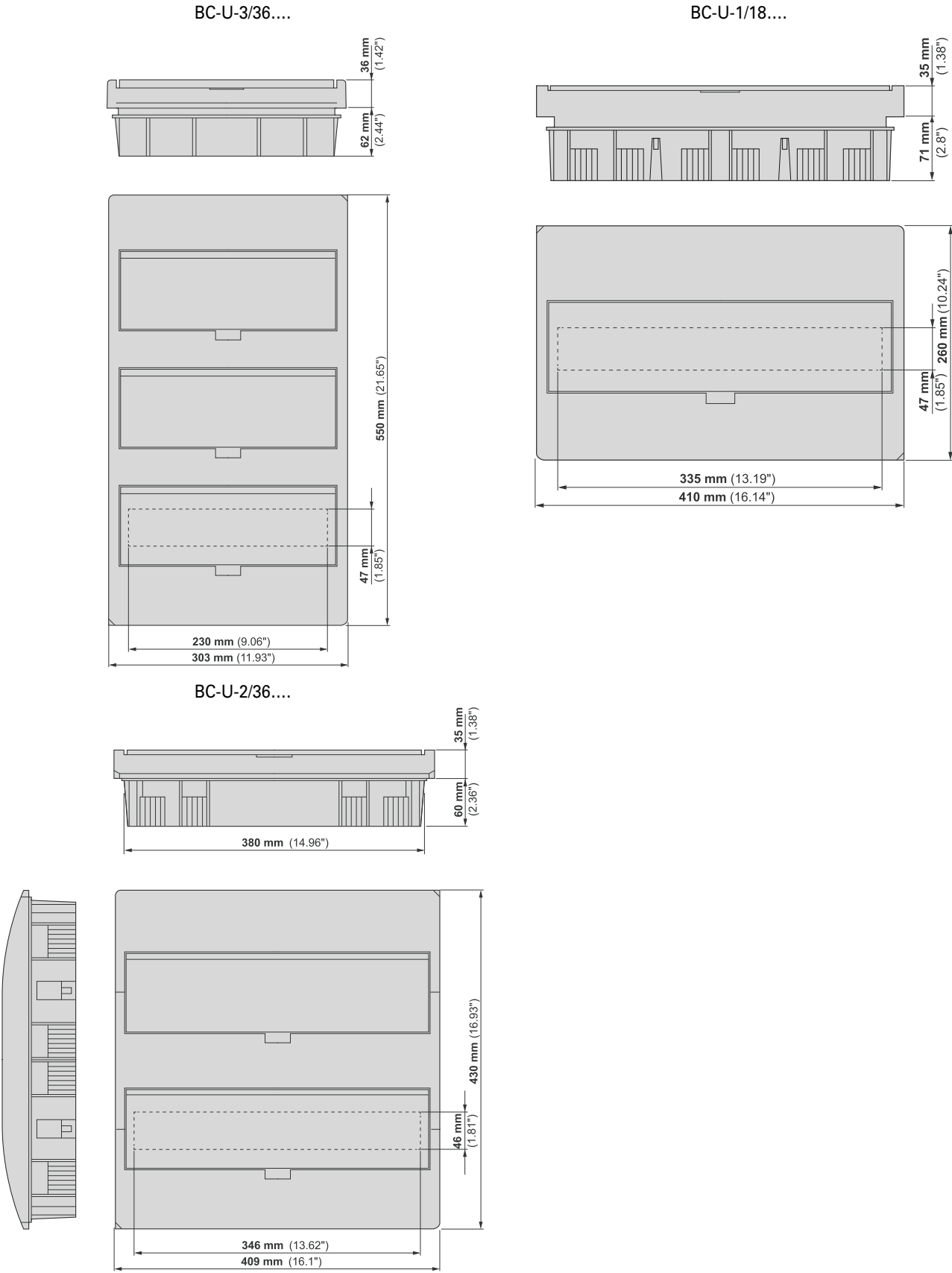
Dimensions (mm)

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



Dimensions (mm)

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



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 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_1



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 = Push-in terminal	"_ " = standard sheet steel	"_ " = without	F = flat
		24 = 2-rows	HW= Hollow-wall	S = Screw-type terminal	W = WiFi door insert	HY24 = 24 MU	
		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 push-in 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	27x 4 mm ²	5x 16 mm ²	(N) 35x 4 mm ² (PE) 35x 4 mm ²	(N) 5x 25 mm ² (PE) 5x 25 mm ²	(N) 36x 0.75 – 16 mm ² (PE) 32x 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 push-in terminal	■	■	—	—
N/PE screw-type terminal	—	—	■	■
N-FI terminal ¹⁾ (FI = RCD)	■	■	■	■
3D plaster compensation	■	■	■	■
Frame flat	■	■	■	■
Door 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

	302418_LDO	302420_LDO	302424_LDO	302422_LDO
				
	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	■	■	■	■
Rotary power socket (EURO2)	■	■	■	■
3D plaster compensation	■	■	■	■
Frame 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

	302454_LDO	302456_LDO	302458_LDO	302460_LDO
				
	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 push-in terminal	■	■	—	—
N/PE screw-type terminal	—	—	■	■
N-FI terminal (FI = RCD)	■	■	■	■
3D plaster compensation	■	■	■	■
Frame flat	■	■	■	■
Mounting plate perforated	■	■	■	■
Rotary power socket (EURO2)	■	■	■	■
Door, sheet steel ventilated, WiFi ¹⁾	■	■	■	■
Power circuit sticker	■	■	■	■

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

Indoor





Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
KLV flush-mounted/hollow-wall Compact Distribution Boards, IP30					
IP30, Flush-mounted, combined push-in terminal KSK					
• Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3 • N/PE combined push-in terminal, finger-proof IP2X with combined push-in 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, flat (F) • 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 push-in terminal KSK)					
	1 / 12+2	with 1x N/PE combined push-in terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each	flat	KLV-12UPP-F	178798 1/90
	2 / 24+4	with 1x N/PE combined push-in terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each 1x N-FI single terminal with 1x 2.5-25 mm² and 7x 0.5-4 mm²	flat	KLV-24UPP-F	178800 1/60
	3 / 36+6	with 1x N/PE combined push-in terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each with separate N-FI terminal block	flat	KLV-36UPP-F	178802 1/60
	4 / 48+8	with 1x N/PE combined push-in terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each with separate N-FI terminal block	flat	KLV-48UPP-F	178804 1/45
	5 / 60+10	with 1x N/PE combined push-in terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each plus separate N and PE terminal blocks 1x 2.5-25 mm² and 7x 0.5-4 mm² each	flat	KLV-60UPP-F	302410 1/30

Indoor





Rows / MU	Description	Version	Type Designation	Article No.	Pack (pcs.)
IP30, Hollow-wall, combined push-in terminal KSK					
• Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3 • N/PE combined push-in terminal, finger-proof IP2X with combined push-in 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, flat (F) • 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 push-in terminal KSK)					
	1 / 12+2	with 1x N/PE combined push-in terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each	flat	KLV-12HWP-F	178806 1/90
	2 / 24+4	with 1x N/PE combined push-in terminal, 2x 2.5-25 mm² each and 14x 0.5-4 mm² each 1x N-FI single terminal with 1x 2.5-25 mm² and 7x 0.5-4 mm²	flat	KLV-24HWP-F	178808 1/60
	3 / 36+6	with 1x N/PE combined push-in terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each with separate N-FI terminal block	flat	KLV-36HWP-F	178810 1/60
	4 / 48+8	with 1x N/PE combined push-in terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each with separate N-FI terminal block	flat	KLV-48HWP-F	178812 1/45
	5 / 60+10	with 1x N/PE combined push-in terminal, 4x 2.5-25 mm² each and 28x 0.5-4 mm² each plus separate N and PE terminal blocks 1x 2.5-25 mm² and 7x 0.5-4 mm² each	flat	KLV-60HWP-F	302412 1/30

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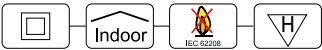
IP30, Flush-mounted, screw-type terminal

- 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 18 mm), colour RAL 9016, flat (F)
- 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)

	1 / 12+2	with 1x N/PE screw-type terminal 13x 0.75-16 mm² (N) and 13x 0.75-16 mm² (PE)	flat	KLV-12UPS-F	178814	1/90
	2 / 24+4	with 1x N/PE screw-type terminal 13x 0.75-16 mm² (N) and 16x 0.75-16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-24UPS-F	178816	1/60
	3 / 36+6	with 2x N/PE screw-type terminal 25x 0.75-16 mm² (N) and 25x 0.75-16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-36UPS-F	178818	1/60
	4 / 48+8	with 2x N/PE screw-type terminal 25x 0.75-16 mm² (N) and 25x 0.75-16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-48UPS-F	178820	1/45
	5 / 60+10	with 2x N/PE screw-type terminal 32x 0.75 - 16 mm² (N) and 32x 0.75 - 16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-60UPS-F	302414	1/30

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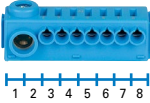
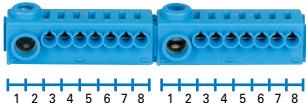
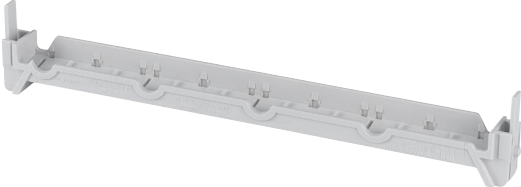
IP30, Hollow-wall, screw-type terminal

- 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 18 mm), colour RAL 9016, flat (F)
- 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)

	1 / 12+2	with 1x N/PE screw-type terminal 13x 0.75-16 mm² (N) and 13x 0.75-16 mm² (PE)	flat	KLV-12HWS-F	178822	1/90
	2 / 24+4	with 1x N/PE screw-type terminal 13x 0.75-16 mm² (N) and 16x 0.75-16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-24HWS-F	178824	1/60
	3 / 36+6	with 2x N/PE screw-type terminal 25x 0.75-16 mm² (N) and 25x 0.75-16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-36HWS-F	178826	1/60
	4 / 48+8	with 2x N/PE screw-type terminal 25x 0.75-16 mm² (N) and 25x 0.75-16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-48HWS-F	178828	1/45
	5 / 60+10	with 2x N/PE screw-type terminal 32x 0.75 - 16 mm² (N) and 32x 0.75 - 16 mm² (PE) plus separate N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-60HWS-F	302416	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 K15 K20 K25 K30 K
1/12+2	4 W7 W10 W13 W16 W
2/24+4	5 W8 W11.5 W15 W19 W
3/36+6	6 W10 W14.5 W19 W24 W
4/48+8	7 W11.5 W16.5 W21.5 W27 W
5/60+10	7 W11.5 W16.5 W21.5 W27 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 5-row
VDE	1 to 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	
vt25115	
	
1x KSK-N (PE)	
vt25215	
	
2x KSK-N (PE)	
vt25315	
	
3x KSK-N (PE)	
vt25415	
	
4x KSK-N (PE)	
vt119114	
	
KSK-KLV / KSH-H-KLV	
• High safety level thanks to finger-proof plastic encapsulation, degree of protection IP2X • N potential in blue colour, protective-conductor potential in green colour • Modular as the additional block can be plugged onto the terminal carrier without any tools to provide additional separate RCD protective circuits. Up to 4 blocks per terminal carrier, up to 4 terminal carriers in each distribution board. • Separate blocks can be interlinked using cable links. • We recommend 4 mm² (rigid or flexible with wire end sleeve). • Vertical offset for terminal carriers in the distribution board to provide easy access to the connections and easy snap-on in the distribution board.	

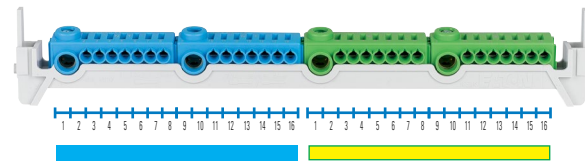
Cross sections of connections and other important information

- Per block 1x screw-type connection for 2.5-25 mm² (single-wired/multiwired) or 2.5-16 mm² (fine-wired with professionally pressed wire end sleeve).
- Per block 7x push-in 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 push-in connection is indicated on the terminal enclosure.
- Max. electrical load 63 A / 400 V AC
- Degree of protection IP2X

Technical Data - Terminals

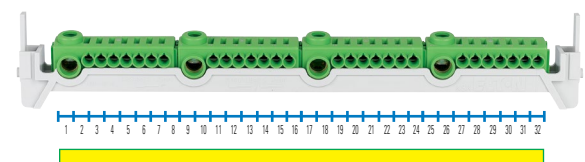
KSK-... included in the scope of delivery of the distribution board KLV-...UPP (HWP)

vt24915



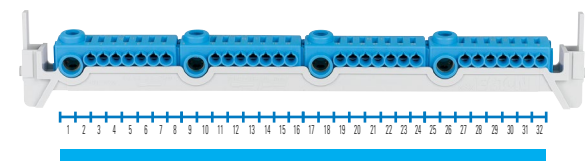
KSK-H-2N/2PE-KLV

vt25015



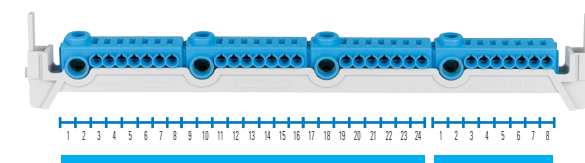
KSK-H-4PE-KLV

vt24815



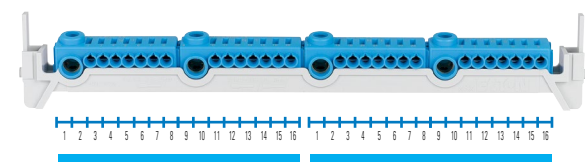
KSK-H-4N-KLV

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 push-in 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 push-in 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 push-in connection is indicated on the terminal enclosure.
- Max. electrical load 63 A / 400 V AC
- Degree of protection IP2X

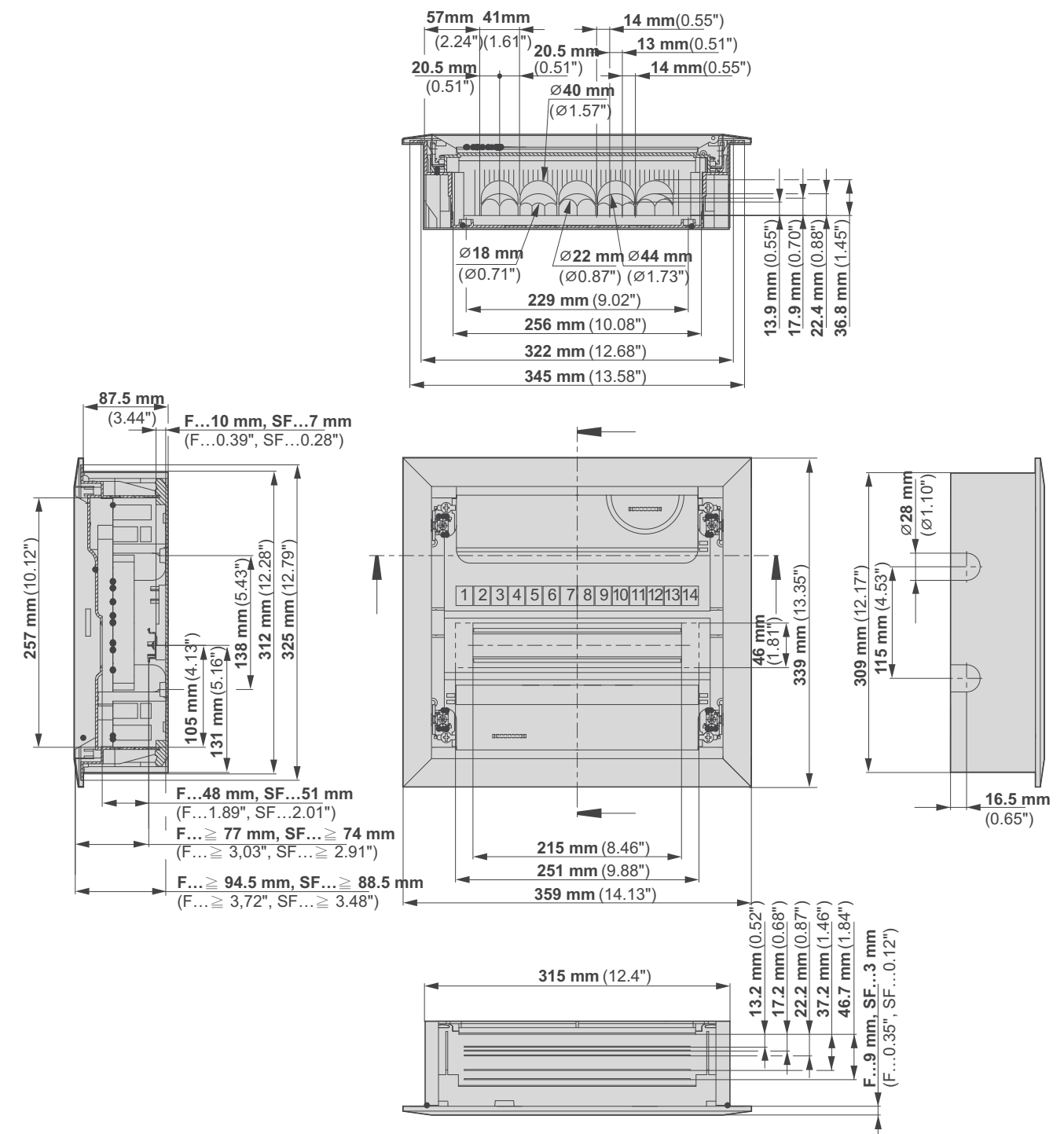
Note:

For KLV Energy versions KLV-12...; KLV-24... 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.

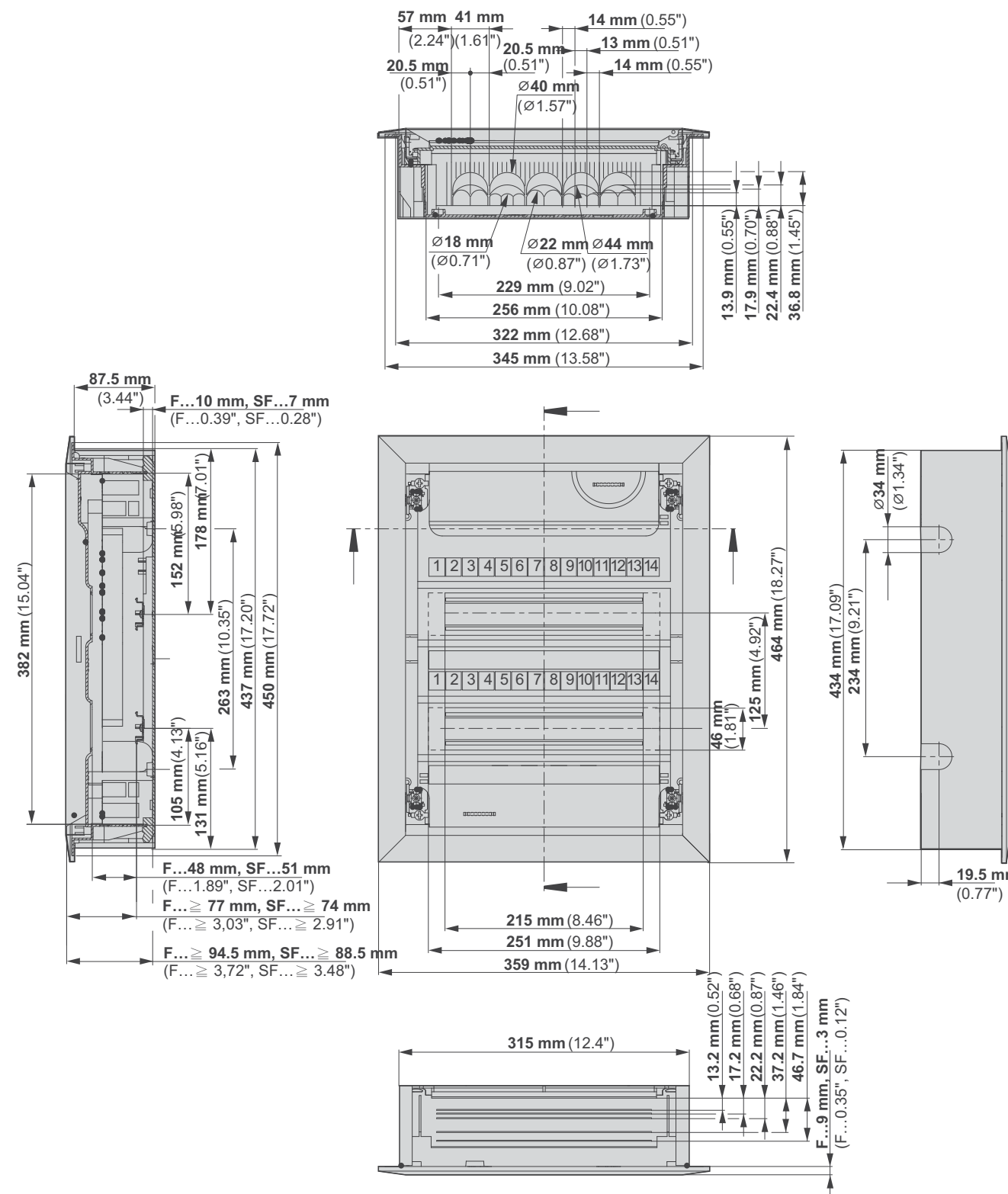
Dimensions (mm)

KLV-12...



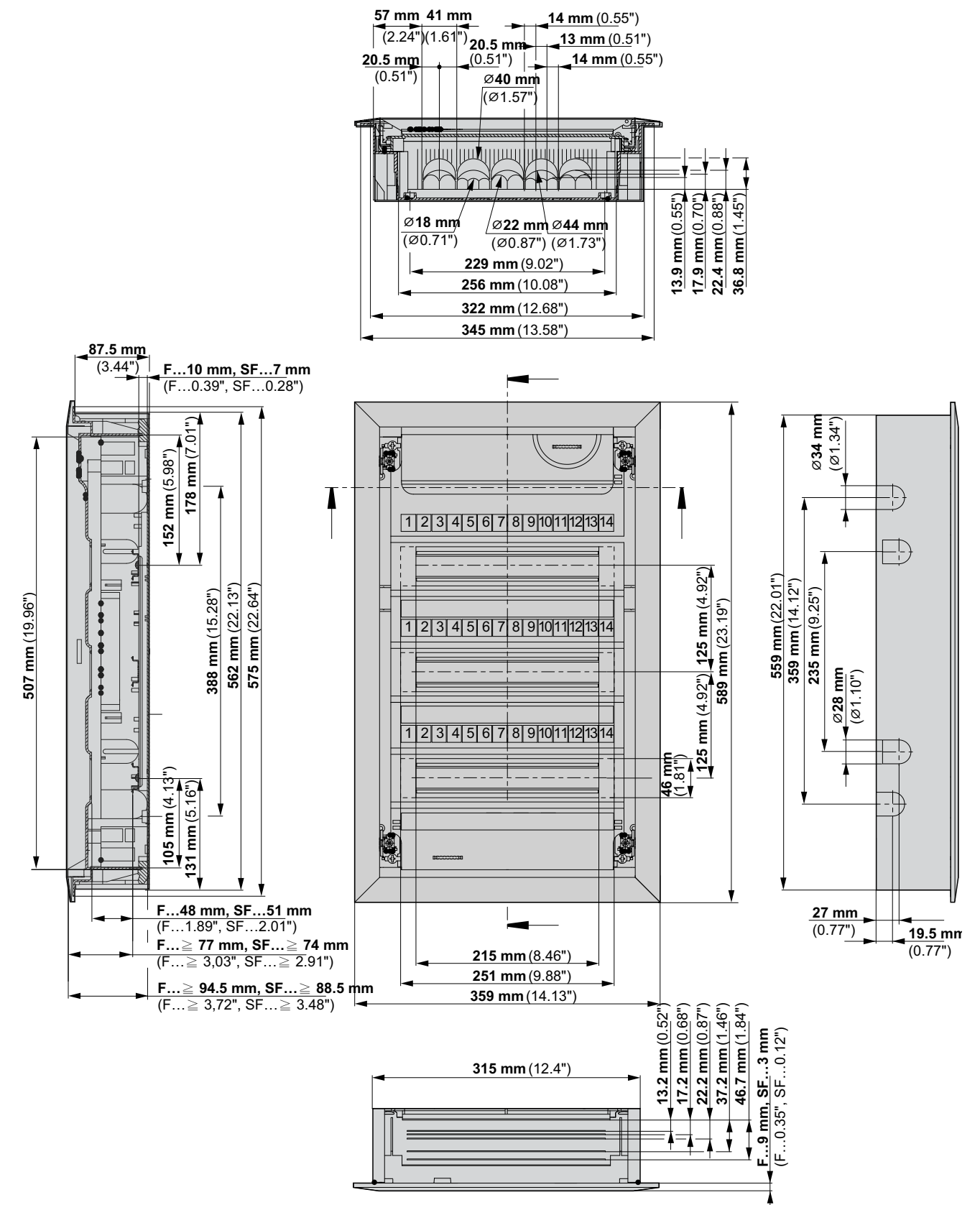
Dimensions (mm)

KLV-24...



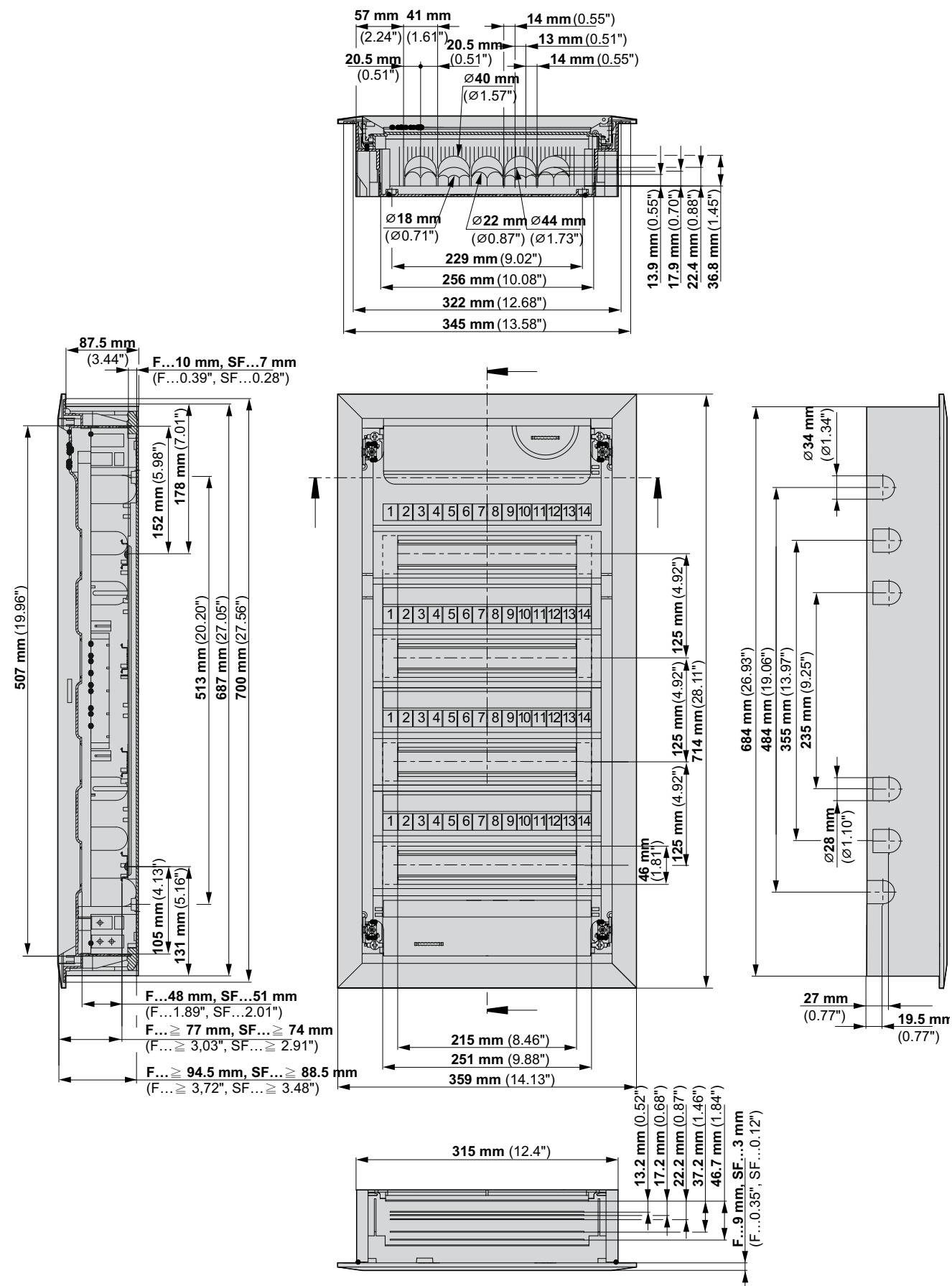
Dimensions (mm)

KLV-36...



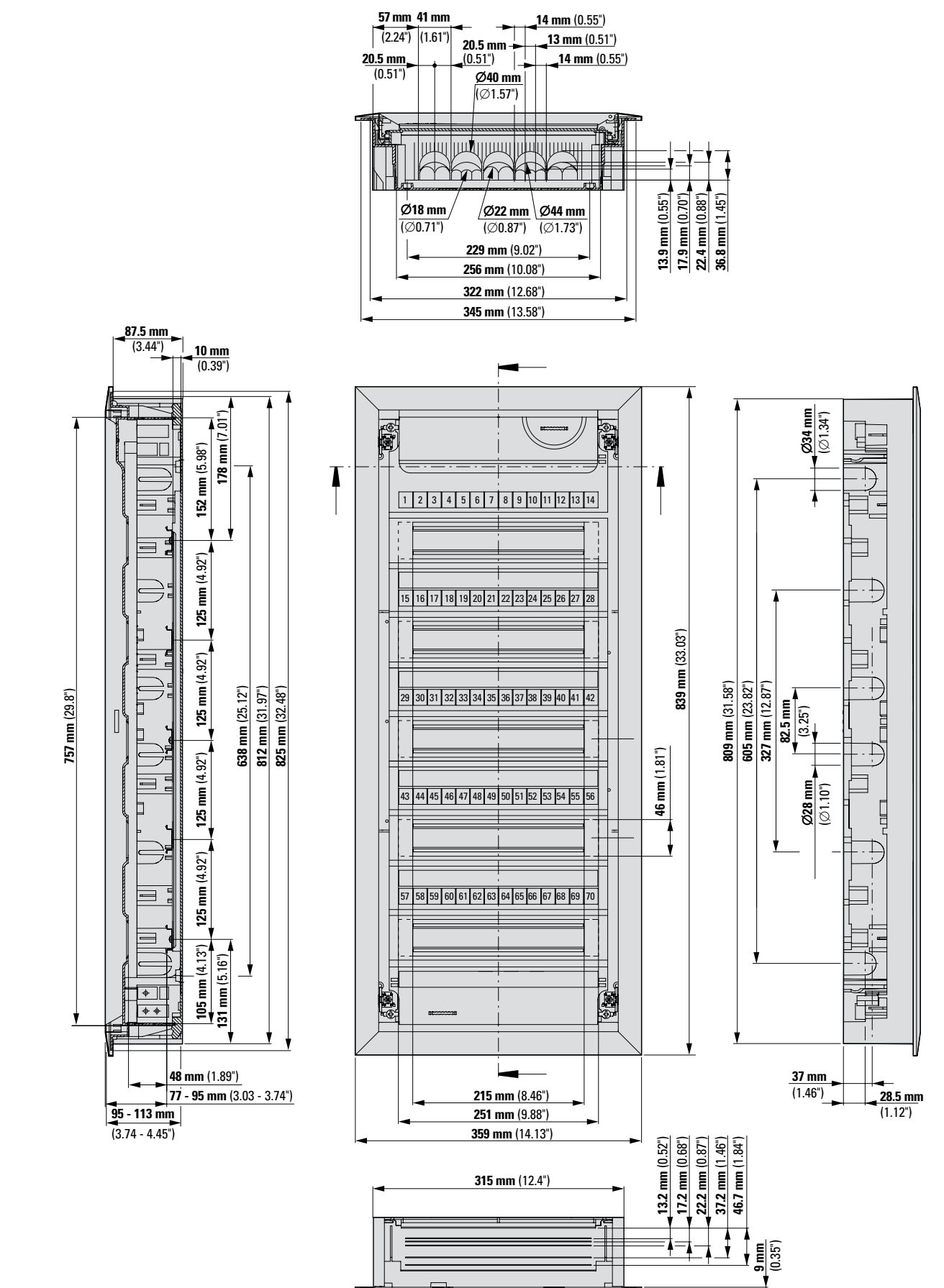
Dimensions (mm)

KLV-48...

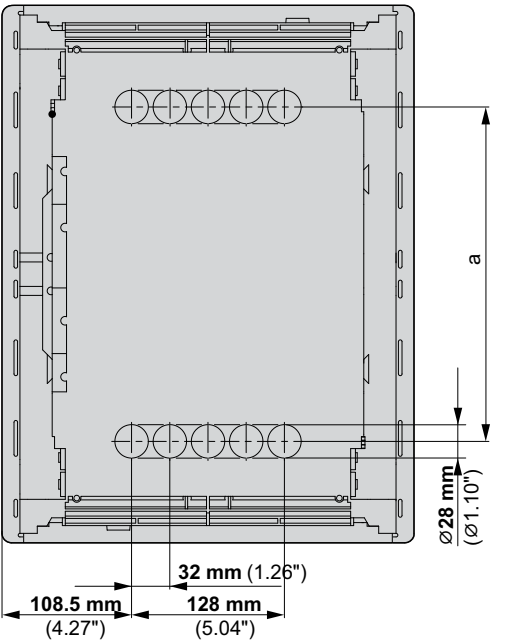


Dimensions (mm)

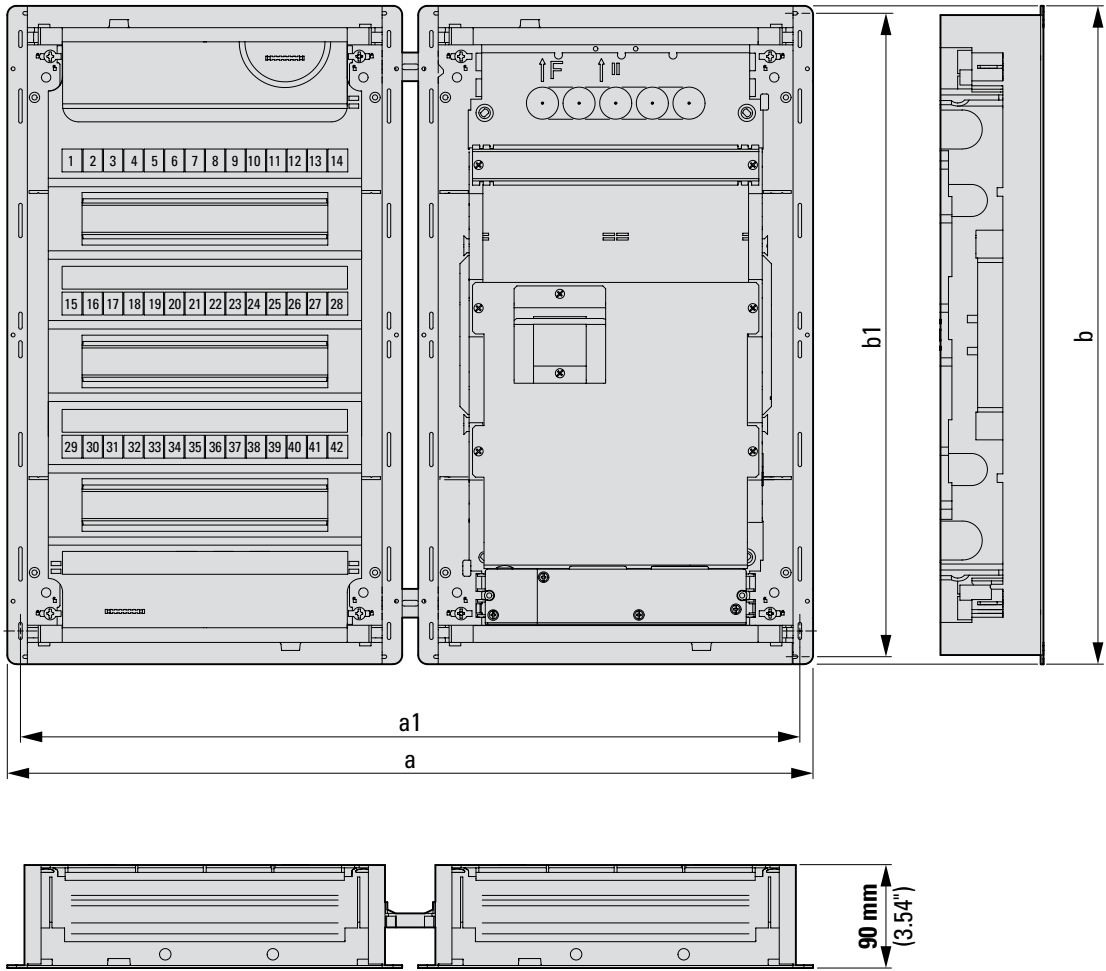
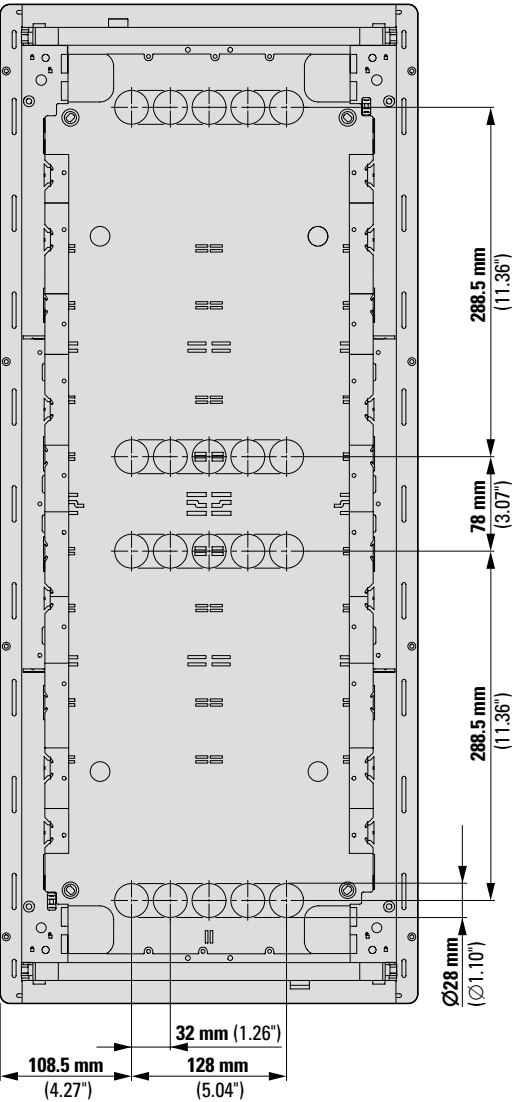
KLV-60...-F



Dimensions (mm)

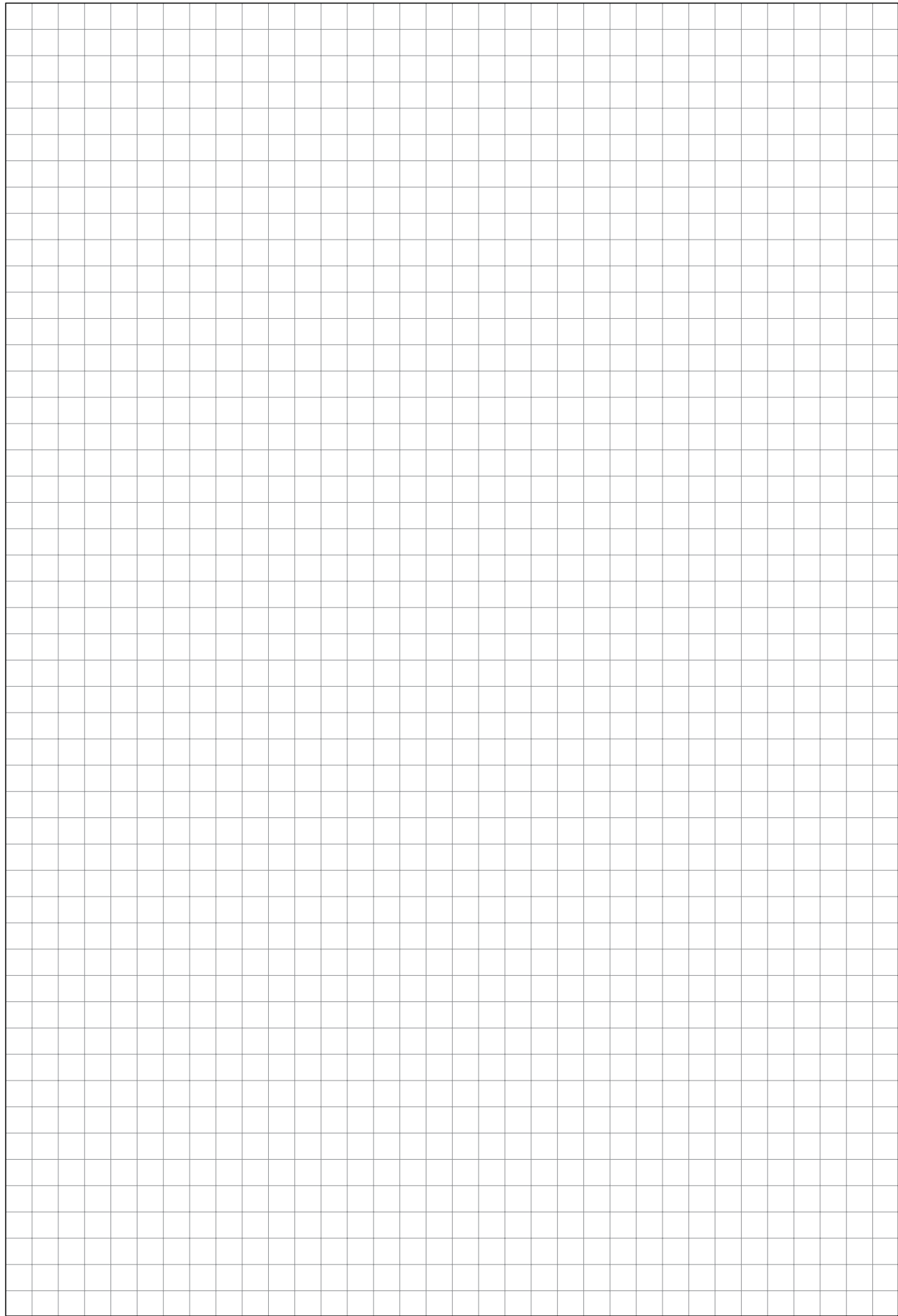


Type	a [mm]	a ["]
KLV-12...	155	6.10
KLV-24...	280	11.02
KLV-36...	405	15.94
KLV-48...	530	20.87
KLV-60...	655	25.79



	a1	b1
mm (in)		
KLV-12HW...	681 (26.81)	312 (12.28)
KLV-24HW...	681 (26.81)	437 (17.2)
KLV-36HW...	681 (26.81)	562 (22.13)
KLV-48HW...	681 (26.81)	687 (27.05)
KLV-60HW...	681 (26.81)	812 (31.97)

	a	b
mm (in)		
KLV-12UP...	704 (27.72)	325 (12.8)
KLV-24UP...	704 (27.72)	450 (17.72)
KLV-36UP...	704 (27.72)	575 (22.64)
KLV-48UP...	704 (27.72)	700 (27.56)
KLV-60UP...	704 (27.72)	825 (32.48)



302445_LDO



302439_LDO



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 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
- Rotary power socket (Euro2)
- IEC/EN 60670-24 (PD) und EN 62208



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 push-in terminal, finger-proof IP2X with combined push-in 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, flat (F)
- 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
- Rotary power socket incl. EURO2 adapter with push-in 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

302445_LDO



Flush-mounting UPP HY (push-in terminal KSK)

2 / 24+4	with 1x N/PE combined push-in terminal, 2x 2.5 - 25 mm² each and 14x 0.5 - 4 mm² each and 1x N-FI terminal with 1x 2.5 - 25 mm² and 7x 0.5 - 4 mm²	flat	KLV-60UPP-HY24-F	302426	1/30
		WiFi, flat	KLV-60UPP-W-HY24-F	302445	1/30

302437_LDO



3 / 36+6	with 1x N/PE combined push-in terminal, 4x 2.5 - 25 mm² and 28x 0.5 - 4 mm² each with separated N-FI-terminal	flat	KLV-60UPP-HY36-F	302437	1/30
		WiFi, flat	KLV-60UPP-W-HY36-F	302454	1/30

302428_LDO



Hollow-wall mounting HWP HY (push-in terminal KSK)

2 / 24+4	with 1x N/PE combined push-in terminal, 2x 2.5 - 25 mm² each and 14x 0.5 - 4 mm² each and 1x N-FI terminal with 1x 2.5 - 25 mm² and 7x 0.5 - 4 mm²	flat	KLV-60HWP-HY24-F	302428	1/30
		WiFi, flat	KLV-60HWP-W-HY24-F	302447	1/30

302439_LDO



3 / 36+6	with 1x N/PE combined push-in terminal, 4x 2.5 - 25 mm² and 28x 0.5 - 4 mm² each with separated N-FI-terminal	flat	KLV-60HWP-HY36-F	302439	1/30
		WiFi, flat	KLV-60HWP-W-HY36-F	302456	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, flat (F)
- 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
- Rotary power socket incl. EURO2 adapter with push-in 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

302430_LDO



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

2 / 24+4	with 1x N/PE screw-type terminal 13x 0.75 - 16 mm² (N) and 16x 0.75 - 16 mm² (PE) plus 1x N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-60UPS-HY24-F	302430	1/30
		WiFi, flat	KLV-60UPS-W-HY24-F	302449	1/30

302441_LDO



3 / 36+6	with 2x N/PE screw-type terminal 25x 0.75-16 mm² (N) and 25x 0.75-16 mm² (PE) plus 1x N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-60UPS-HY36-F	302441	1/30
		WiFi, flat	KLV-60UPS-W-HY36-F	302458	1/30

302433_LDO



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

2 / 24+4	with 1x N/PE screw-type terminal 13x 0.75 - 16 mm² (N) and 16x 0.75 - 16 mm² (PE) plus 1x N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-60HWS-HY24-F	302433	1/30
		WiFi, flat	KLV-60HWS-W-HY24-F	302451	1/30

302443_LDO



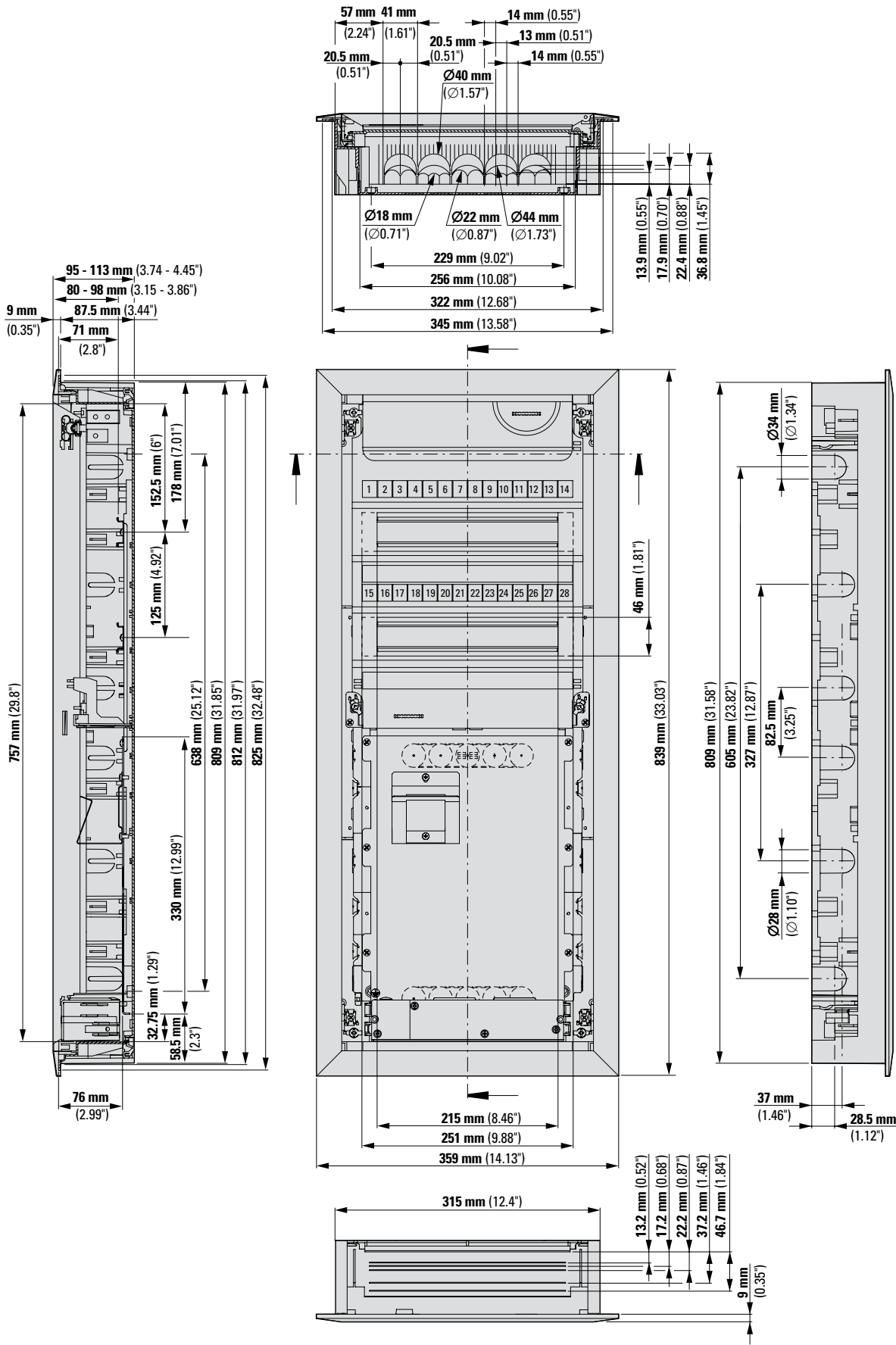
3 / 36+6	with 2x N/PE screw-type terminal 25x 0.75-16 mm² (N) and 25x 0.75-16 mm² (PE) plus 1x N-FI terminal with 2x 0.75-16 mm² and 2x 0.75-25 mm²	flat	KLV-60HWS-HY36-F	302443	1/30
		WiFi, flat	KLV-60HWS-W-HY36-F	302460	1/30

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		58 W			
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		Polystyrene			
Enclosure		Sheet steel, powder-coated with corrosion protection,			
Door/frame		(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		KLV-...HY24...; KLV-...HY36...			
VDE		KLV-...HY24...; KLV-...HY36...			
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			

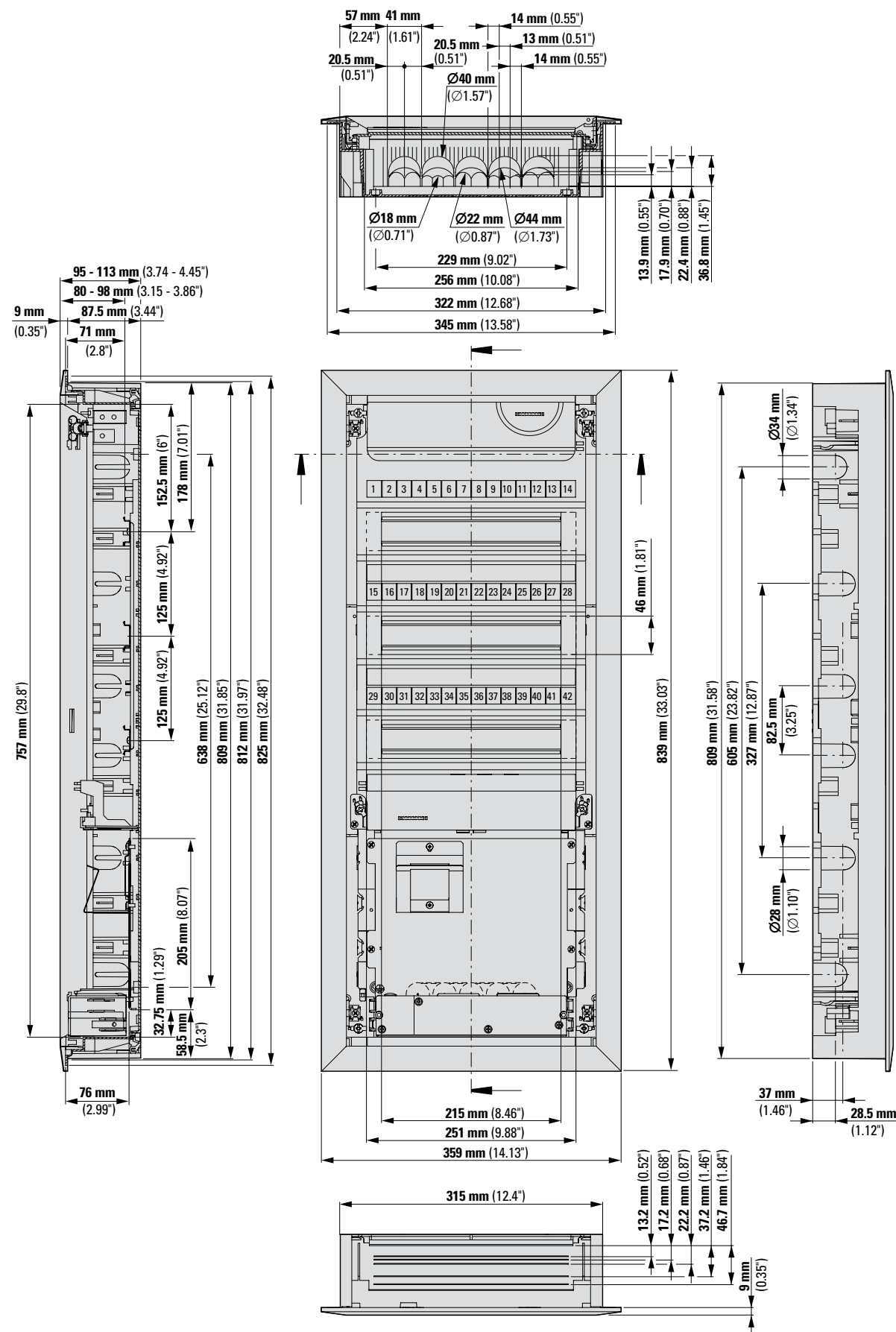
Dimensions (mm)

KLV-60...-HY24-...-F



Dimensions (mm)

KLK-60...-HY36...-F



178832_LDO 302420_LDO



Description

KLK-...UP and KLK-...HW

- 3- to 5-rows
- Hollow-wall and flush-mounted versions
- 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
- Rotary power socket (Euro2)
- 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)



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
- Rotary power socket incl. EURO2 adapter with push-in 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, flat (F)
- 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

	3 / 12+2 / 1	1st row DIN rail,	flat	KLV-36UPM-F	178830	1/60
		2nd and 3rd row with micro-perforated metal mounting plate for telecommunication devices, rotary power socket	WiFi, flat	KLV-36UPM-W-F	302543	1/60
	4 / 12+2 / 1	1st row DIN rail,	flat	KLV-48UPM-F	178832	1/45
		2nd to 4th row with micro-perforated metal mounting plate for telecommunication devices, rotary power socket	WiFi, flat	KLV-48UPM-W-F	302545	1/45
	5 / 12+2 / 1	1st row DIN rail,	flat	KLV-60UPM-F	302418	1/30
		2nd to 5th row with micro-perforated metal mounting plate for telecommunication devices, rotary power socket	WiFi, flat	KLV-60UPM-W-F	302422	1/30



Rows / DIN / MPL	Description	Version	Type Designation	Article No.	Pack (pcs.)
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Hollow-wall mounting HWM

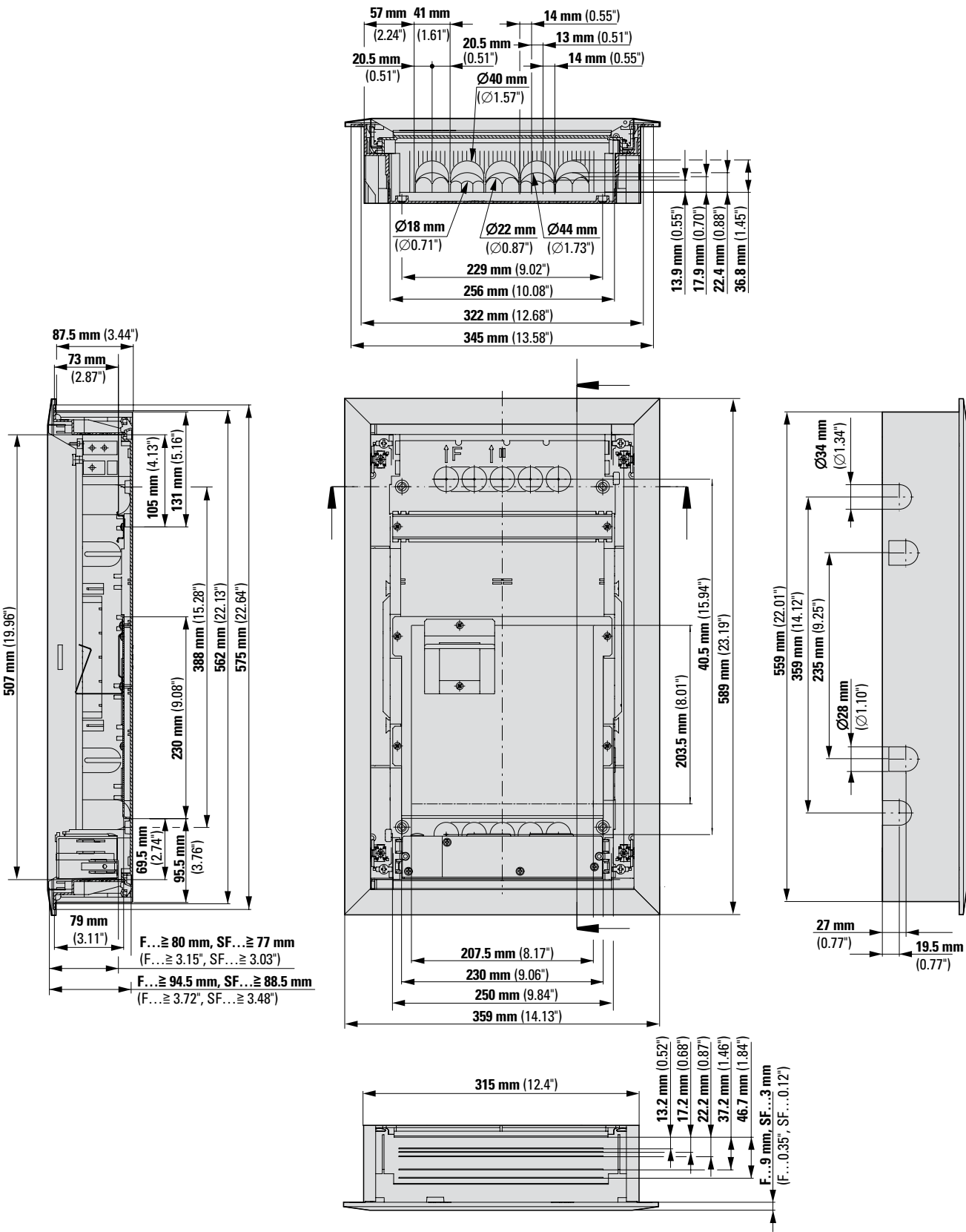
	3 / 12+2 / 1	1st row DIN rail,	flat	KLV-36HWM-F	178834	1/60
		2nd and 3rd row with micro-perforated metal mounting plate for telecommunication devices, rotary power socket	WiFi, flat	KLV-36HWM-W-F	302547	1/60
	4 / 12+2 / 1	1st row DIN rail,	flat	KLV-48HWM-F	178836	1/45
		2nd to 4th row with micro-perforated metal mounting plate for telecommunication devices, rotary power socket	WiFi, flat	KLV-48HWM-W-F	302549	1/45
	5 / 12+2 / 1	1st row DIN rail,	flat	KLV-60HWM-F	302420	1/30
		2nd to 5th row with micro-perforated metal mounting plate for telecommunication devices, rotary power socket	WiFi, flat	KLV-60HWM-W-F	302424	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 P _{de} 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 5-row
VDE	3 to 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

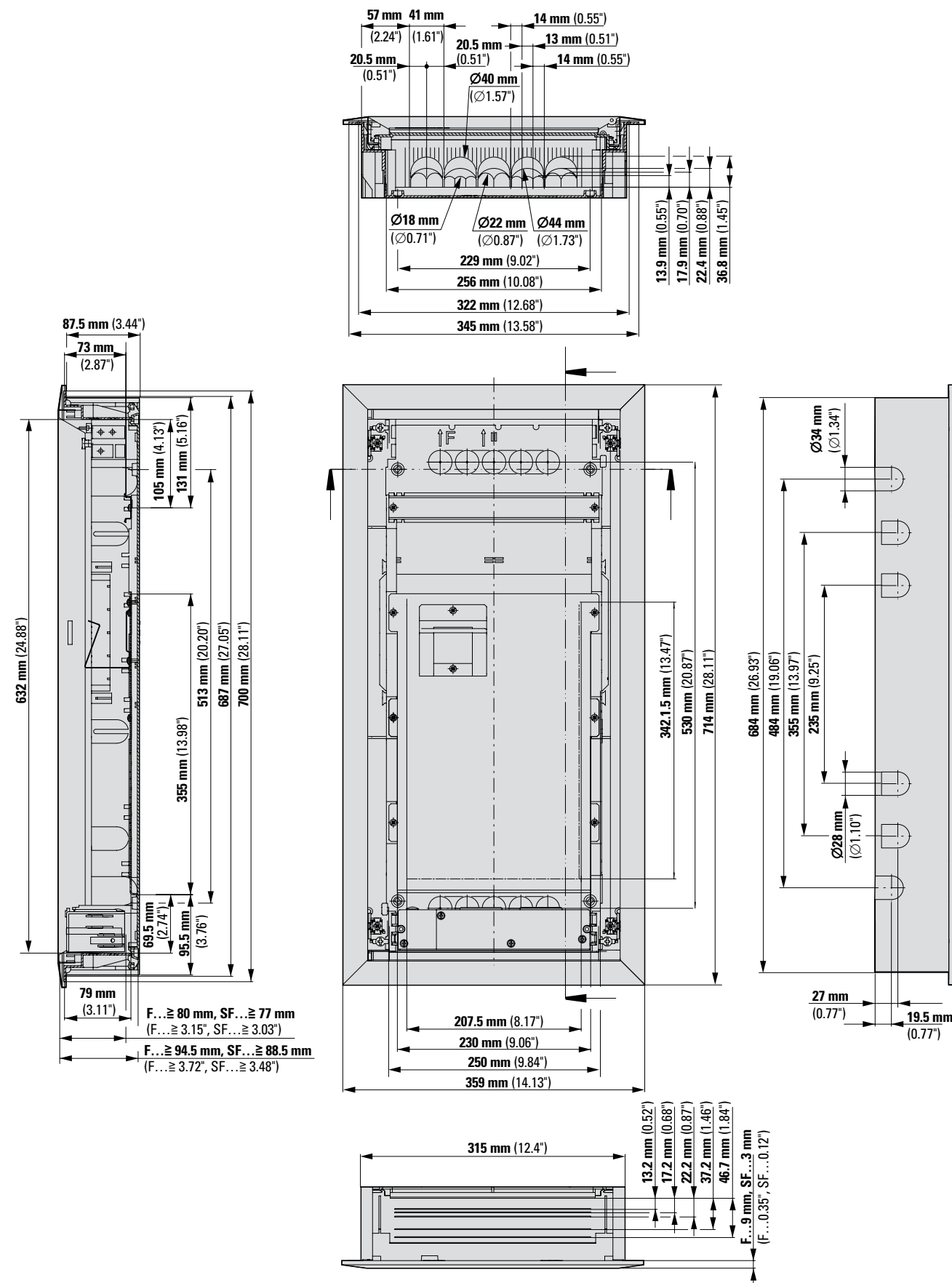
Dimensions (mm)

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



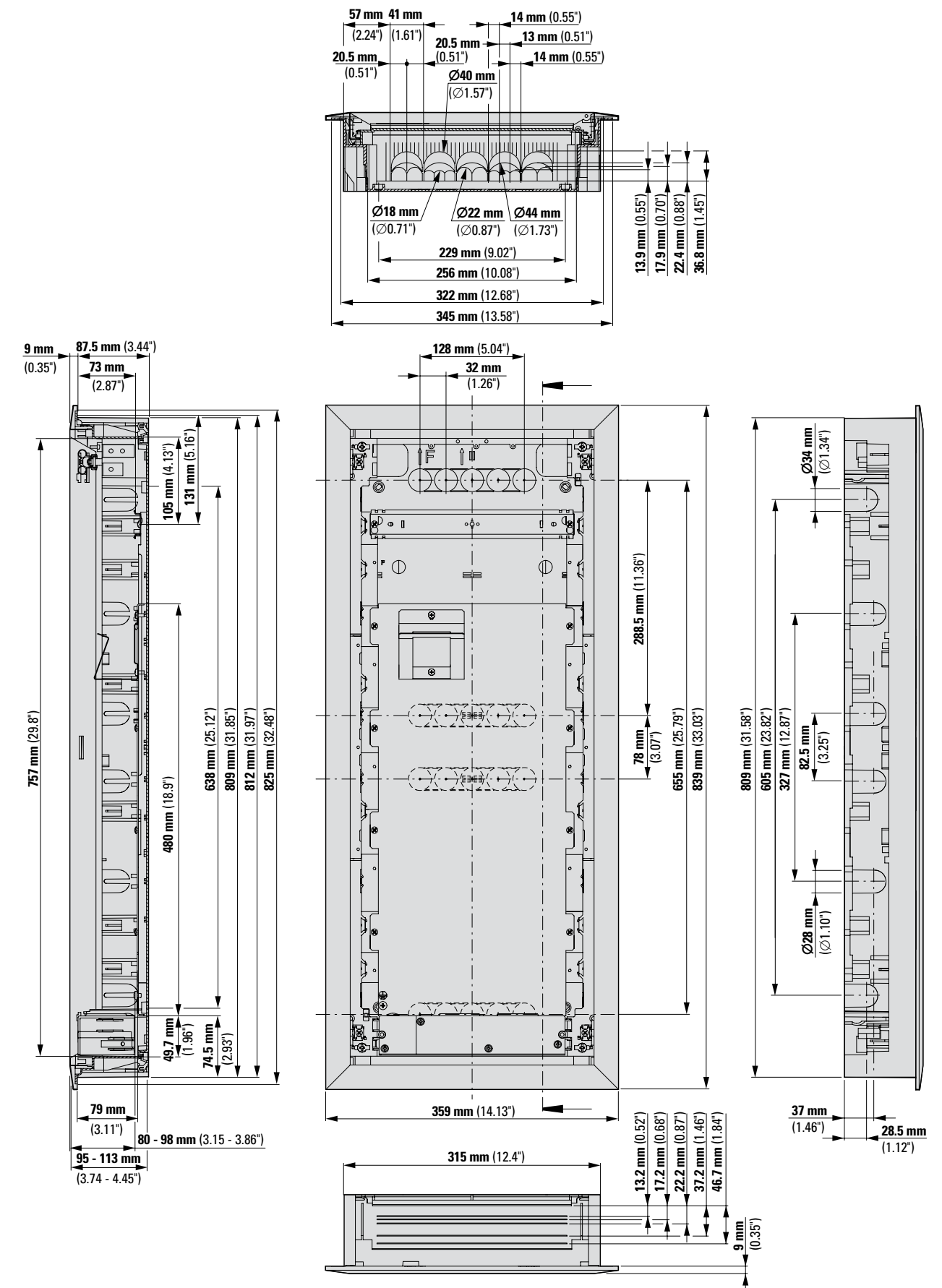
Dimensions (mm)

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



Dimensions (mm)

KLV-60...M-F



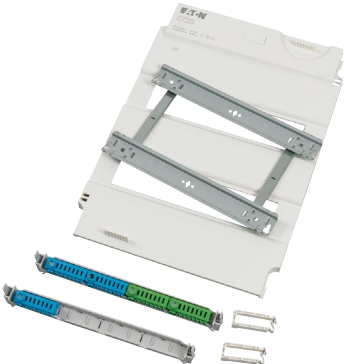
vt17015



vt17015



vt27215



vt17915



Description

KLV-...-4PR

- Same content as flush-mounted/hollow-wall or multimedia distribution boards
- Delivery form optimized for projects
- Finish in 2 or 3 steps
- N/PE combined plug-type terminals
- Multimedia

Indoor

4PR

Article No.

Pack (pcs.)

Description

Rows / MU

Type
Designation

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 with door and frame in flat design
- Technical parameters same as Compact Distribution Boxes KLV-...

Delivery Form for Projects - Wall pan

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

vt17015



vt17215



Wall pan, empty, for hollow-wall mounting with plaster protection and hollow-wall anchor, integrated spirit level, flange slide, for equipment set	1 / 12+2	KLV-HW1-4PR	178842	1/90
	2 / 24+4	KLV-HW2-4PR	178843	1/60
	3 / 36+6	KLV-HW3-4PR	178844	1/60
	4 / 48+8	KLV-HW4-4PR	178845	1/45
	5 / 60+10	KLV-HW5-4PR	302467	1/30

Delivery Form for Projects - Equipment set for flush-mounting

With DIN rail structure, door with door frame, flat (F), N-PE combined push-in 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

vt17615



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

With DIN rail structure, door with door frame, flat (F), N-PE combined push-in 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

vt27115





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

With DIN rail structure, door with door frame, flat (F), 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



Delivery Form for Projects - Equipment set for hollow-wall mounting, N-PE screw terminals

With DIN rail structure, door with door frame, flat (F), 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



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

1x DIN rail and micro-perforated metal mounting plate, door with frame, flat (F), cable and device holder, rotary power 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-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



Delivery Form for Projects - Interieur, flush-mounted

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



Delivery Form for Projects - Interieur, hollow-wall mounted

With DIN rail structure, N-PE combination push-in 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



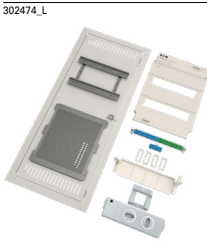
Description	Rows / MU	Type Designation	Article No.	Pack (pcs.)
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Delivery Form for Projects – Hybrid Equipment set for flush-mounting

Functional unit Energy:	5 / 24	KLV-F5UPP-HY24-4PR	302472	1/30
With DIN rail structure, door with door frame, flat (F), N-PE combined push-in terminals, stable device cover, cable holder	5 / 36	KLV-F5UPP-HY36-4PR	302476	1/30

Functional unit Media:
Micro-perforated metal mounting plate, cable and
device holder, rotary power socket



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

Functional unit Energy:	5 / 24	KLV-F5HWP-HY24-4PR	302474	1/30
With DIN rail structure, door with door frame, flat (F), N-PE combined push-in terminals, stable device cover, cable holder	5 / 36	KLV-F5HWP-HY36-4PR	302480	1/30

Functional unit Media:
Micro-perforated metal mounting plate, cable and
device holder, rotary power socket

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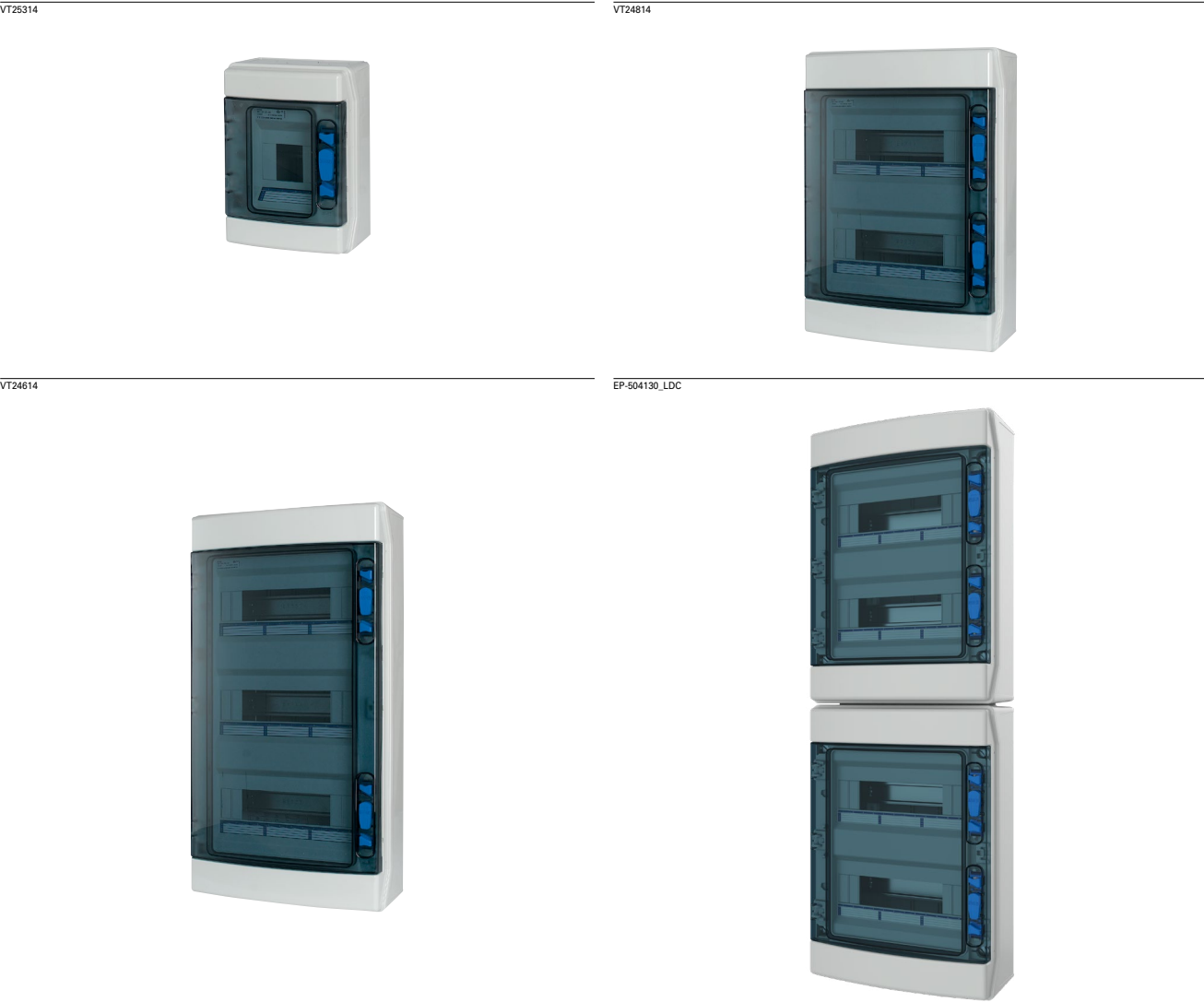


Description	Rows / MU	Type Designation	Indoor  4PR	
			Article No.	Pack (pcs.)
Delivery Form for Projects - Extérieur				
Door with door frame, flat (F), with 3D plaster compensation	1 / 12+2	KLV-F1-4PR	178874	1/90
	2 / 24+4	KLV-F2-4PR	178875	1/60
	3 / 36+6	KLV-F3-4PR	178876	1/60
	4 / 48+8	KLV-F4-4PR	178877	1/45
	5 / 60+10	KLV-F5-4PR	302490	1/30

vt119414



Door with ventilation slots and door frame, flat (F), 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



- 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 4-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		No. of Rows		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				
		4		12				
				24				
				36				
				48				
				18				
				36				
				54				
				72				

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

	EP-504132_D0	VT25614	VT25814
	IKA-.... UV (Industrial)	IKA-.... ST (Professional)	IKA-.... OT (Standard)
Bottom part (PC)	■	—	—
Bottom part (ABS)	—	■	■
Cover frame (PC)	■	—	—
Cover frame (ABS)	—	■	■
Door (PC)	■	■	■
Removable DIN support rack	■ ¹⁾	■ ¹⁾	■ ¹⁾
N/PE screw-type terminal IP2X	■	■	—
Cover for spare areas 6 MU	■	■	—
Closing screws, sealable	■	■	■
Closing caps	■	■	■
Labelling of power circuits	■	■	■
¹⁾ For compact distribution boxes containing several rows only			
PC: Polycarbonate ABS: Acrylonitrile butadiene styrene			

Outdoor

Indoor

REC 62206

UV

Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
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 4-rows, 12 and 18 module units • Mini module with 4, 6 and 8 module units • Fully removable DIN support rack in distribution boxes containing several rows • Up to 46 mm space under the DIN rail to allow for convenient laying of the cables • Module tolerance compensation integrated in the cover frame • Possibility of direct fixing on the wall, no need to drill holes into the enclosure • Depth-adjustable DIN rail, 150 mm distance between the rows • Neutral and protective conductor terminals, IP2X protection against insertion of fingers, with solid screw-technology • Fast and easy inversion of the door hinges • Side panels with pre-punched metric areas for cable entries • Intuitive locking and unlocking of doors, cylinder lock optionally with accessories • Body RAL 7035, door transparent • Glow wire test 850 °C • Halogen-free					
Mini					
VT25314	1 / 4	with 1x N/PE screw-type terminal 3x 6 + 1x 10 mm² each and 1x 35 mm² each	transparent	IKA-1/4-ST-UV	174187 1
VT25214	1 / 6	with 1x N/PE screw-type terminal 3x 6 + 1x 10 mm² each and 1x 35 mm² each	transparent	IKA-1/6-ST-UV	174188 1
VT25114	1 / 8	with 1x N/PE screw-type terminal 5x 6 + 3x 10 mm² each and 1x 35 mm² each	transparent	IKA-1/8-ST-UV	174189 1
12 MUs per row					
VT25014	1 / 12	with 1x N/PE screw-type terminal 6x 6 + 6x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-1/12-ST-UV	174190 1
VT24814	2 / 24	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-2/24-ST-UV	174191 1
VT24614	3 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-3/36-ST-UV	174192 1

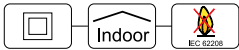
Outdoor

Indoor

REC 62206

UV

Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
12 MUs per row					
EP-504130_LDC	4/48	with 2x N/PE screw-type terminal 16x 6 + 16x 10 mm² each and 2x 25 + 2x 35 mm² each	transparent	IKA-4/48-ST-UV	EP-504131 1
18 MUs per row					
VT24914	1 / 18	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-1/18-ST-UV	174193 1
VT24714	2 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-2/36-ST-UV	174194 1
VT24514	3 / 54	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-3/54-ST-UV	174195 1
EP-504133_LDC	4/72	with 4x N/PE screw-type terminal 2x (12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each)	transparent	IKA-4/72-ST-UV	EP-504134 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 4-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

EP-504135_LDC	1/4	with 1x N or PE screw-type terminal 5x 25 mm² + 1x 35 mm²	transparent	IKA-M-1/4-ST	EP-504135	1
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VT25314	1 / 4	with 1x N/PE screw-type terminal 3x 6 + 1x 10 mm² each and 1x 35 mm² 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 mm² each and 1x 35 mm² 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 mm² each and 1x 35 mm² 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 mm² each and 1x 25 + 1x 35 mm² 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 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-2/24-ST	174198	1
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Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
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12 MUs per row

VT24614	3 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-3/36-ST	174199	1
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EP-504130_LDC	4/72	with 2x N/PE screw-type terminal 16x 6 + 16x 10 mm² each and 2x 25 + 2x 35 mm² each	transparent	IKA-4/48-ST	EP-504130	1
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18 MUs per row

VT24914	1 / 18	with 1x N/PE screw-type terminal 8x 6 + 8x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-1/18-ST	174200	1
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VT24714	2 / 36	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-2/36-ST	174201	1
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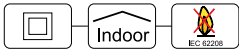


VT24514	3 / 54	with 2x N/PE screw-type terminal 12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each	transparent	IKA-3/54-ST	174202	1
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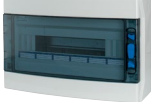
EP-504133_LDC	4/72	with 4x N/PE screw-type terminal 2x (12x 6 + 12x 10 mm² each and 1x 25 + 1x 35 mm² each)	transparent	IKA-4/72-ST	EP-504133	1
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Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
IKA-...OT Compact Distribution Boxes, 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 4-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					
	1 / 4	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/4-OT	174203 1
	1 / 6	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/6-OT	174204 1
	1 / 8	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/8-OT	174205 1
12 MUs per row					
	1 / 12	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-1/12-OT	174206 1
	2 / 24	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-2/24-OT	174207 1
	3 / 36	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-3/36-OT	174208 1



Rows / MU	Description	Door	Type Designation	Article No.	Pack (pcs.)
12 MUs per row					
	4/48	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-4/48-OT	EP-504129 1
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
	4/72	no neutral and protective conductor terminals, no cover for spare areas	transparent	IKA-4/72-OT	EP-504132 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:	
M-1/4	6.2 W
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
4/48	61.9 W
1/18	35.3 W
2/36	47.6 W
3/54	59.6 W
4/72	76.3 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-M-1/4	Top:1xM25
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-4/48...	Top: 8xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 8xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 8xM25 Rear panel: 4x(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)
IKA-4/72...	Top: 12xM20 + 6xM25 + 2xM32 + 1xM40 Bottom: 12xM20 + 6xM25 + 2xM32 + 1xM40 Side panel: 8xM25 Rear panel: 4x(1xM25 +1xM32 + 1xM25)

Max. connection cross-sections and assembly of the N/PE screw terminals		
	N [mm²]	PE [mm²]
IKA-M-1/4...	5x 10 - 25 + 1x 16 - 35	--
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-4/48...	16x 2.5 - 6 + 16x 4 - 10 + 2x 10 - 25 + 2x 16 - 35	16x 2.5 - 6 + 16x 4 - 10 + 2x 10 - 25 + 2x 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
IKA-4/72...	2x (12x 2.5 - 6 + 12x 4 - 10 + 1x 10 - 25 + 1x 16 - 35)	2x (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 = splited mounting option

System Overview IKA-C surface-mounted Compact Distribution Boxes

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

¹⁾ Pre-requisite for building distribution boxes from empty enclosures according to IEC/EN 61439-3
²⁾ Body and cover frame, door is transparent

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

	VT34016	VT33716
	IKA-C-...-X	IKA-C-...-LID
Bottom part (PC)	—	—
Bottom part (ABS)	■	■
Cover frame (PC)	—	—
Cover frame (ABS)	■	■
Door (PC)	■	■
Removable DIN rail	■	■
N/PE screw-type terminal IP2X	■	■
Cover for spare areas	■	■
Closing screws, sealable	■	■
Closing caps	■	■
Labelling of power circuits	■	■
Complete connection plate	■	—
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.)
Indoor IEC 62208					
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
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
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
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

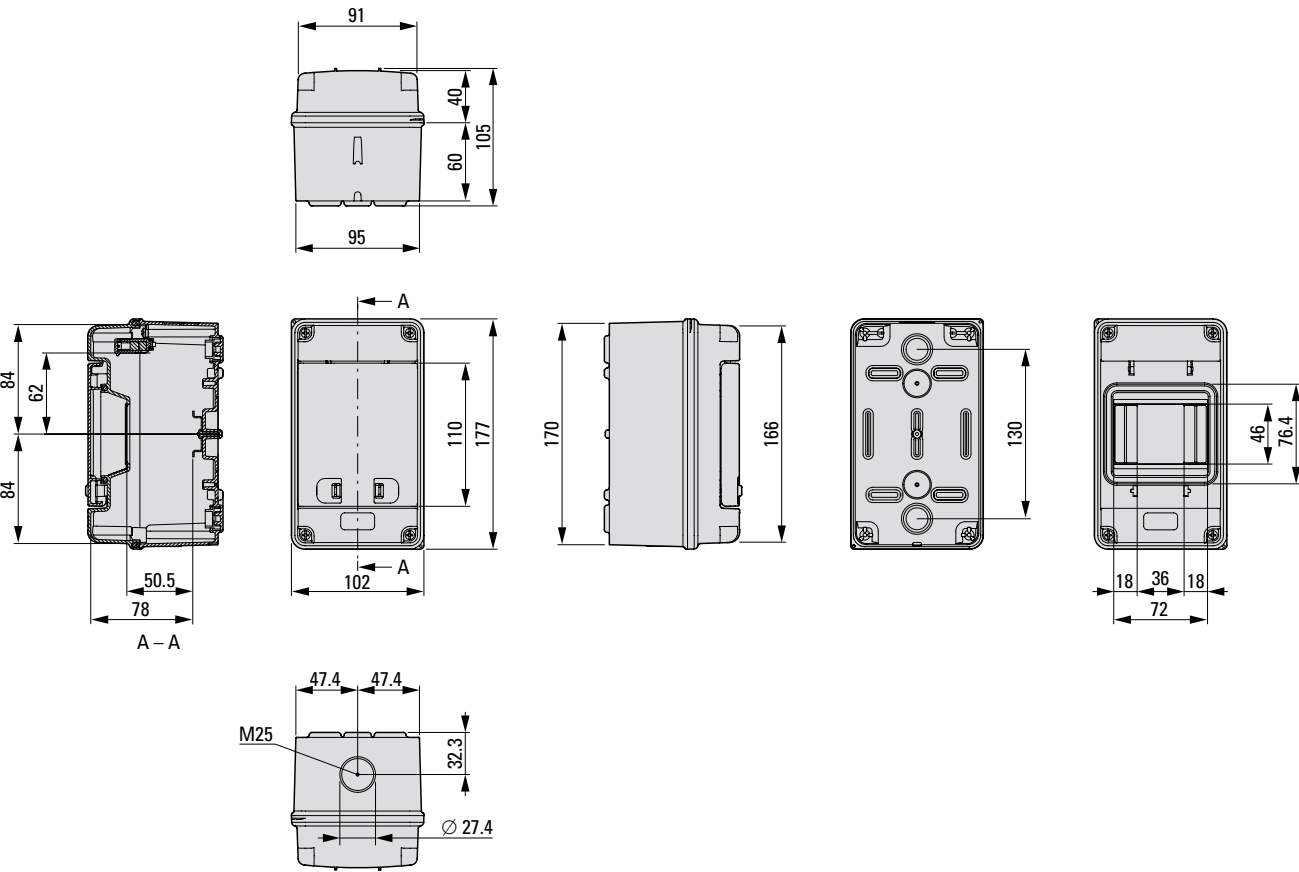
Technical Data	
IKA-C	
Electrical	
Version according to	IEC/EN 62208
Degree of protection	IP65 (IK08) according to EN 60529
Protection class	II, totally insulated
Rated voltage	415 V AC
Insulation voltage	1000 V AC, 1500 V DC
Max. power loss admitted for all devices installed in the distribution box, 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

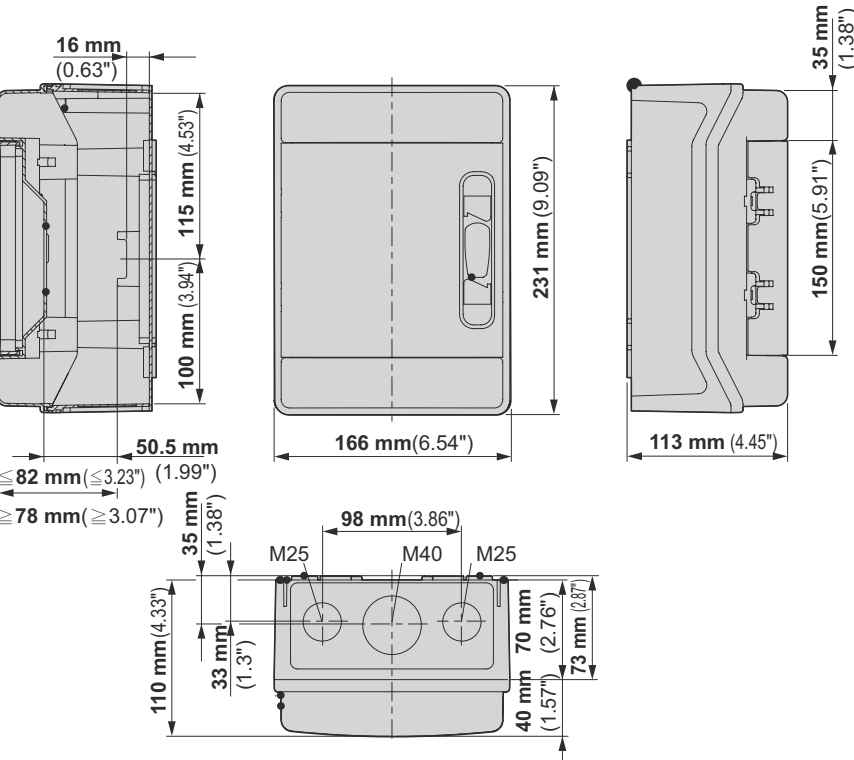
	[mm ²]
IKA-C-1/12...	8x 4.5 each + 8x 5.5 and 1x 7.5 + 1x 8.5 each
IKA-C-1/18...	8x 4.5 each + 8x 5.5 and 1x 7.5 + 1x 8.5 each
Note: Tightening torque values [Nm] of the N/PE screw terminals are directly indicated on the terminal enclosure.	

Dimensions (mm)

IKA-M-1/4-ST

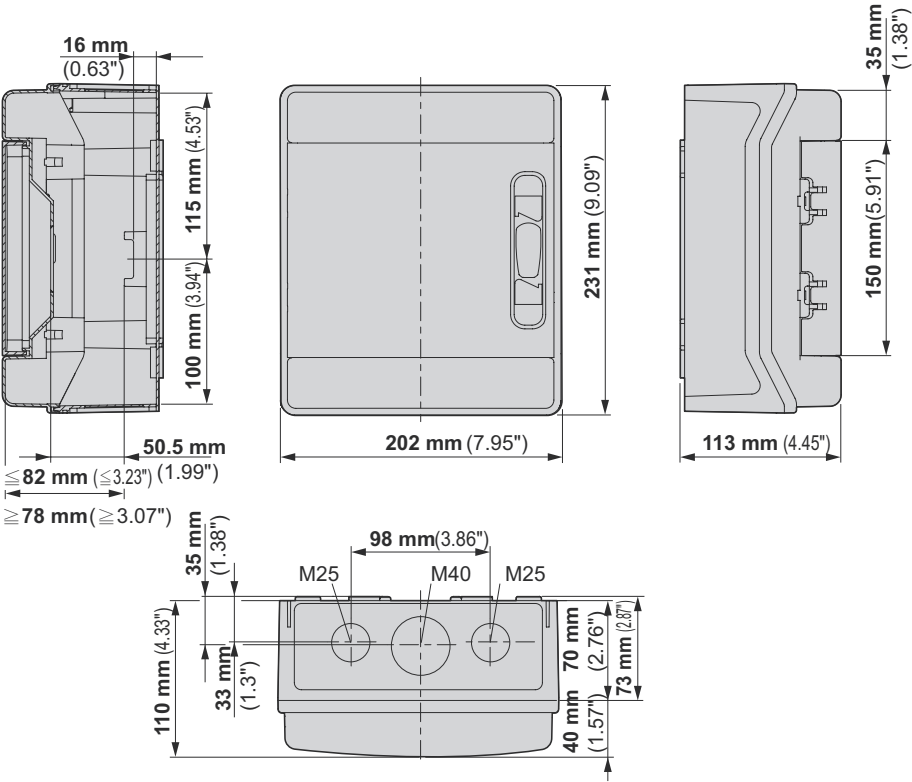


IKA-1/4....

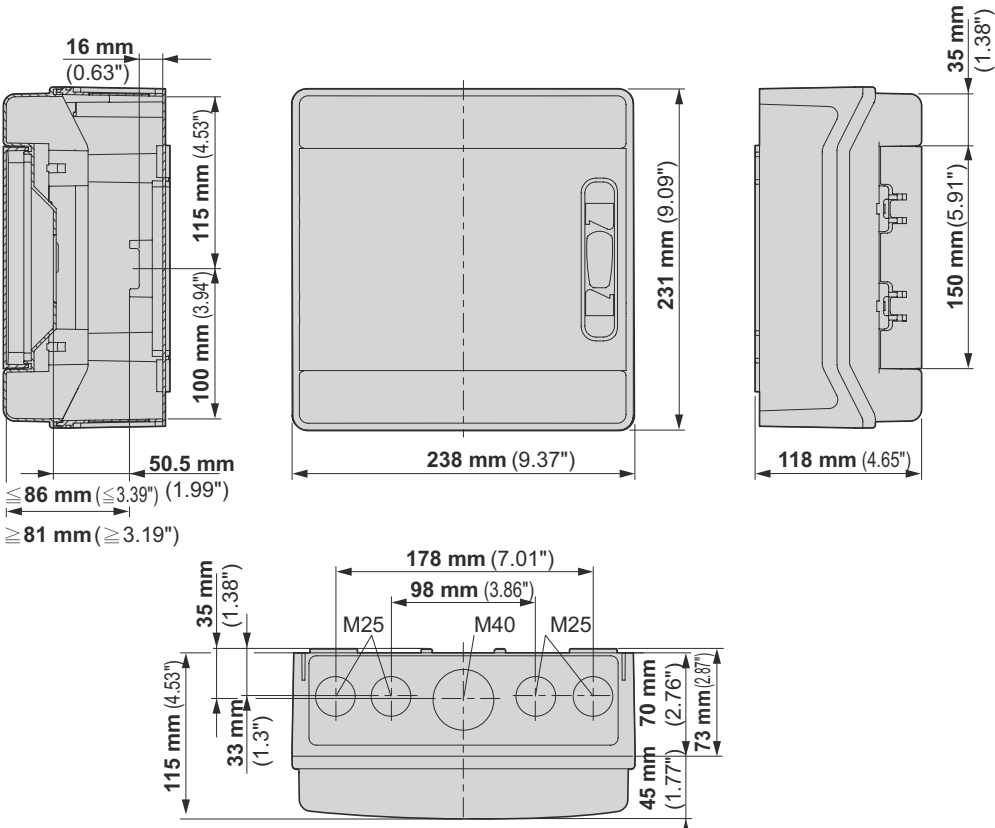


Dimensions (mm)

IKA-1/6....

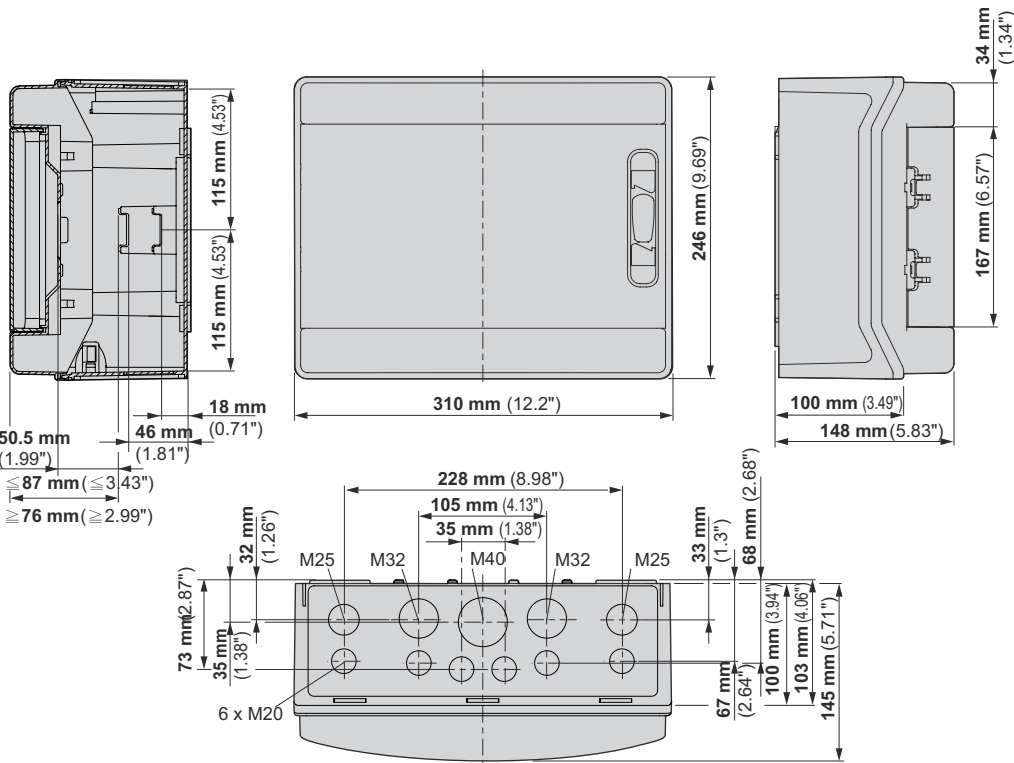


IKA-1/8....

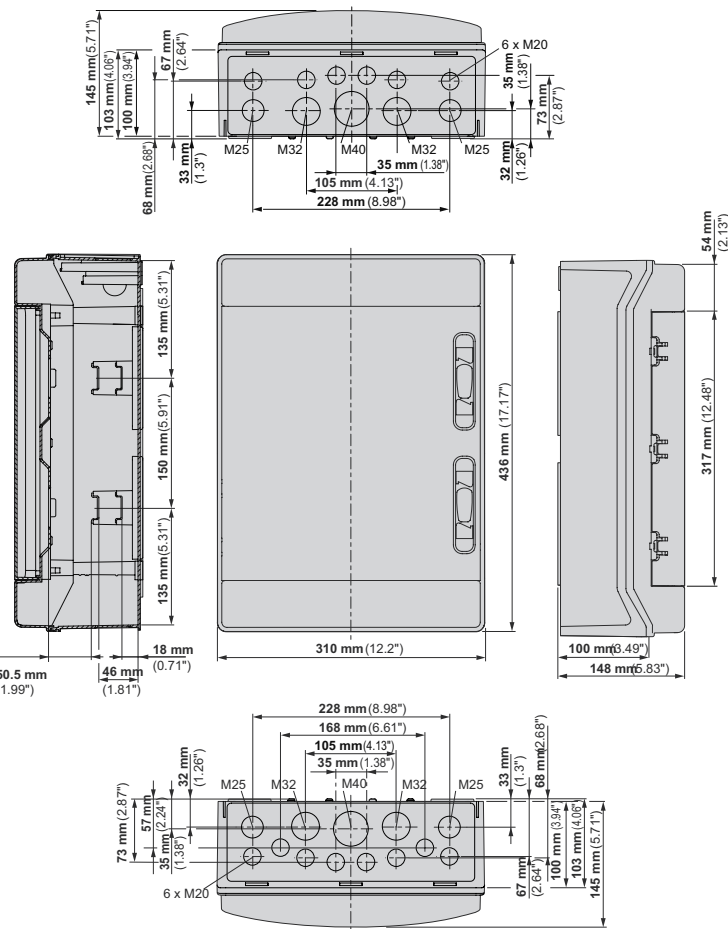


Dimensions (mm)

IKA-1/12....

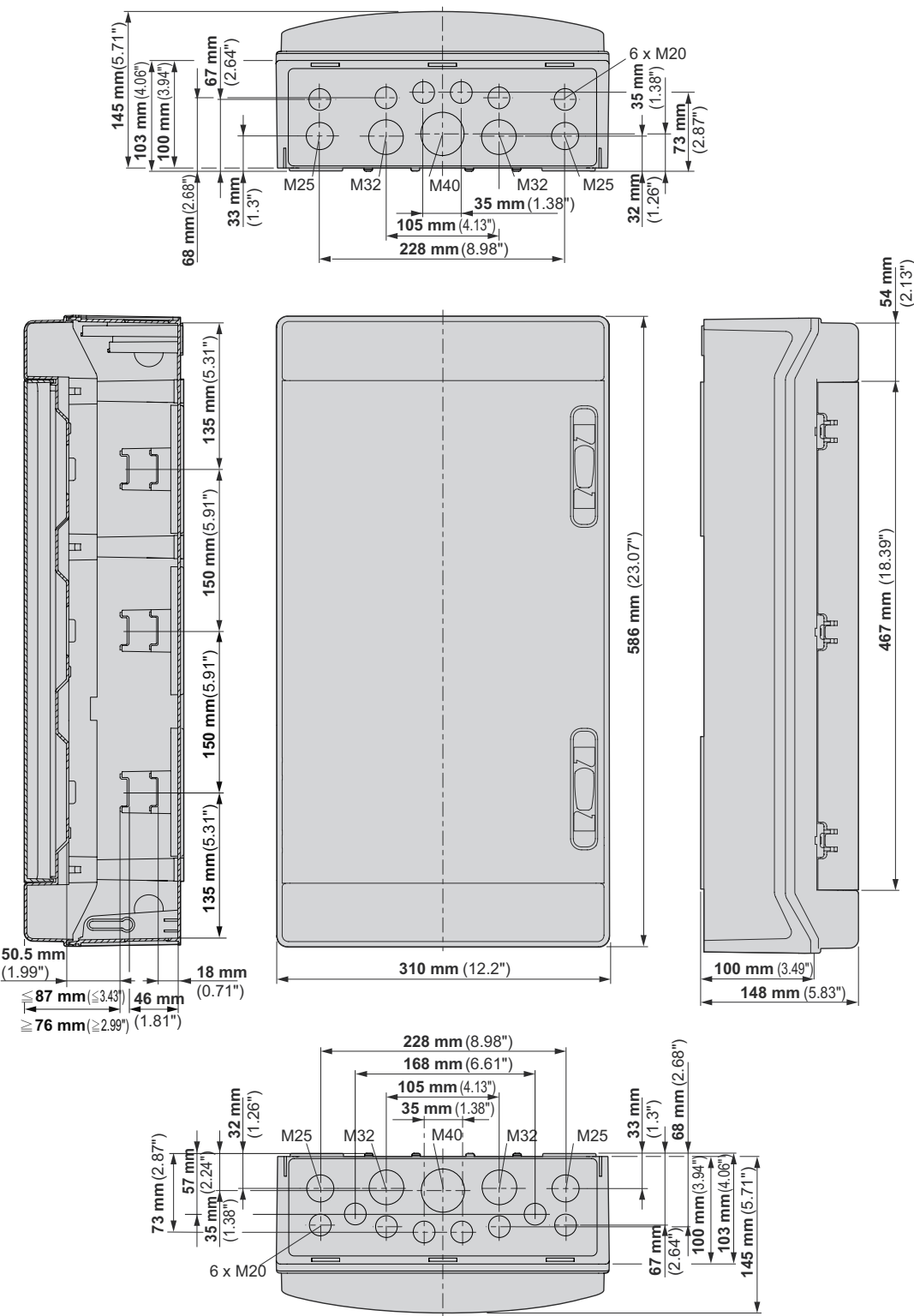


IKA-2/24....



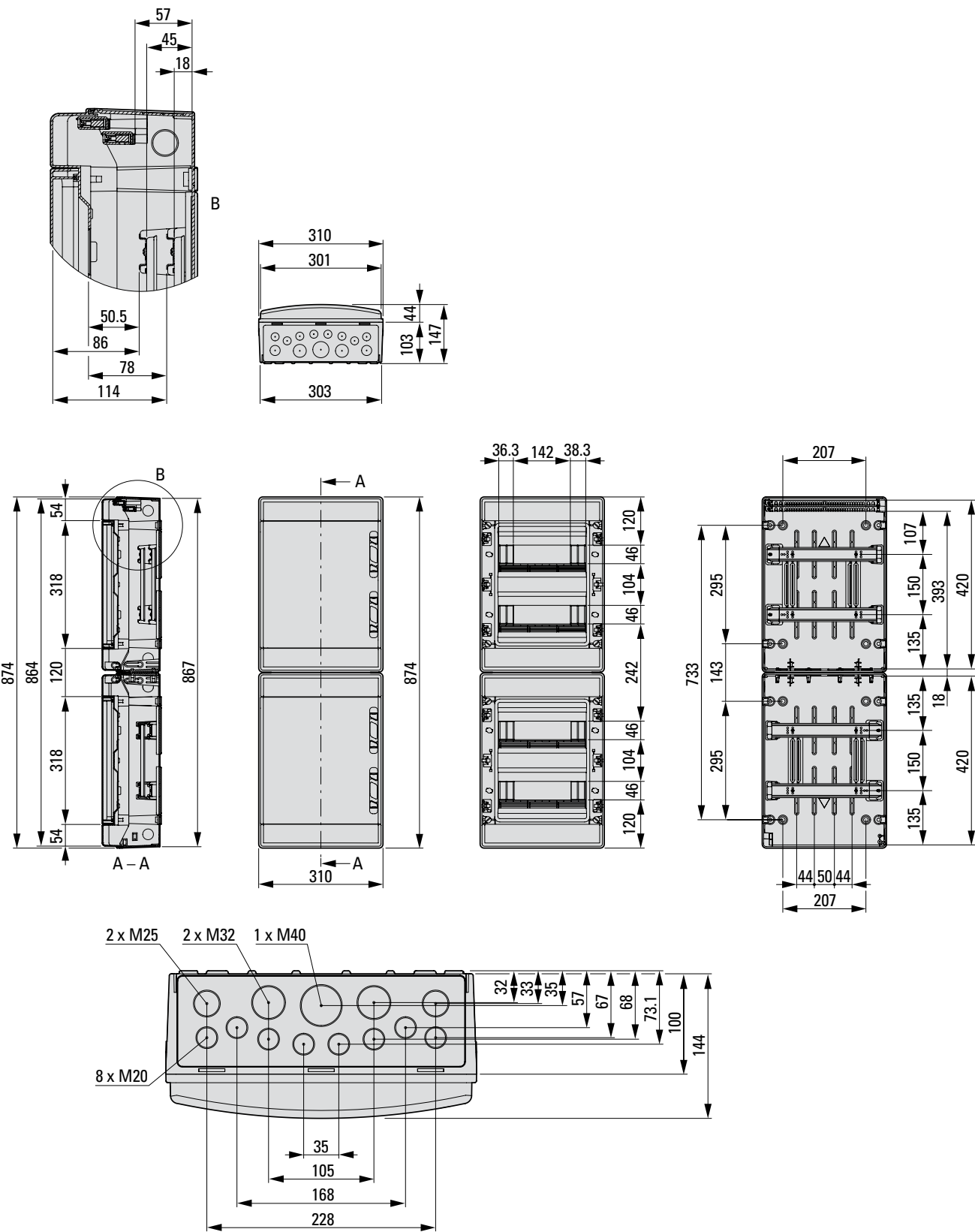
Dimensions (mm)

IKA-3/36....



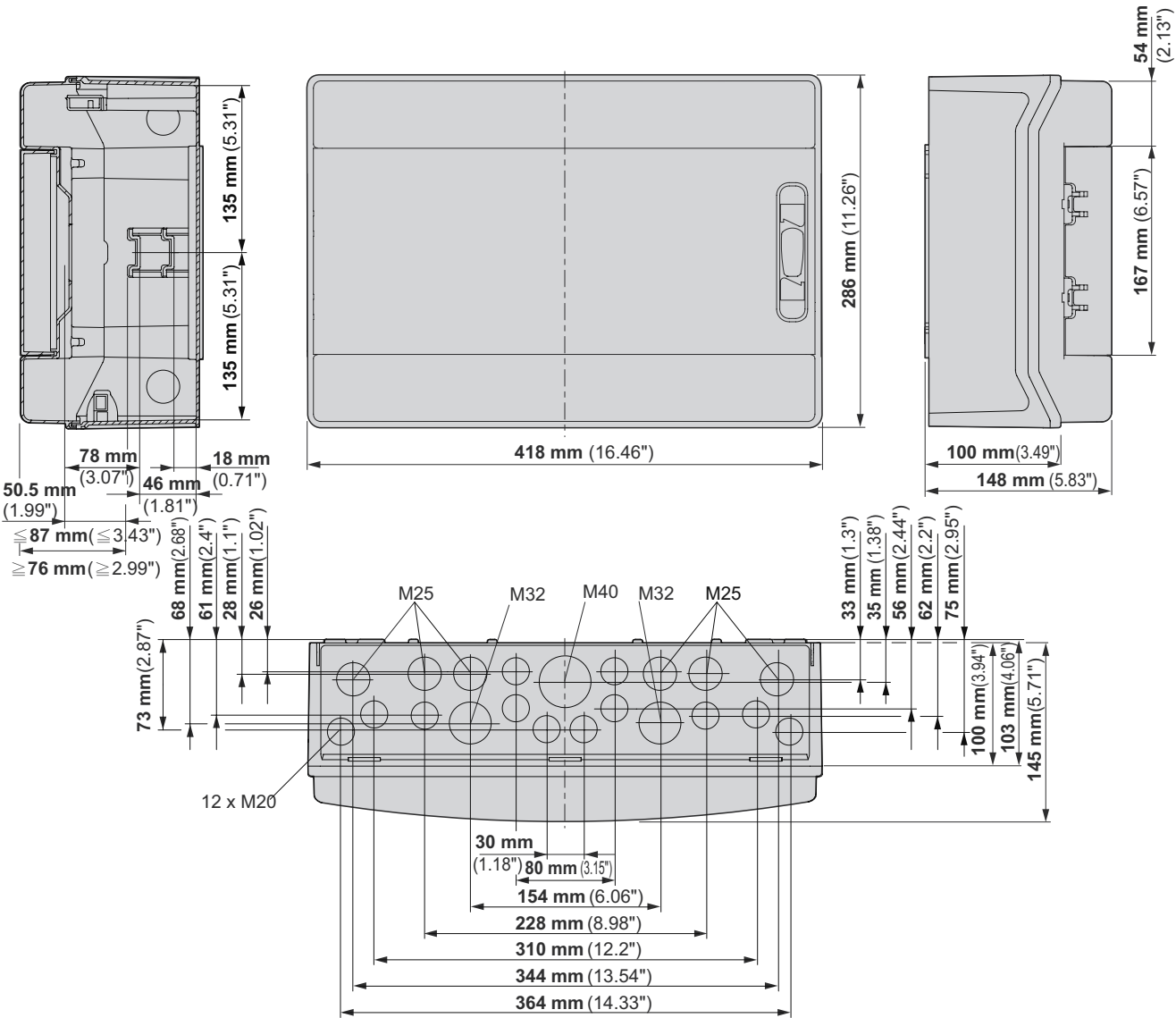
Dimensions (mm)

IKA-4/48...



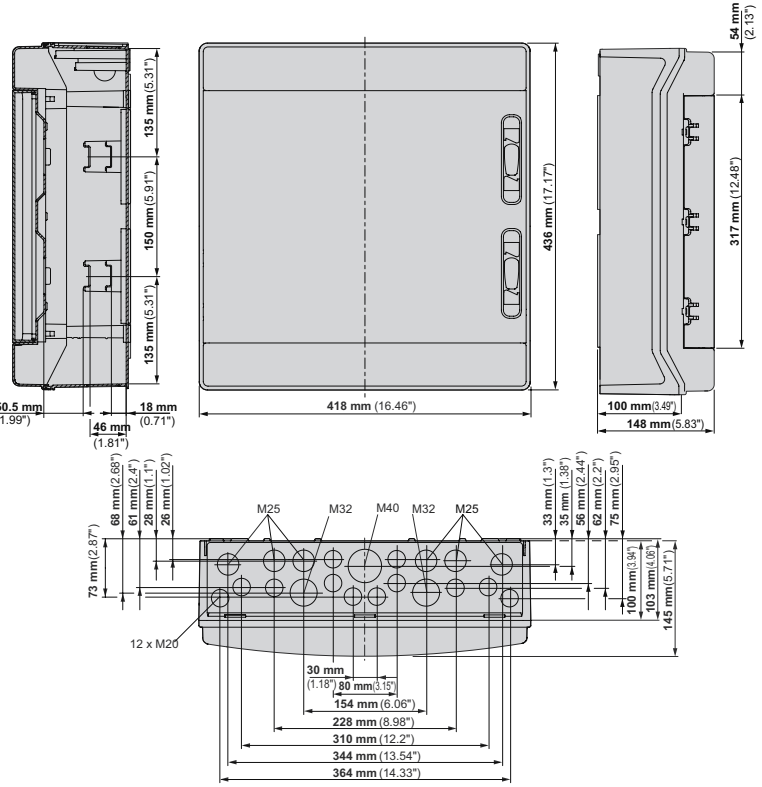
Dimensions (mm)

IKA-1/18....

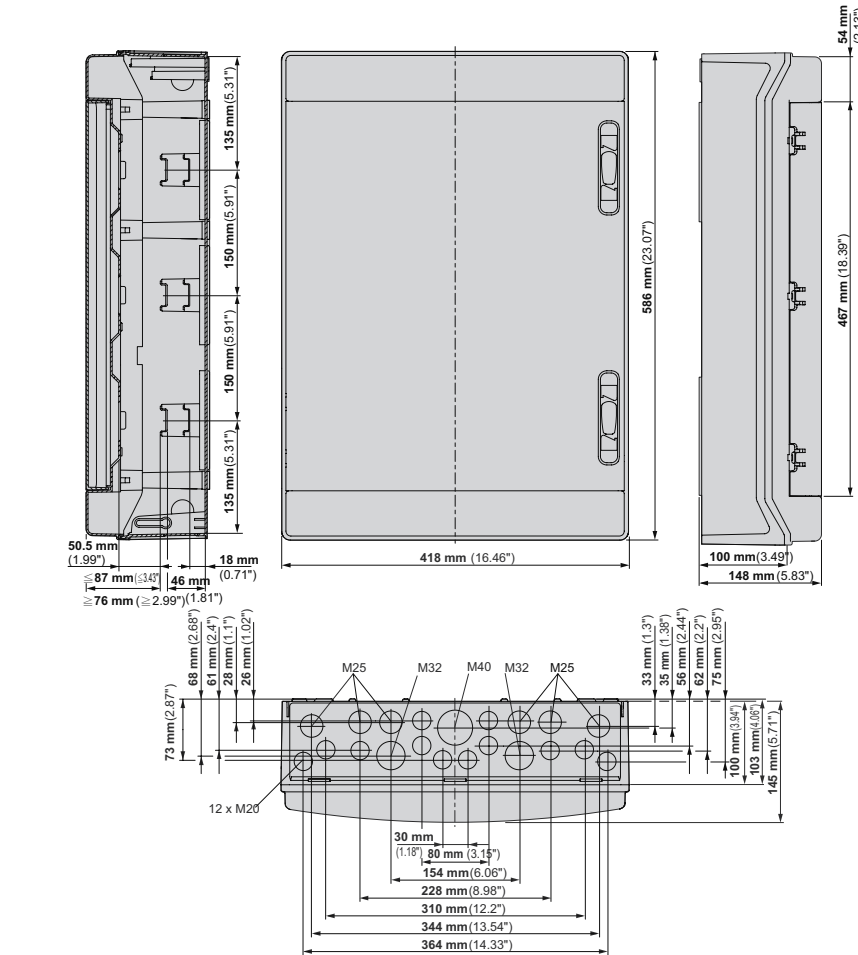


Dimensions (mm)

IKA-2/36....

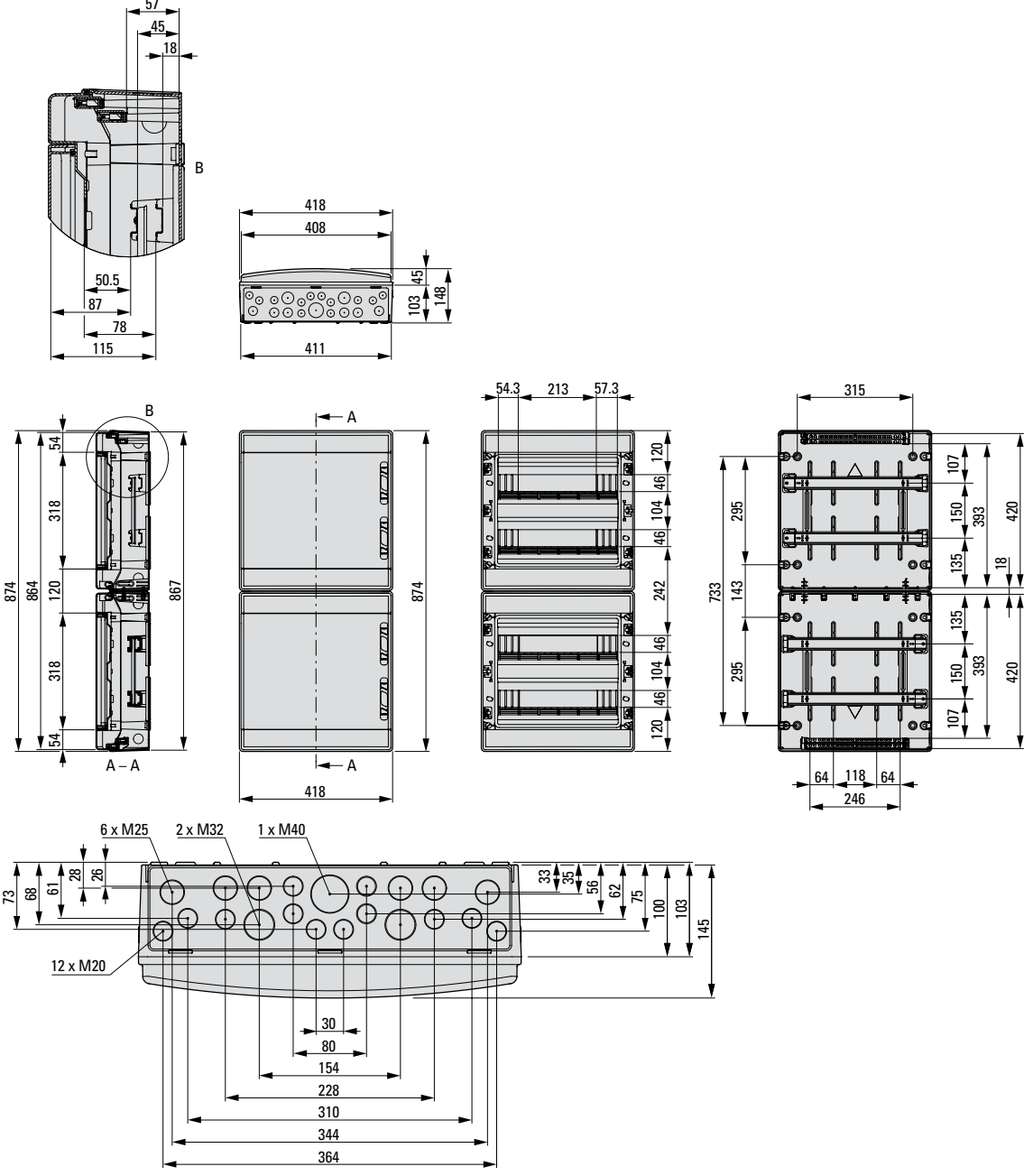


IKA-3/54....

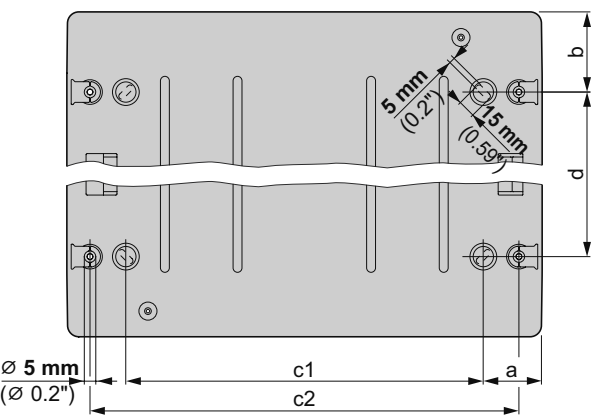


Dimensions (mm)

IKA-4/72....



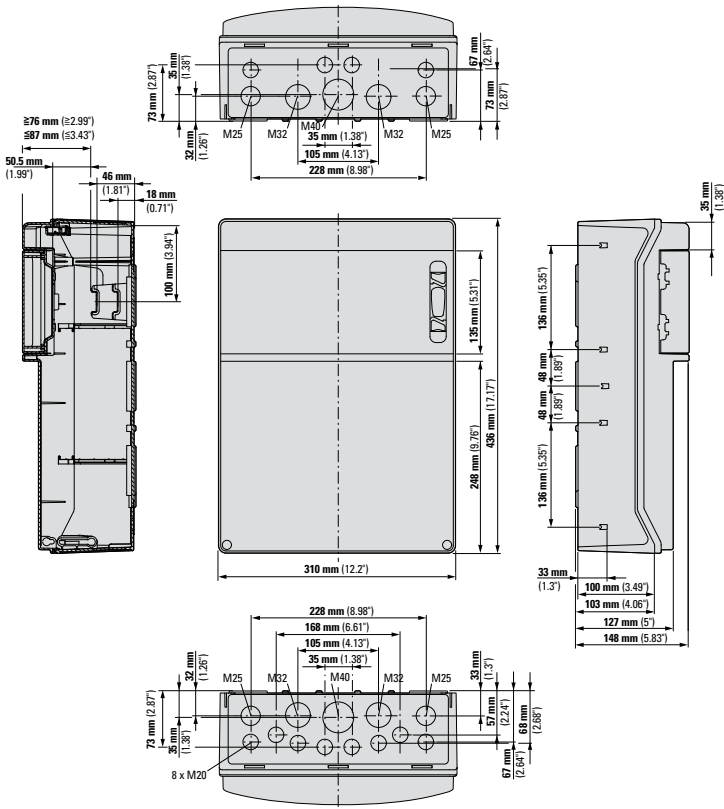
Holes for wall-mounting IKA-...



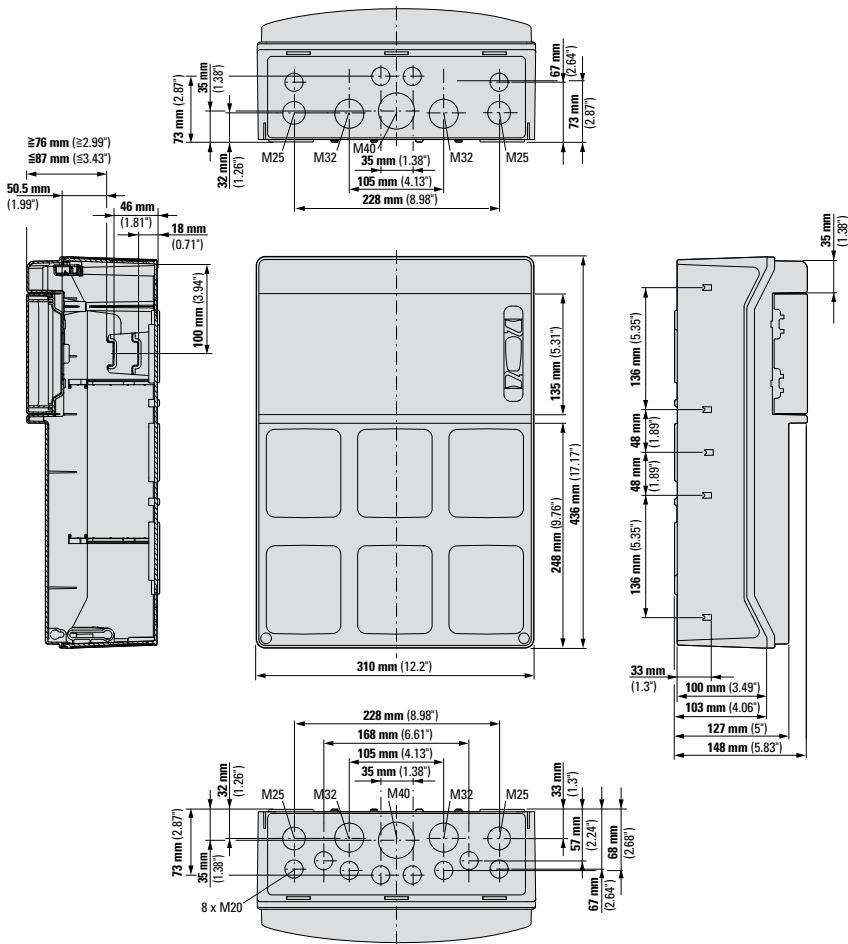
Type	a [mm]	b [mm]	c1 [mm]	c2 [mm]	d [mm]
IKA-1/4...	45	55	76	126	121
IKA-1/6...	52.5	55	97	162	121
IKA-1/8...	52.5	55	133	198	121
IKA-1/12...	51.5	62.5	207	270	121
IKA-2/24...	51.5	70.5	207	270	295
IKA-3/36...	51.5	70.5	207	270	445
IKA-4/48...	51.5	70.5	207	270	295
IKA-1/18...	51.5	70.5	315	378	145
IKA-2/36...	51.5	70.5	315	378	295
IKA-3/54...	51.5	70.5	315	378	445
IKA-4/72...	51.5	70.5	315	378	295

Dimensions (mm)

IKA-C-1/12-ST-X

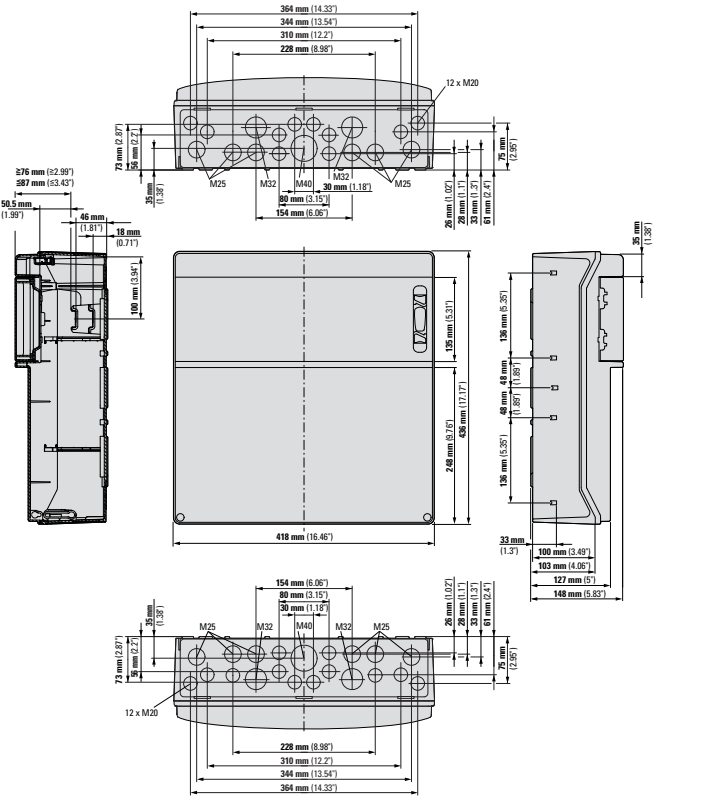


IKA-C-1/12-ST-LID

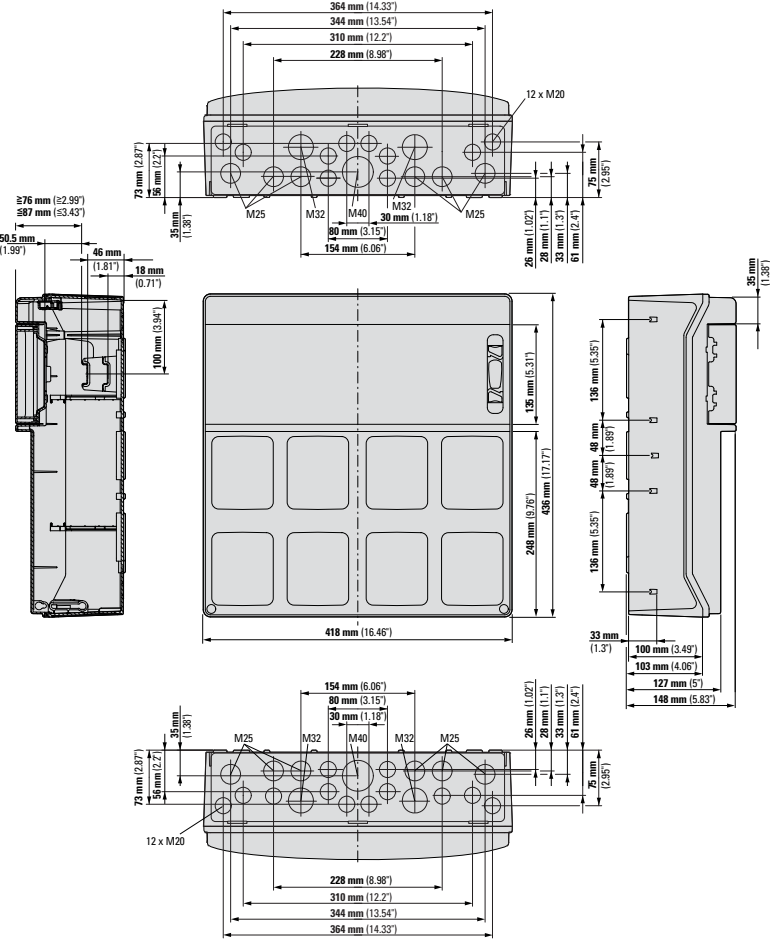


Dimensions (mm)

IKA-C-1/18-ST-X



IKA-C-1/18-ST-LID



EP-504110_LDO



EP-504111_LDO



EP-504112_LDO



EP-504113_LDO



Description

BC-A2-x/xx-DW

- 1 to 3 rows, 12 MUs / row
 - 1 to 3 rows, 18 MUs / row
 - Protection class II, totally insulated.
 - Degree of protection IP40
 - Glow wire test 650 °C
 - Neutral and Protective-earth screw type conductor terminals
 - Fully removable DIN support rack
 - All the bases are reversible, to select the direction of the cable inputs according to installation requirements.
 - Halogen-free plastic materials.
- Mounting inserts incl. Door and Frame, ABS White RAL 9003
 - Depth-adjustable DIN rail
 - 125mm DIN rail distance
 - Up to 30 mm wiring area under the DIN rail
 - Pre-punched metric areas for cable entries
 - The top side has horizontal and vertical marks of 4mm to cut the cable entry holes as required.
 - Spirit Level for precise alignment
 - Fast and easy inversion of the door hinges

Type key (12 or 18 MU / row)

BC	-	A2	-	3	-	/54	-	DW
Compact Distribution Board	-	A = Surface mounted 2 = Protection Class 2	-	Number of DIN Rail rows	-	Total number of 1MU device capacity of Enclosure	-	White door
				1 = 1 row 2 = 2 rows 3 = 3 rows	12 = 12 1MU devices			
				▪				
				▪				
				▪				
				54 = 54 1MU devices				

Legend

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

Scope of delivery

EP-504112_LDO



EP-504113_LDO



	12 MU / row	18 MU / row
Enclosure's Base – Surface mounted	■	■
Frame	■	■
Door	■	■
Removable DIN support rack	■ 1)	■ 1)
N/PE screw-type terminals	■	■
Cover for spare areas in frame 6 MU	■	■
Screws for frame-base closure	■	■
Closing Caps for Base and Frame	■	■
Spirit Level	■	■
Labelling for Module Identification	■	■

1) For Compact Distribution Boards with more than one row.



IP40, Surface-mounted Enclosure, screw-type terminal

- Approved according to IEC/EN 60670-24 and IEC/EN 62208, i.e. for distributions according to IEC/EN 61439-3
- Surface Mounted.
- Protection class II, totally insulated.
- 1 to 3 rows, 12 or 18 module units per row.
- N/PE screw-type terminal bars with the bar-holder support, attached by a clip system for quick and safe installation.
- Resistant to abnormal heat and fire up to 650 °C, glow-wire test according to IEC/EN 62208
- Base, frame and door made of ABS plastic, white RAL 9003.
- Stable frame, with cut-outs for DIN switchgear and protective devices.
- DIN rails galvanized, Depth-adjustable, 125 mm distance between rows.
- Fully removable DIN support rack in distribution boxes containing several rows.
- Up to 30 mm wiring area under the DIN rail
- Door hinges are easy to inverse, hinges for manual handling.
- All the bases are reversible, to select the direction of the cable inputs according to installation requirements.
- Pre-punched metric areas for cable entries
- The top side has horizontal and vertical marks of 4mm to cut the cable entry holes as required.
- Halogen-free plastic materials

Rows / MU	Description	Type Designation	Article No.	Pack (pcs.)
Surface-mounted 12 MU / row				
	1 / 12	1 screw-type terminal bar.	BC-A2-1/12-DW	EP-504108 1
		Each N and PE offers: 6x (2,5 - 6 mm²) + 6x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)		
	2 / 24	2 screw-type terminal bars.	BC-A2-2/24-DW	EP-504110 1
		Each N and PE offers: 8x (2,5 - 6 mm²) + 8x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)		
	3 / 36	2 screw-type terminal bars.	BC-A2-3/36-DW	EP-504112 1
		Each N and PE offers: 12x (2,5 - 6 mm²) + 12x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)		

Rows / MU	Description	Type Designation	Article No.	Pack (pcs.)
Surface-mounted 18 MU / row				
	1 / 18	1 screw-type terminal bar.	BC-A2-1/18-DW	EP-504109 1
		Each N and PE offers: 8x (2,5 - 6 mm²) + 8x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)		
	2 / 36	2 screw-type terminal bars.	BC-A2-2/36-DW	EP-504111 1
		Each N and PE offers: 12x (2,5 - 6 mm²) + 12x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)		
	3 / 54	2 screw-type terminal bars.	BC-A2-3/54-DW	EP-504113 1
		Each N and PE offers: 16x (2,5 - 6 mm²) + 16x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)		

Technical Data

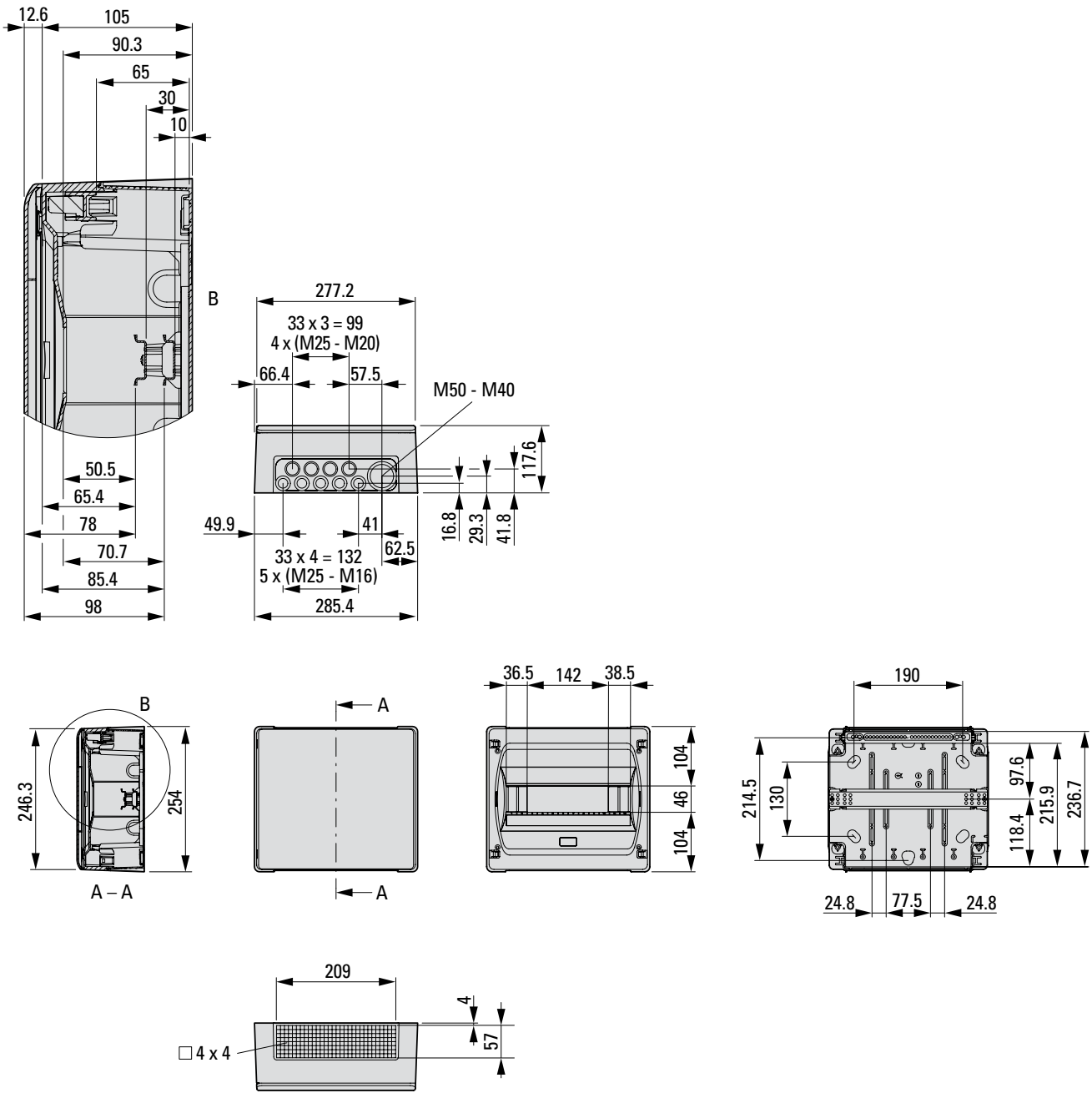
BC-A2-...-DW			
Electrical			
Version according to	EN 62208; EN 60670-24		
Rated voltage	400 V AC		
Rated frequency	50 Hz		
Rated current	125 A (max.)		
Protection Class	II, totally insulated		
Degree of protection	IP40		
Insulation voltage	1000 V AC / 1500 V DC		
Impact resistance	IK08		
Acc. IEC/EN 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	24.8 W		
1 / 18	31.7 W		
2 / 24	37.1 W		
2 / 36	46.6 W		
3 / 36	46.5 W		
3 / 54	58.2 W		
Mechanical			
Material			
Enclosure Base	ABS Plastic		
Door/Frame	ABS Plastic		
Colour			
Enclosure Base	White RAL 9003		
Door/Frame	White RAL 9003		
Distance between rows	125 mm		
Support rail for devices	Sheet steel, galvanized; Top hat rail 35 x 7.5 mm		
UV resistant	No		
Glow-wire test	650 °C (Door lock, Hinges, Front plate) ; 960 °C (Plastic parts of terminals)		
Type of Installation	Indoor		
In areas exposed to risk of fire	No		
Halogen-free, RoHS	Yes, RoHS / REACH Conform		
Pre-punched cable entry areas top/bottom/Rear			
	Top	Bottom	Rear panel
1 / 12 2 / 24 3 / 36	Area (208x56) with pre-punched square 4x4	1x(M50-M40) + 4x(M25-M20) + 5x(M25-M16)	2 x (2xM25 + 1x(M40-M32))
1 / 18 2 / 36 3 / 54	Area (316x56) with pre-punched square 4x4	1x(M50-M40) + 7x(M25-M20) + 8x(M25-M16)	2 x (2xM25 + 1x(M40-M32))

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

	N [mm²]	PE [mm²]
BC-A2-1/12....	6x(2,5-6 mm2) + 6x(4-10 mm2) + 1x(10-25 mm2) +1x(16-35 mm2)	6x(2,5-6 mm2) + 6x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)
BC-A2-1/18....	8x(2,5-6 mm2) + 8x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)	8x(2,5-6 mm2) + 8x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)
BC-A2-2/24....	8x(2,5-6 mm2) + 8x(4-10 mm2) + 1x(10-25 mm2) +1x(16-35 mm2)	8x(2,5-6 mm2) + 8x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)
BC-A2-2/36....	12x(2,5-6 mm2) + 12x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)	12x(2,5-6 mm2) + 12x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)
BC-A2-3/36....	12x(2,5-6 mm2) + 12x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)	12x(2,5-6 mm2) + 12x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)
BC-A2-3/54....	16x(2,5-6 mm2) + 16x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)	16x(2,5-6 mm2) + 16x(4-10 mm2) + 1x(10-25 mm2) + 1x(16-35 mm2)

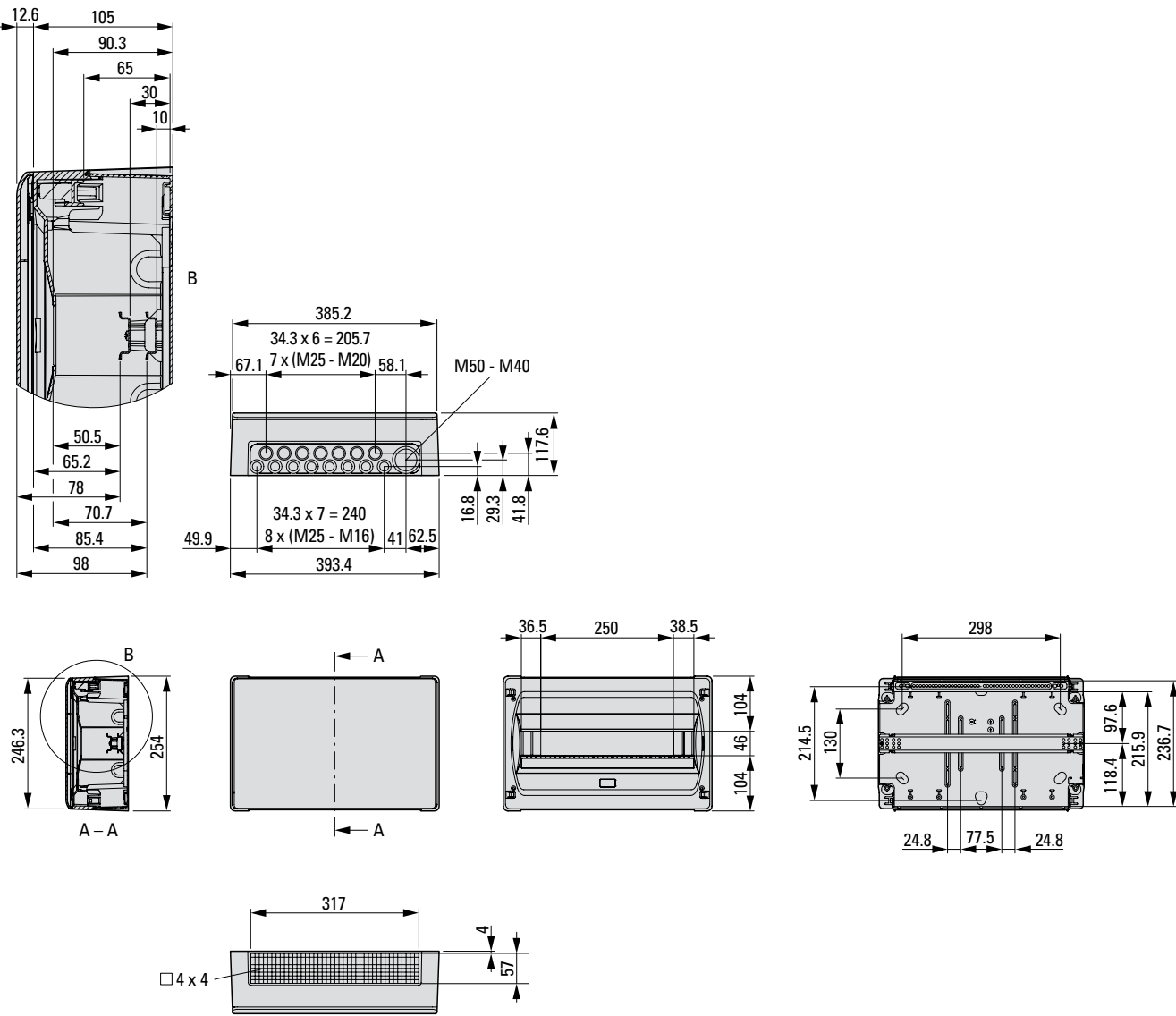
Dimensions (mm)

BC-A2-1/12-DW



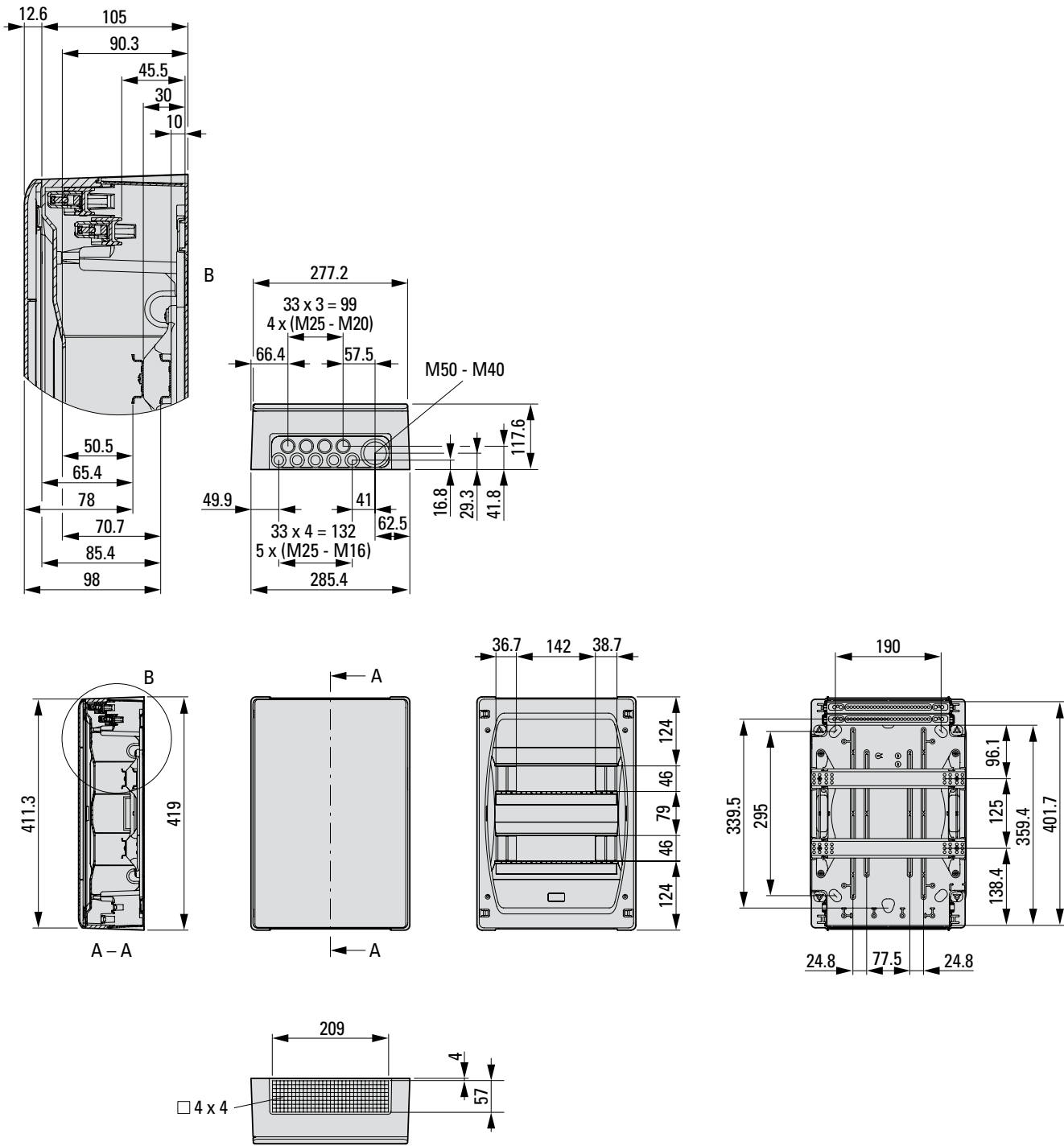
Dimensions (mm)

BC-A2-1/18-DW



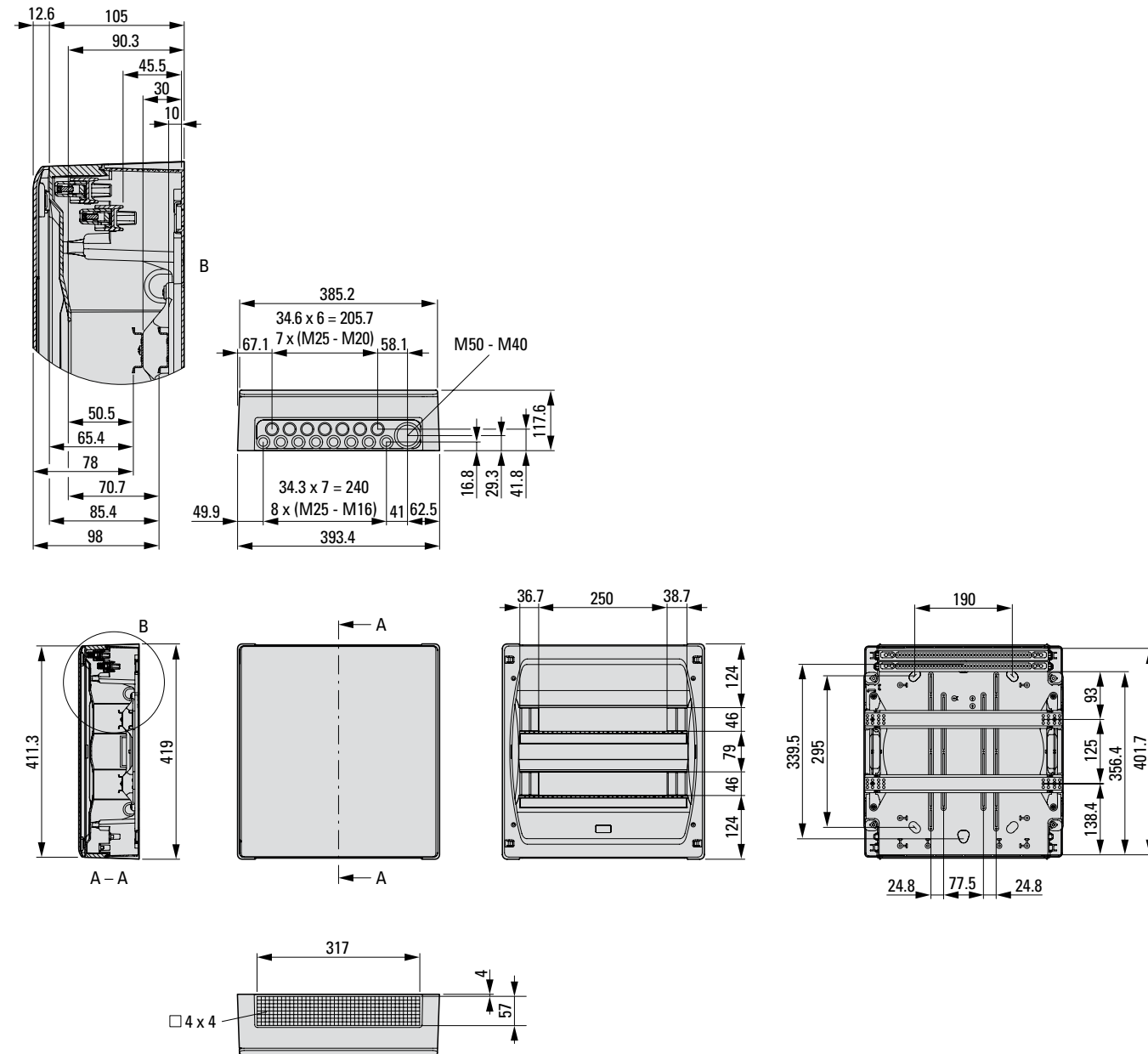
Dimensions (mm)

BC-A2-2/24-DW



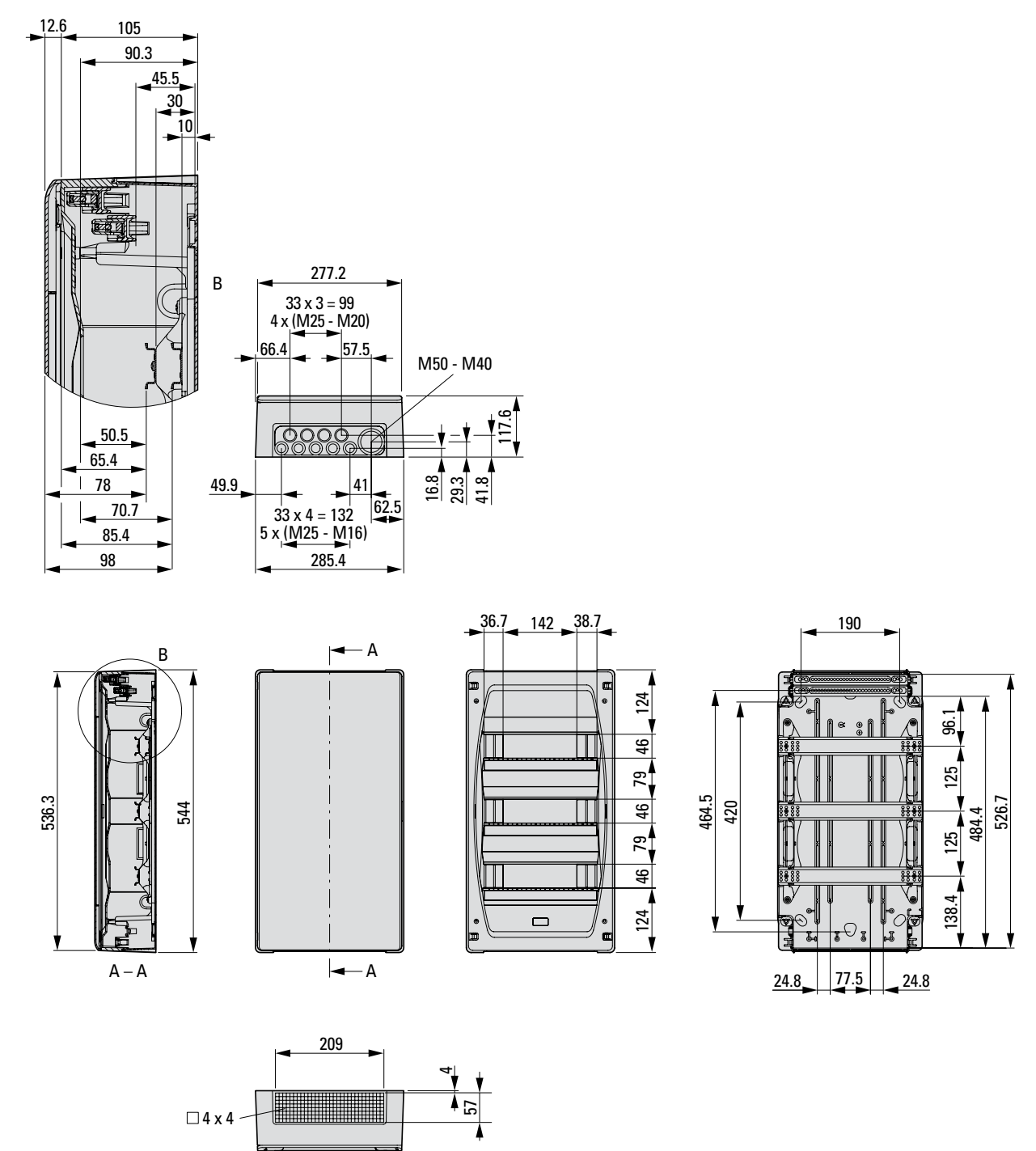
Dimensions (mm)

BC-A2-2/36-DW



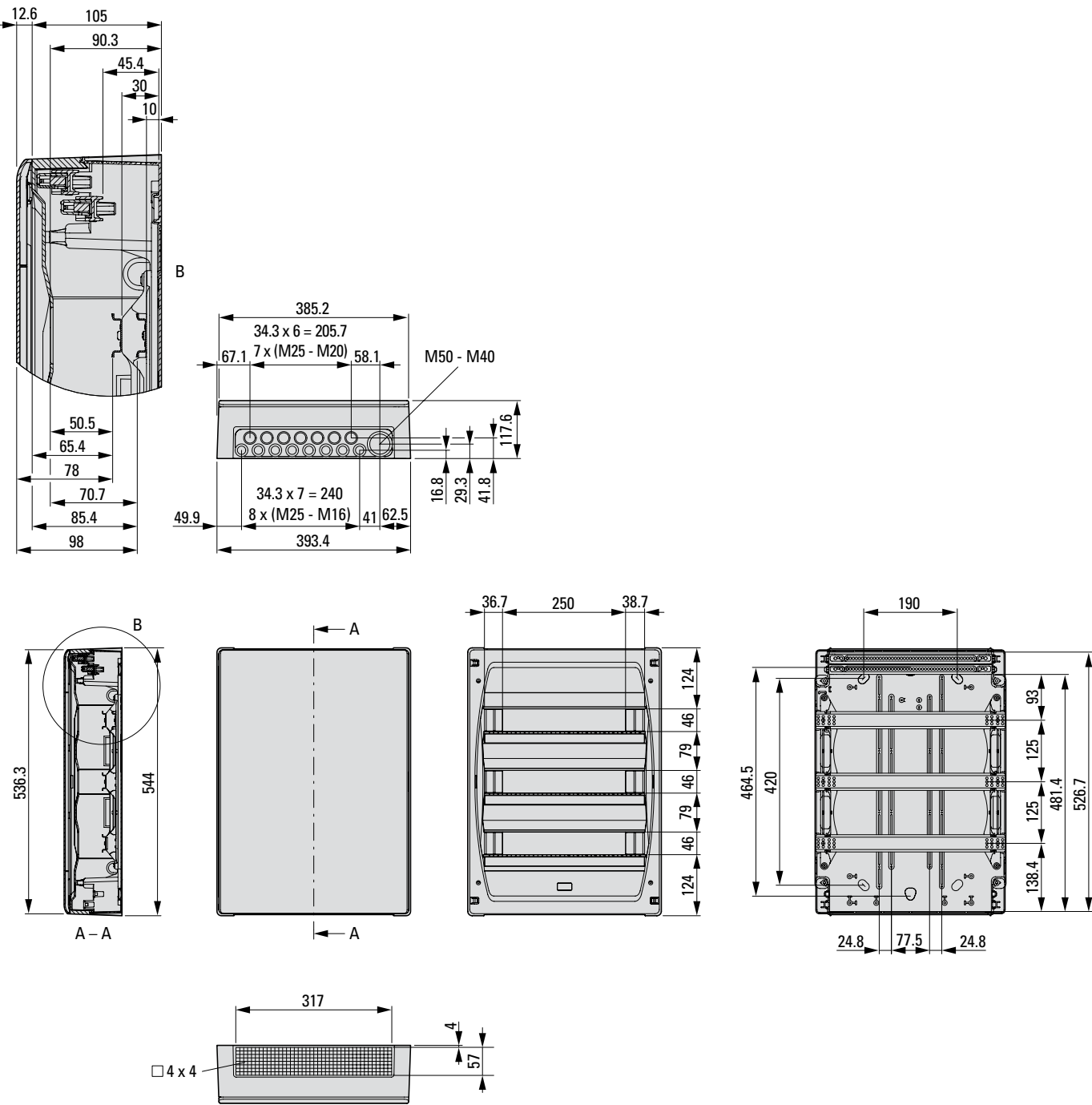
Dimensions (mm)

BC-A2-3/36-DW

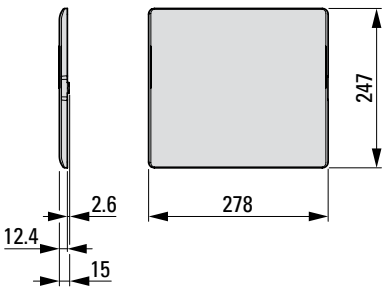


Dimensions (mm)

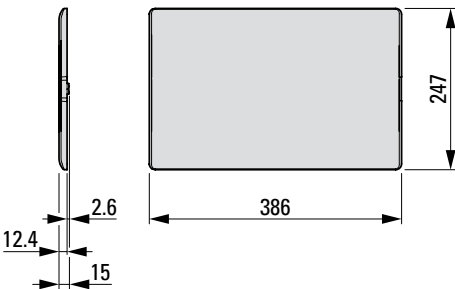
BC-A2-3/54-DW



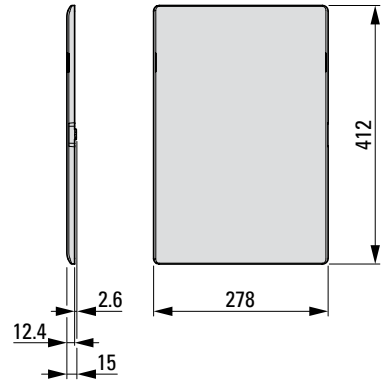
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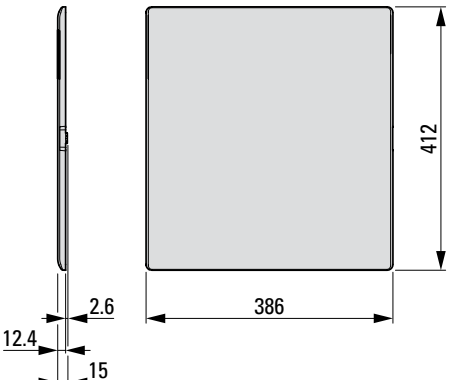
DW-1/18-BC-A2



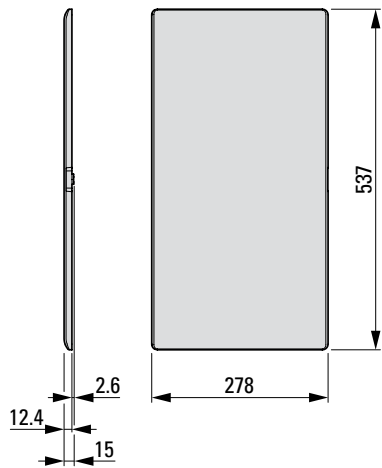
DW-2/24-BC-A2



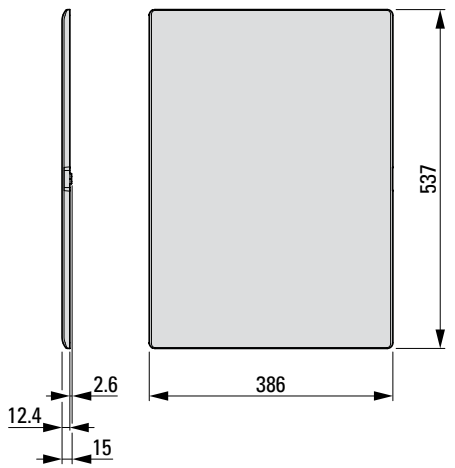
DW-2/36-BC-A2



DW-3/36-BC-A2



DW-3/54-BC-A2



EP-502537



EP-502542



EP-502539



EP-502545



Description

BF-U-3S...-D125

- Setup of the distribution board is based on a 3-step principle (wall pan / mounting insert + DIN frame + door)
 - 2 to 7 rows, 24 MUs / row
 - 4 to 7 rows, 33 MUs / row
 - Protection class I
 - Degree of protection IP30
 - Complete types incl. neutral and protective-earth screw type conductor terminals
 - Wall pan (galvanized) prepared for cable insertion at the top/ bottom
- Mounting inserts incl. door and cover frame
 - Metal front plates with contact point at the enclosure
 - Flat metal door design
 - 150 mm DIN rail distance (ideal for switchgear busbar system)
 - Multimedia door can be ordered as an accessory
 - Prepared enclosures and can be used as media distribution boards

Type key (24 or 33 MU / row)

BF-U	-	3S	-	7	/231	-	D125
Flush mount/ Hollow Wall Flat - Distribution Board		3 Step	-	Number of DIN Rail rows	Number of accumulated 1MU devices	-	Depth of enclosure 125mm
				2 = 2 rows			
				3 = 3 rows			
				-	-		
				-	-		
				-	-		
				7 = 7 rows	33 1MU devices / row. 231 in total.		

System overview

Compact Distribution Boards Version	Protection class I (earthed)	EN 62208	EN 61439-1 EN 61439-3	IP30
Flush-mounted	■	■	■	■
Hollow-wall	■	■	■	■
Media ¹⁾	■	■	-	■

¹⁾ Multimedia mounting plate as an accessory

Legend

Symbol	Explanation
	Only for indoor applications.
	Resistance to abnormal heat and fire according to IEC/EN 62208.
	Flush-mounting according to EN 62208.
	Hollow-wall mounting according to EN 62208.

Scope of delivery

	EP-502538	EP-502542
		
	24 MU / row	33 MU / row
Wall pan – Flush/Hollow-wall mounted		
DIN Rail with mounting-support		
N/PE screw-type terminals		
Extra N screw-type terminals		
Frontplates		
Door with door-frame		
Earthing-sets		



IP30, Flush-mounted/Hollow-wall, screw-type terminal

- 3-Step design
- Degree of protection IP30
- Protection class I
- Approved according to EN 62208, i.e., for distributions according to EN 61439-1, -3
- N/PE screw-type terminal and extra N screw type terminals

Rows / MU Description	Version	Type Designation	Article No.	Pack/PAL
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Flush-mounted 24MU / row (screw-type terminal)

EP-502536



2 / 48	N = 1x KL29 PE = 1x KL29 + extra N = 2x KL11	3-Step design	BF-U-3S-2/48-D125	EP-502536	1/20
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EP-502537



3 / 72	N = 1x KL29 PE = 1x KL45 + extra N = 3x KL11	3-Step design	BF-U-3S-3/72-D125	EP-502537	1/10
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EP-502538



4 / 96	N = 1x KL29 PE = 1x KL45 + extra N = 3x KL11	3-Step design	BF-U-3S-4/96-D125	EP-502538	1/10
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1.98

Compact Distribution Boxes

BF-U-3S Flush-mounted/Hollow-wall Flat Distribution Boards, IP30

xComfort

EP-502539



Rows / MU Description	Version	Type Designation	Article No.	Pack/PAL
Flush-mounted 24MU / row (screw-type terminal)				
5 / 120 N = 1x KL29 PE = 1x KL60 + extra N = 4x KL11	3-Step design	BF-U-3S-5/120-D125	EP-502539	1/10

EP-502540



6 / 144 N = 1x KL45 PE = 1x KL60 + extra N = 5x KL11	3-Step design	BF-U-3S-6/144-D125	EP-502540	1/10
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EP-502541



7 / 168 N = 1x KL45 PE = 1x KL60 + extra N = 6x KL11	3-Step design	BF-U-3S-7/168-D125	EP-502541	1/10
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xComfort

Compact Distribution Boxes

BF-U-3S Flush-mounted/Hollow-wall Flat Distribution Boards, IP30

1.99

EP-502542



Rows / MU Description	Version	Type Designation	Article No.	Pack/PAL
Flush-mounted 33MU / row (screw-type terminal)				
4 / 132 N = 1x KL45 PE = 1x KL76 + extra N = 4x KL11	3-Step design	BF-U-3S-4/132-D125	EP-502542	1/10

EP-502543



5 / 165 N = 1x KL45 PE = 1x KL76 + extra N = 5x KL11	3-Step design	BF-U-3S-5/165-D125	EP-502543	1/10
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EP-502544



6 / 198 N = 1x KL60 PE = 1x KL76 + extra N = 6x KL7	3-Step design	BF-U-3S-6/198-D125	EP-502544	1/10
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EP-502545



7 / 231 N = 1x KL60 PE = 1x KL76 + extra N = 7x KL7	3-Step design	BF-U-3S-7/231-D125	EP-502545	1/10
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Technical Data

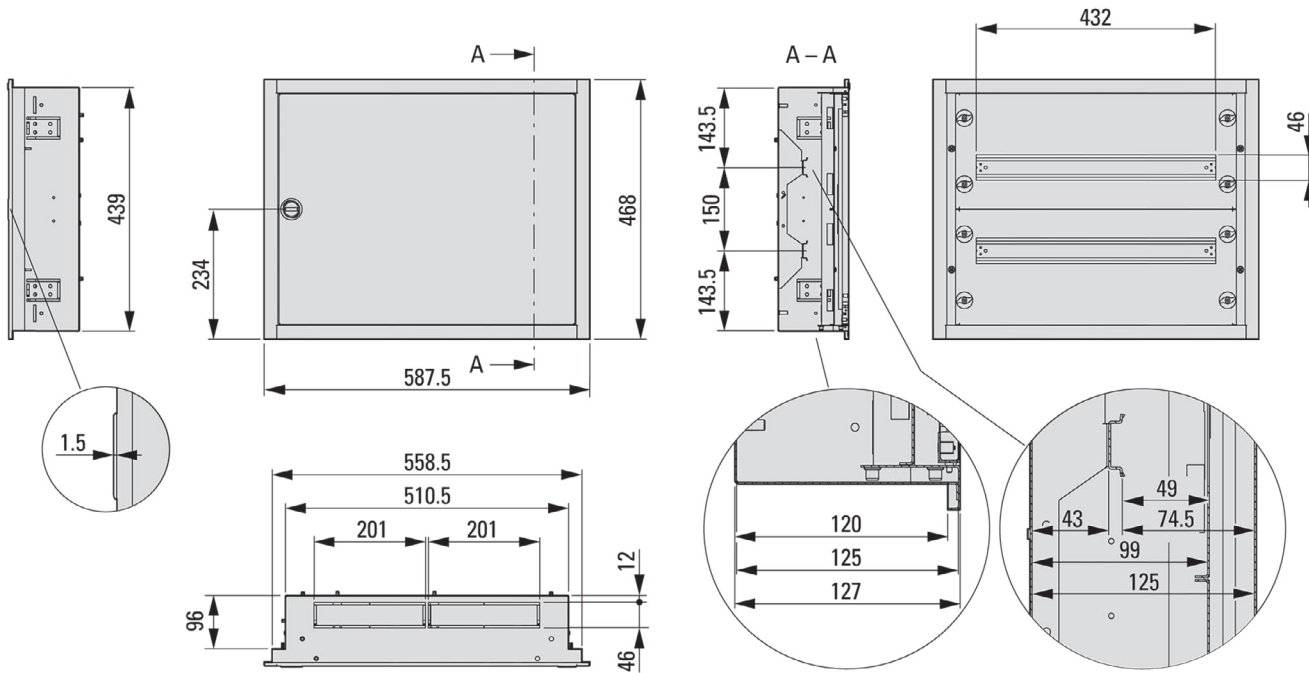
BF-U-3S...-D125	
Electrical	
Version according to	EN 62208; EN 61439-1, -3
Rated voltage	240/415 V AC
Rated frequency	50 Hz
Rated current	max. 125 A
Protection class	I (earthed)
Degree of protection	IP30
Insulation voltage	415 V AC
Impact resistance	IK08 (distribution board with sheet steel door only)
Acc. EN 62208 max. power loss admitted for all devices installed in the distribution board, at a difference in temperature of 35 K	
2 / 48	56 W
3 / 72	69 W
4 / 96	81 W
5 / 120	94 W
6 / 144	106 W
7 / 168	119 W
4 / 132	104 W
5 / 165	118 W
6 / 198	134 W
7 / 231	149 W
Mechanical	
Material	
Wall pan	Sheet steel, galvanized
Door/Frame	Sheet steel, power-coated
Color	
Wall-pan	silver, galvanized
Door/Frame	white RAL 9016
Distance between rows	150 mm
Support rail for devices	Sheet steel, galvanized; top hat rail 35 x 7.5 mm
UV resistant	No
Glow-wire test	650 °C (door lock, hinges, Front plate lock, observation window)
Type of installation	Indoor
In areas exposed to risk of fire	No
Halogen-free, RoHS	Yes, RoHS / REACH conform
Pre-punched cable entry areas top/bottom	yes
2 / 48	
3 / 72	
4 / 96	2x (46mm x 201mm) at top
5 / 120	2x (46mm x 201mm) at bottom
6 / 144	
7 / 168	
4 / 132	
5 / 165	2x (46mm x 281mm) at top
6 / 198	2x (46mm x 281mm) at bottom
7 / 231	

KL Terminals:

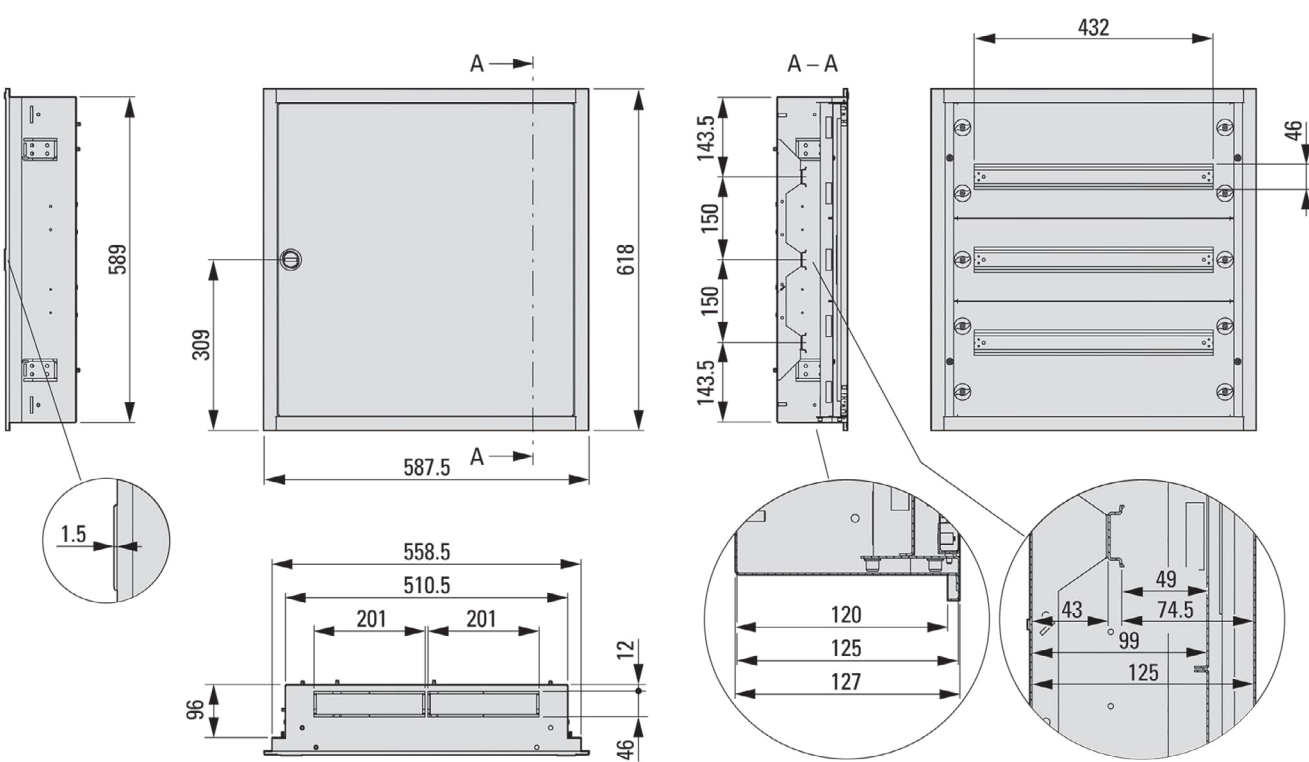
KL7	1x 25 mm² + 6x 16 mm²
KL11	2x 25 mm² + 9x 16 mm²
KL29	2x 25 mm² + 27x 16 mm²
KL45	2x 25 mm² + 43x 16 mm²
KL60	2x 25 mm² + 58x 16 mm²
KL76	2x 25 mm² + 74x 16 mm²

Dimensions (mm)

BF-U-3S-2/48-D125

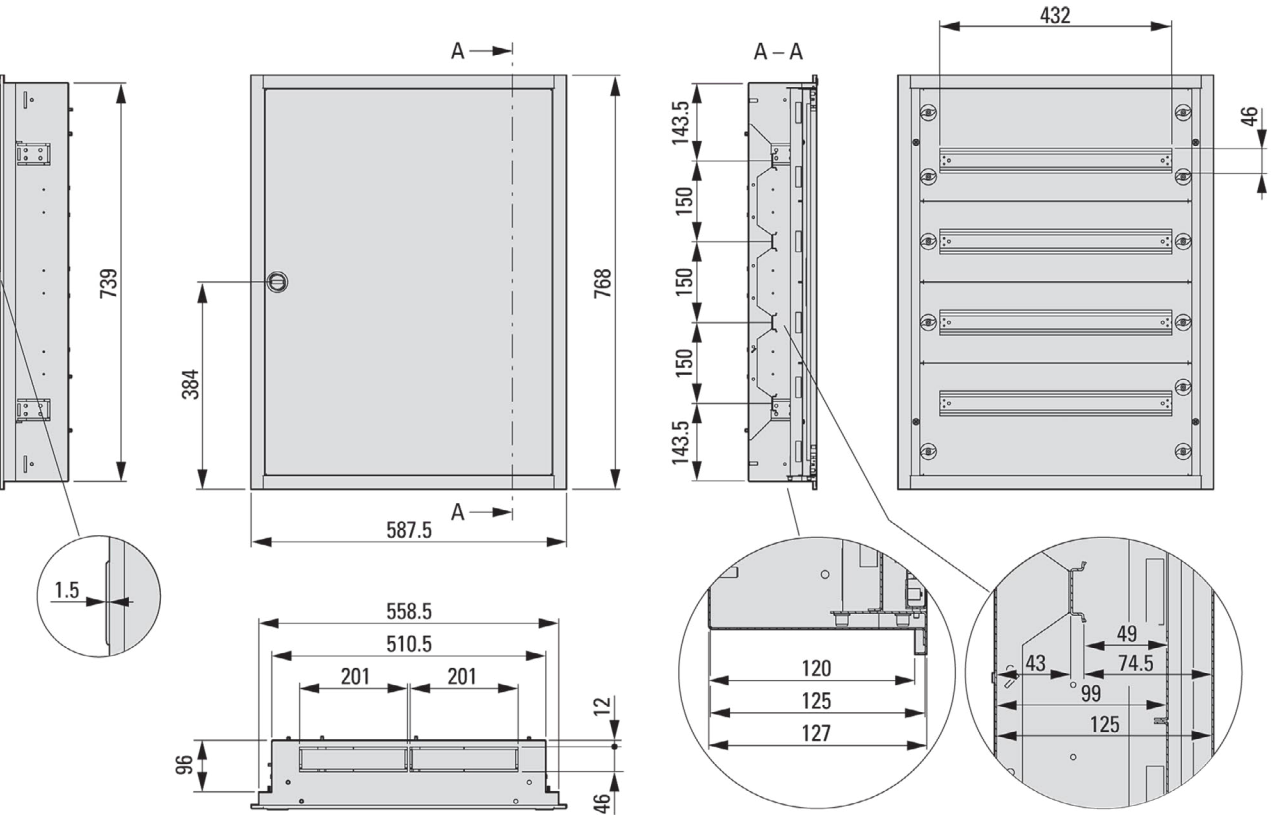


BF-U-3S-3/72-D125

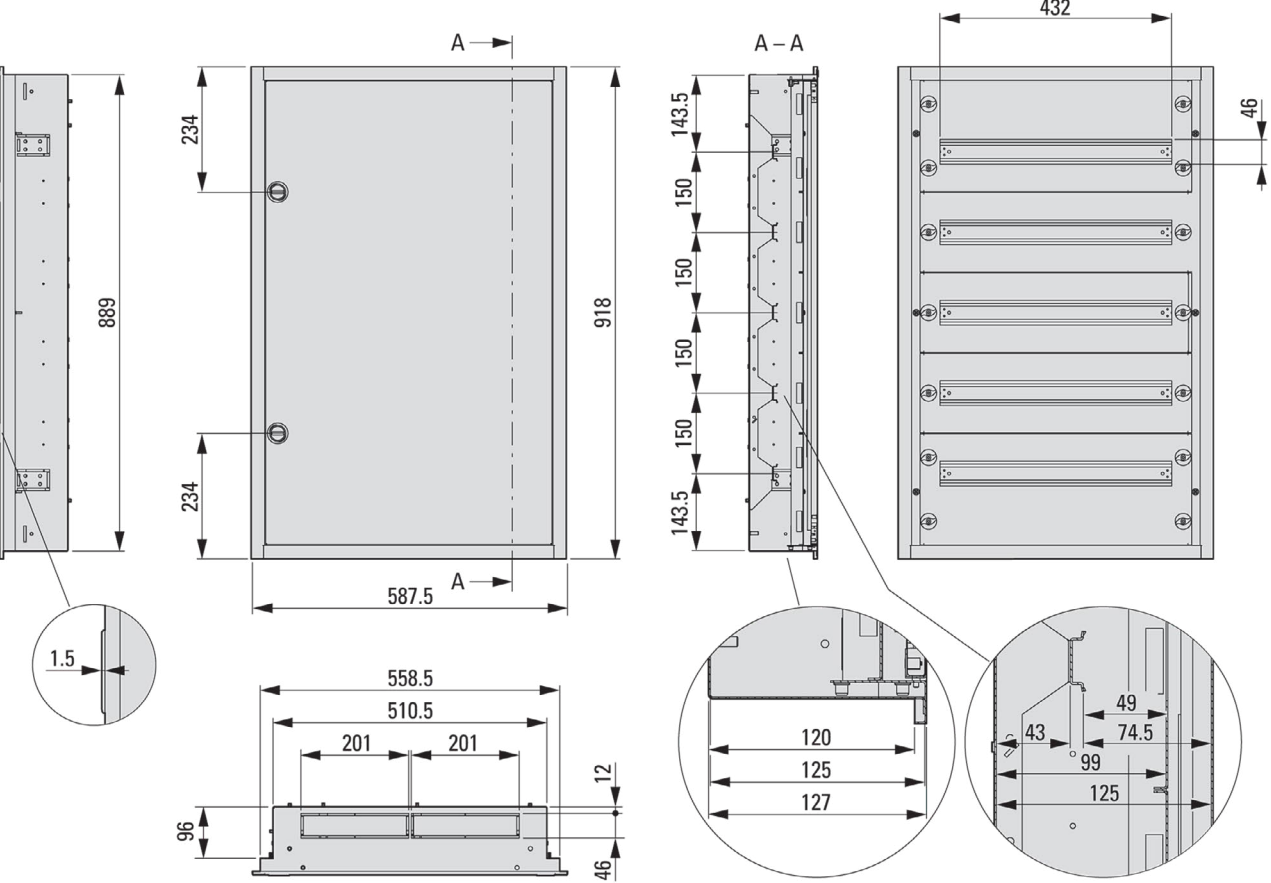


Dimensions (mm)

BF-U-3S-4/96-D125

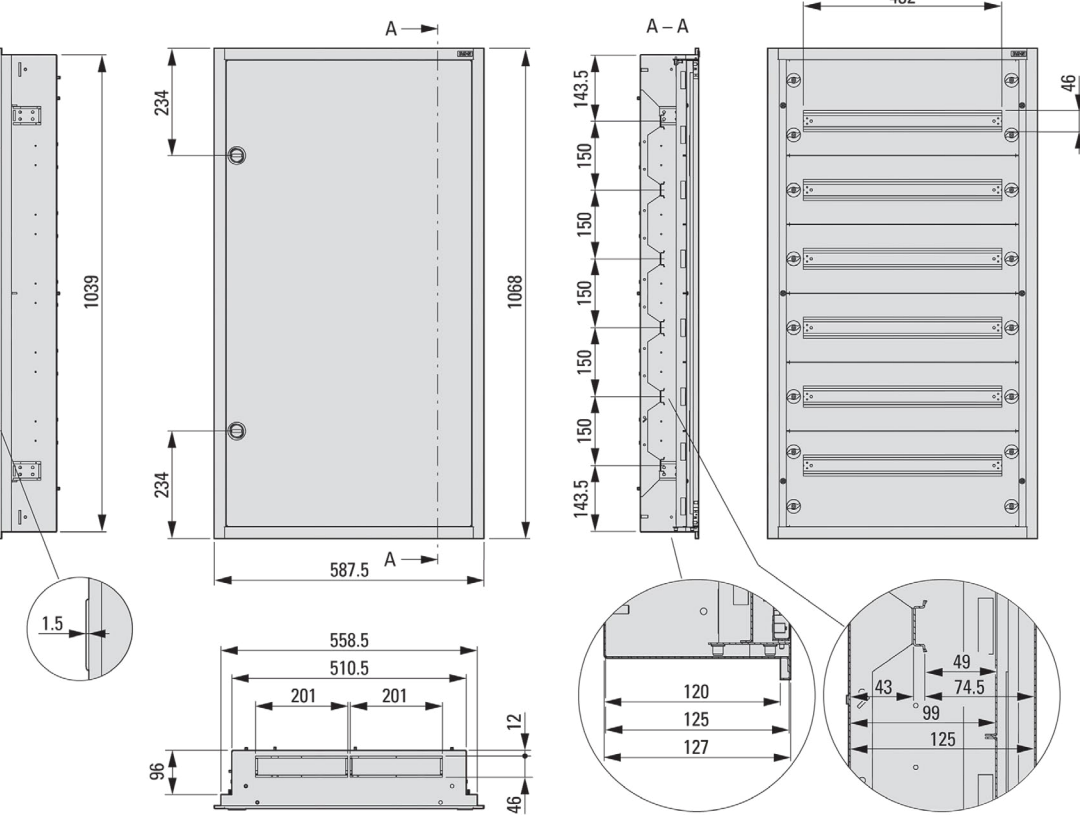


BF-U-3S-5/120-D125

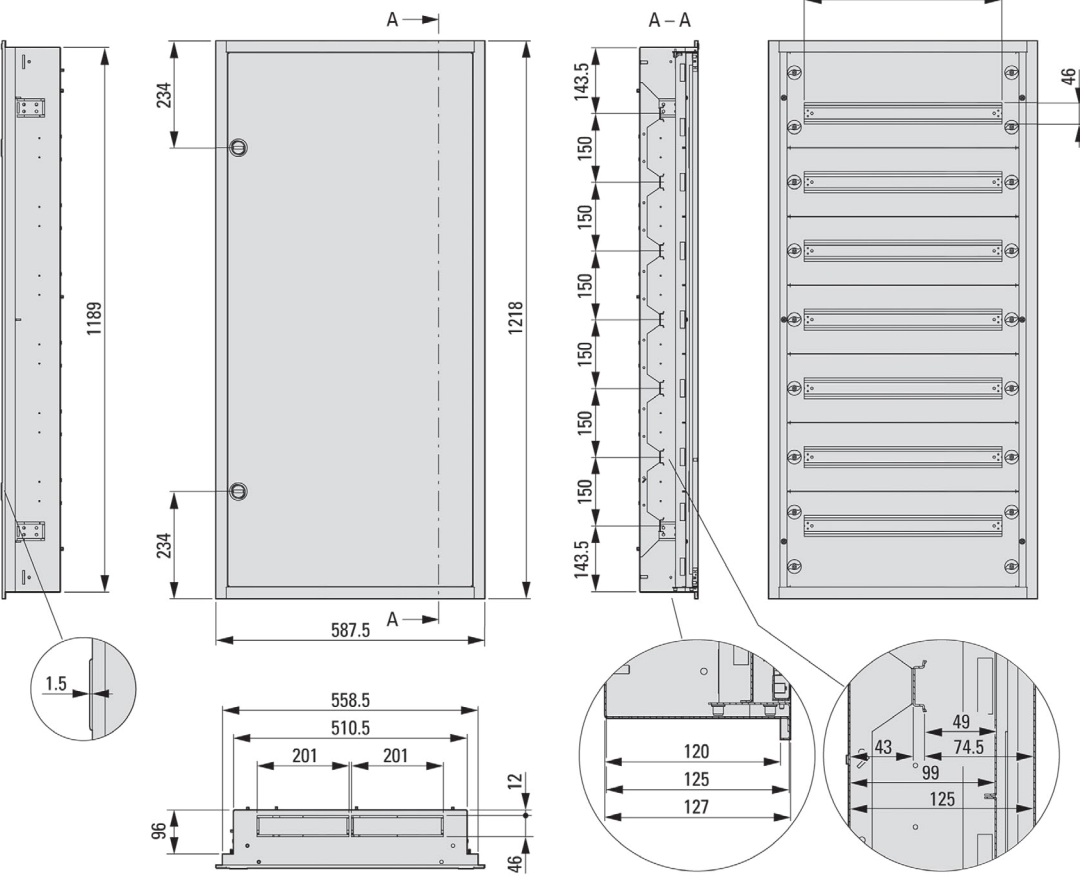


Dimensions (mm)

BF-U-3S-6/144-D125

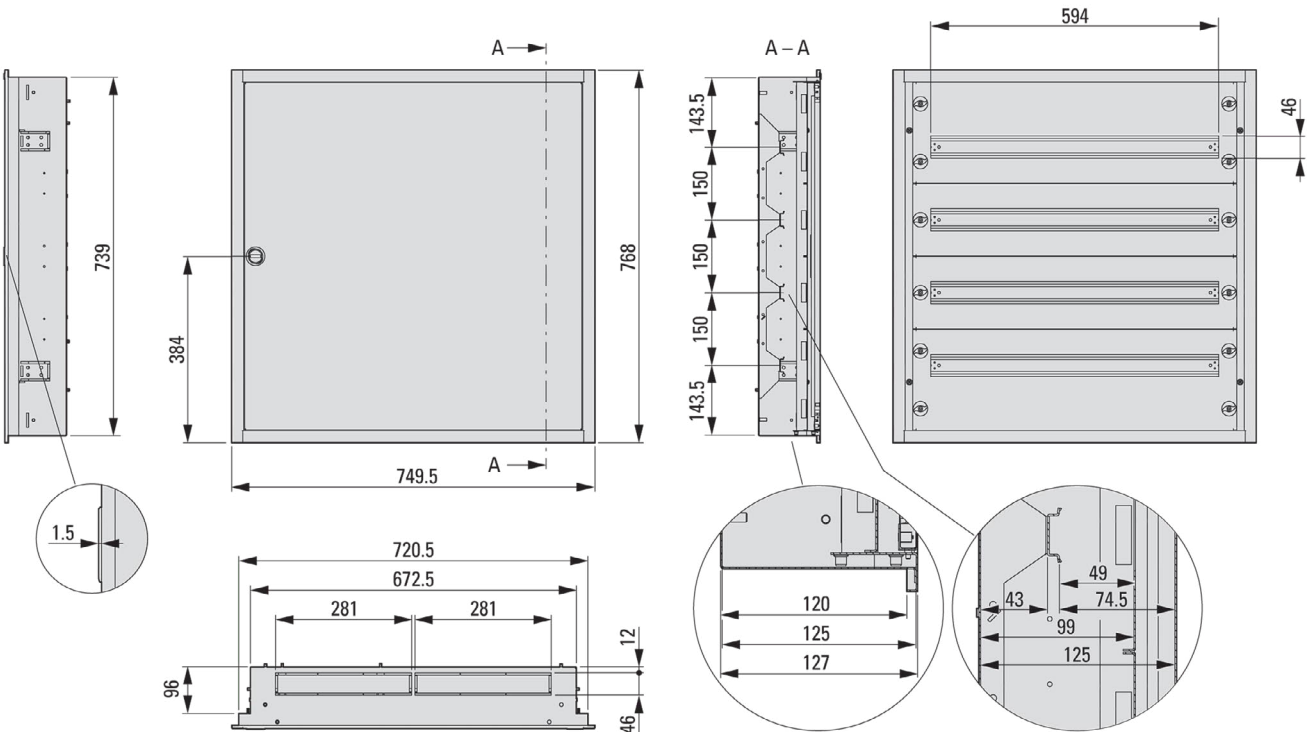


BF-U-3S-7/168-D125

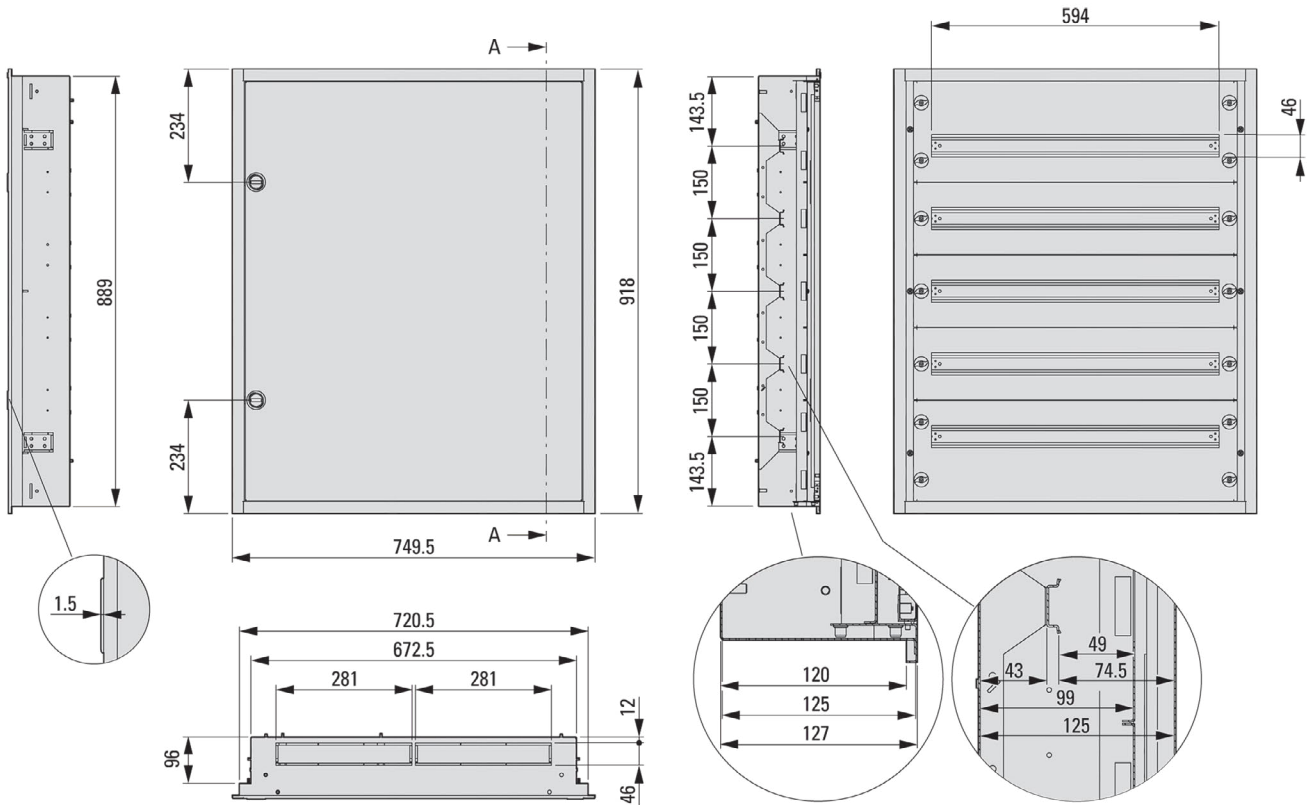


Dimensions (mm)

BF-U-3S-4/132-D125

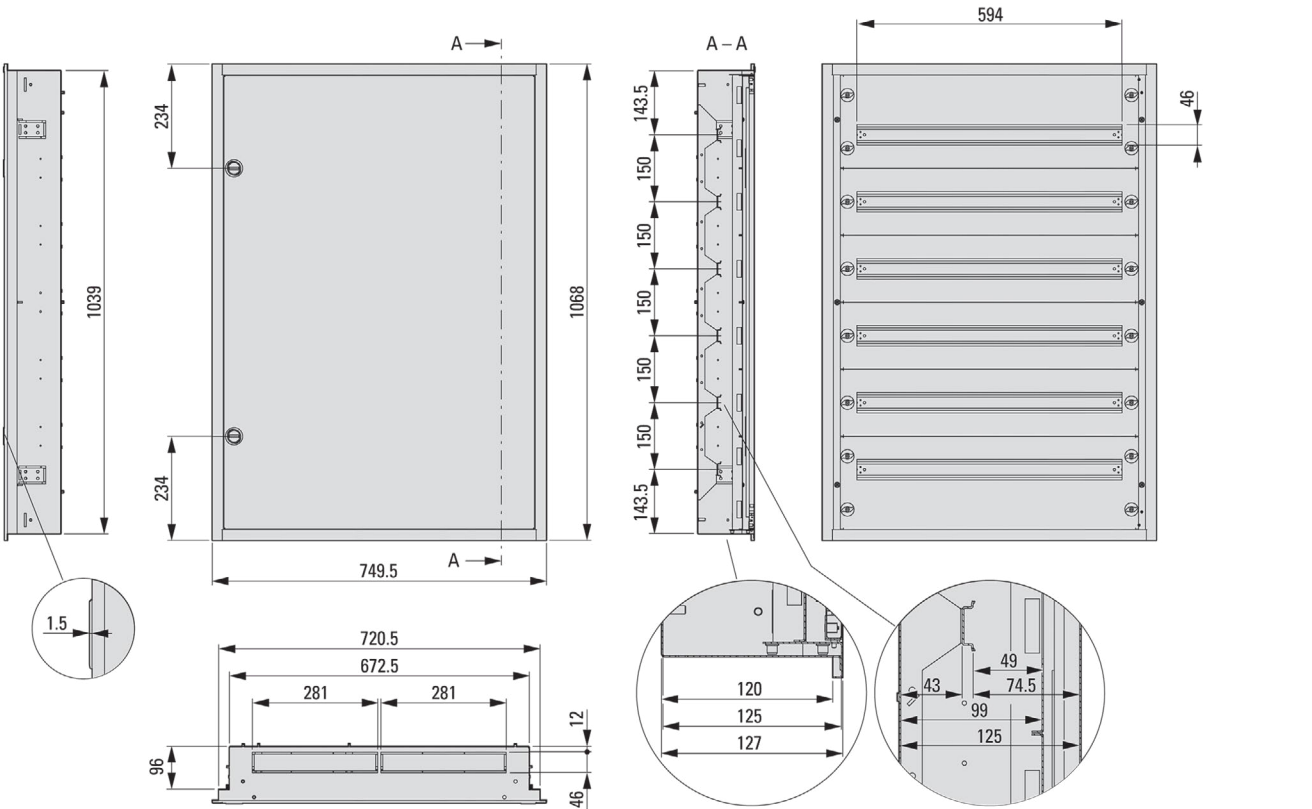


BF-U-3S-5/165-D125

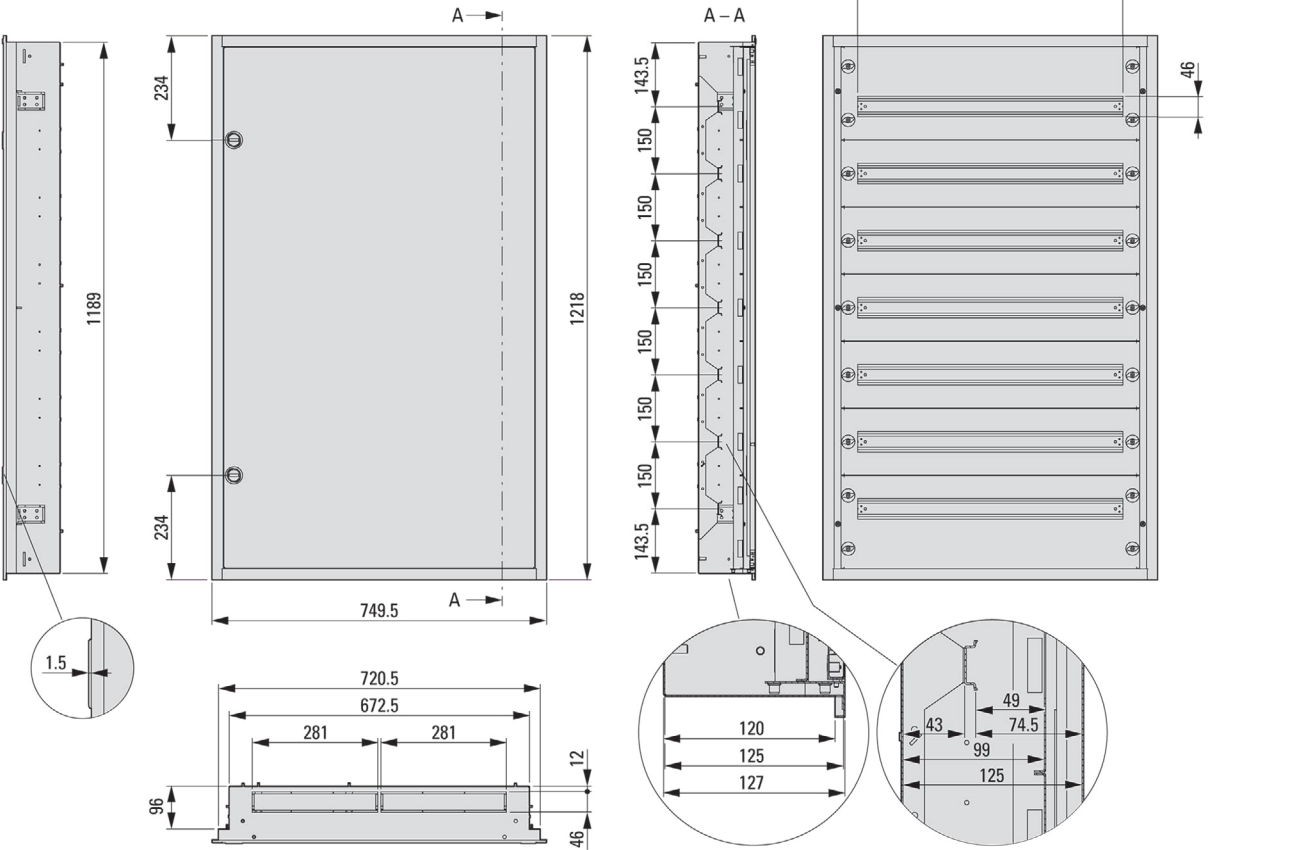


Dimensions (mm)

BF-U-3S-6/198-D125

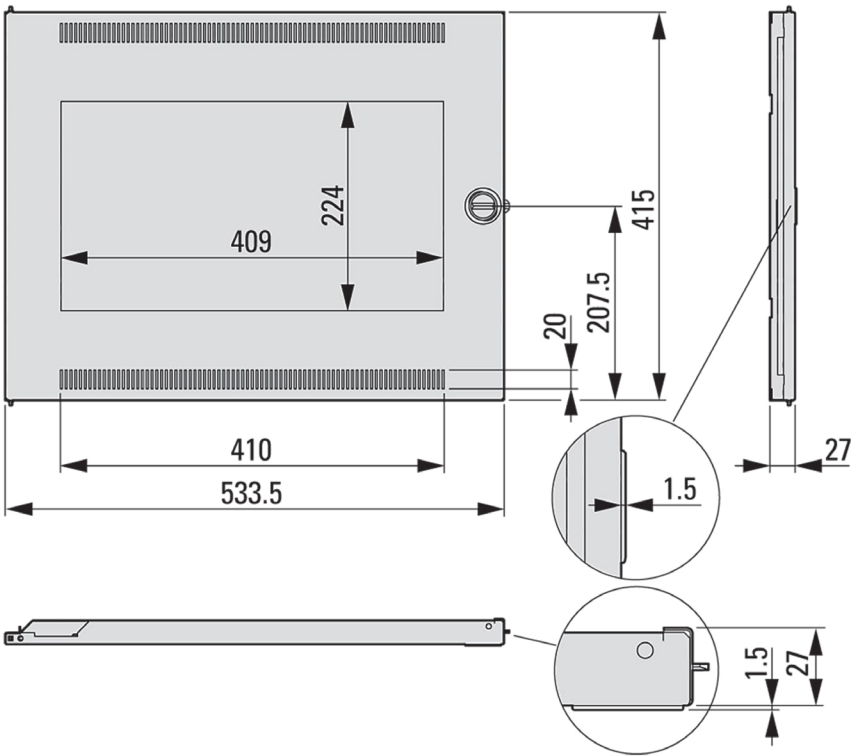


BF-U-3S-7/231-D125

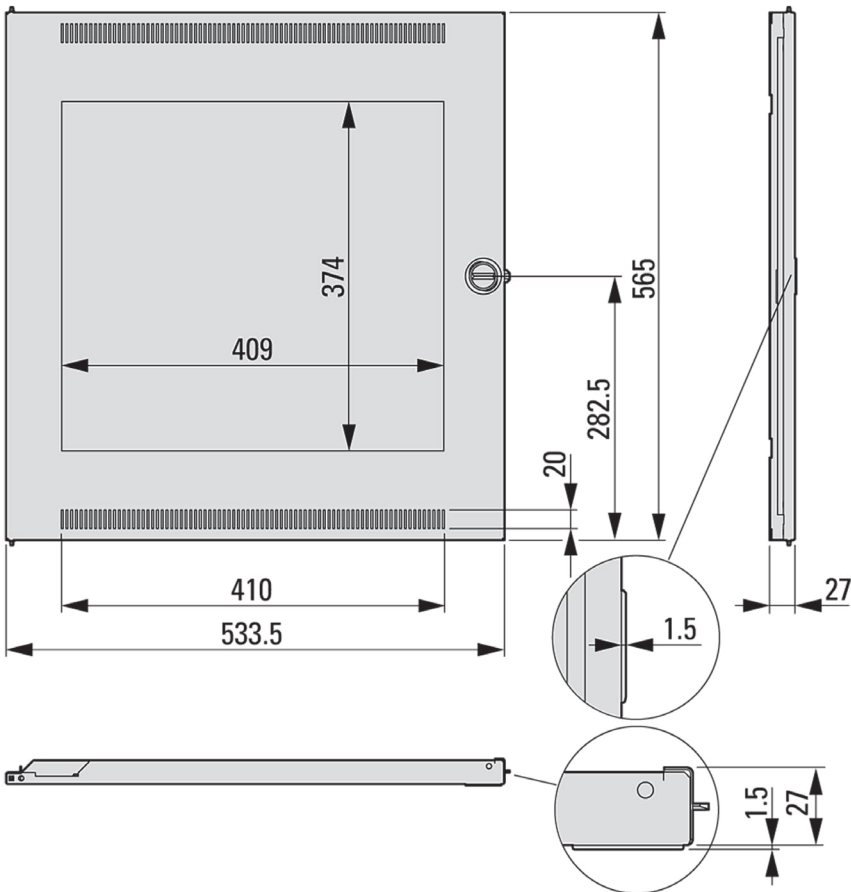


Dimensions (mm)

DTM-2/48-3S/2S-BF-U

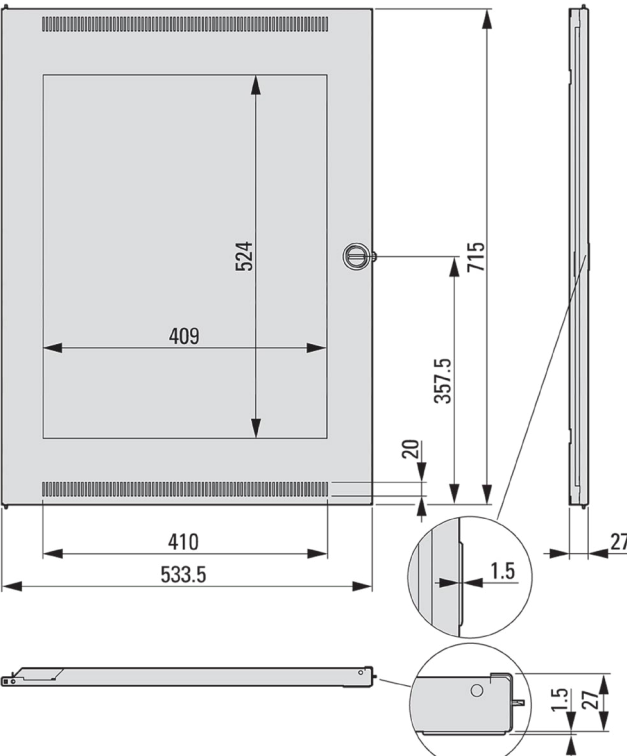


DTM-3/72-3S/2S-BF-U

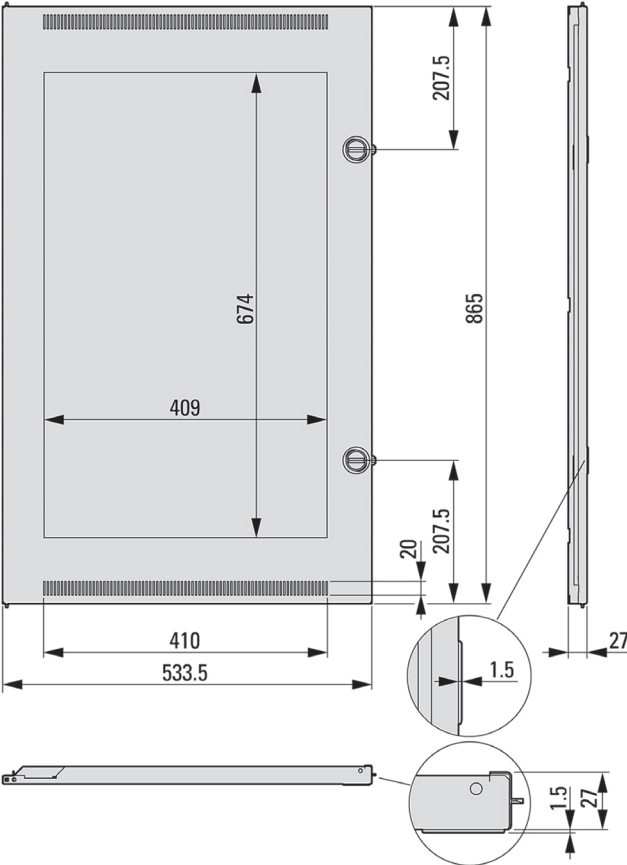


Dimensions (mm)

DTM-4/96-3S/2S-BF-U

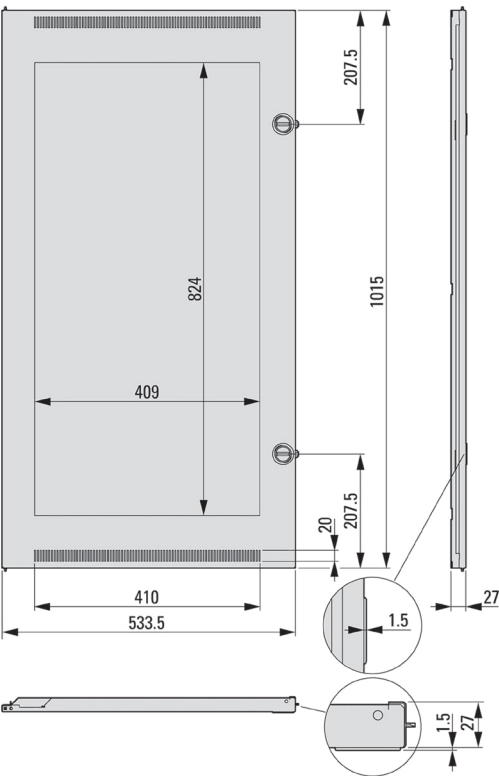


DTM-5/120-3S/2S-BF-U

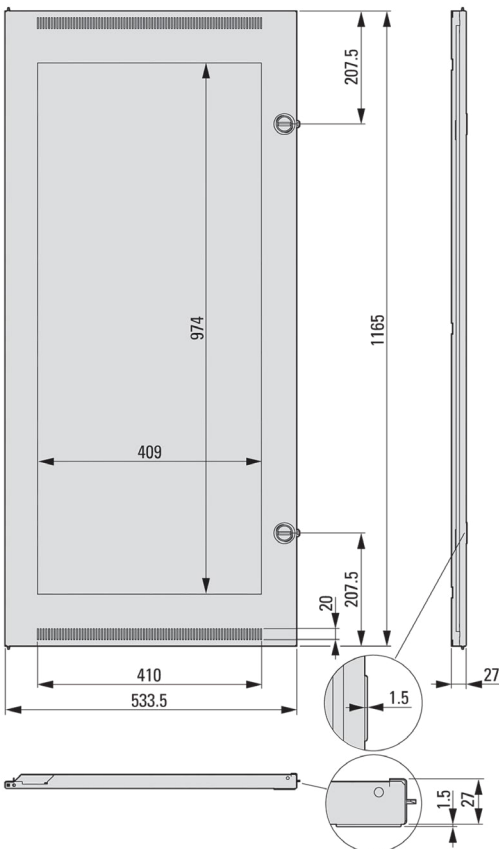


Dimensions (mm)

DTM-6/144-3S/2S-BF-U

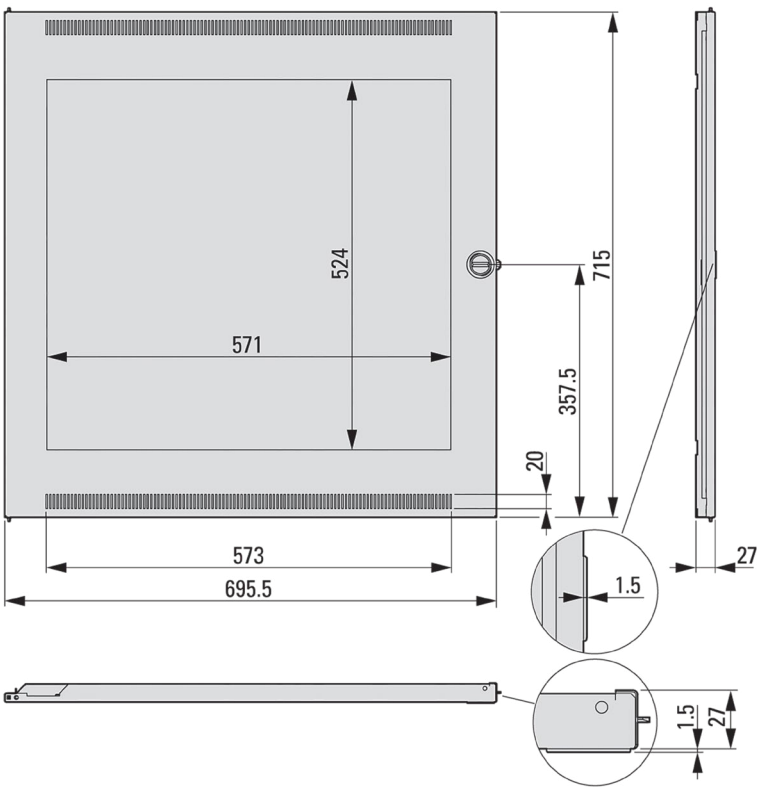


DTM-7/168-3S/2S-BF-U

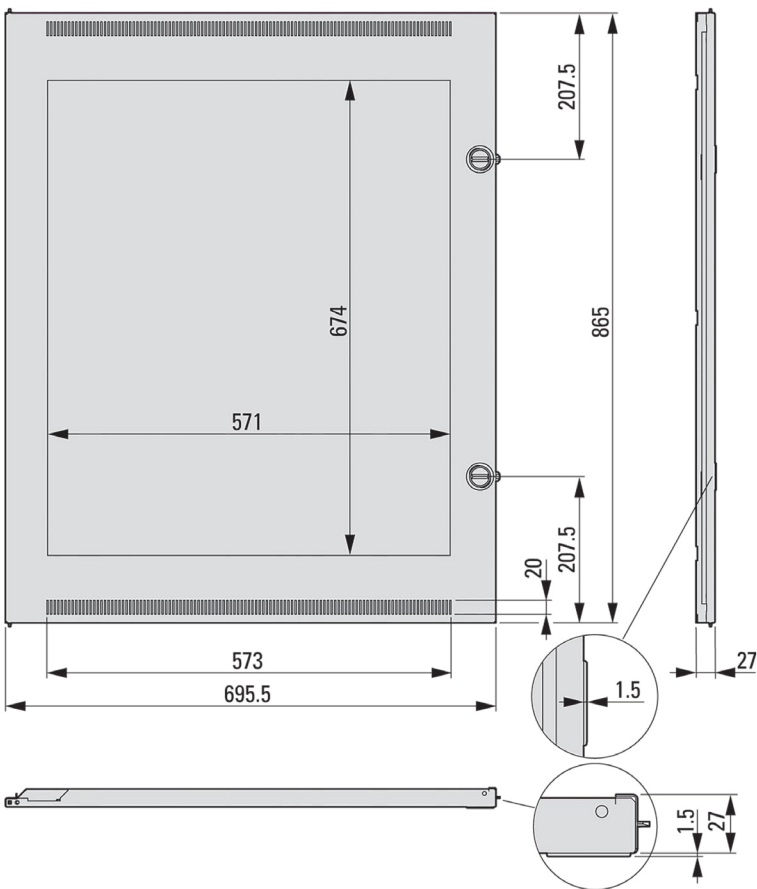


Dimensions (mm)

DTM-4/132-3S/2S-BF-U

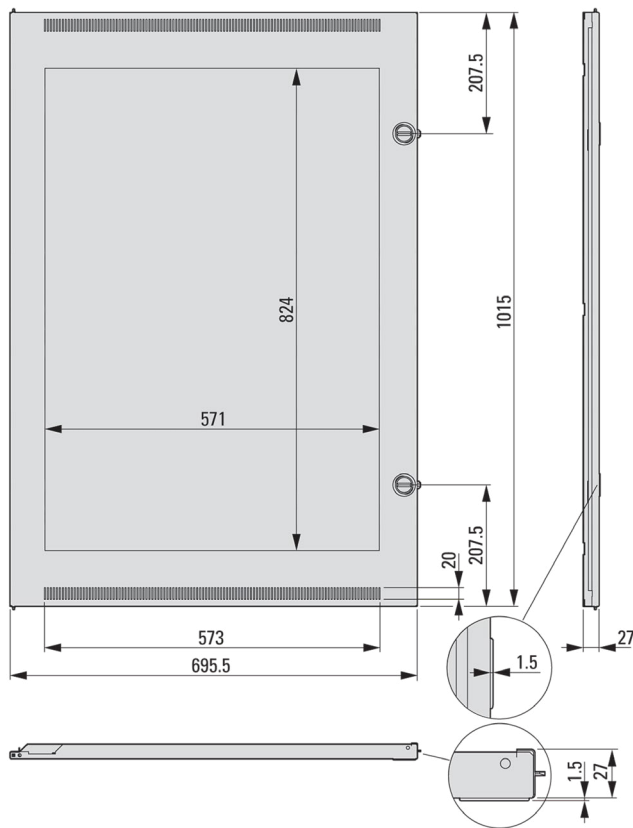


DTM-5/165-3S/2S-BF-U

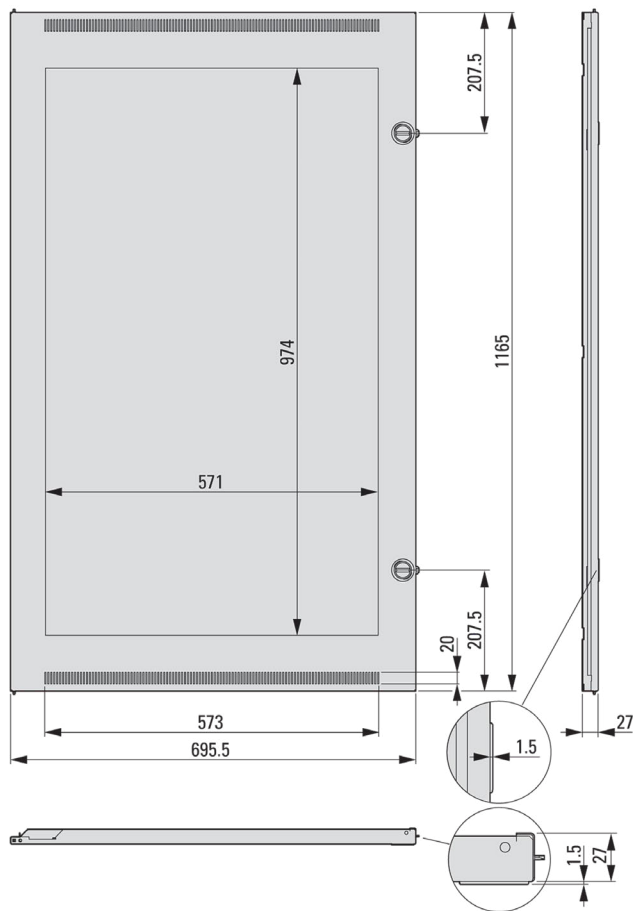


Dimensions (mm)

DTM-6/198-3S/2S-BF-U

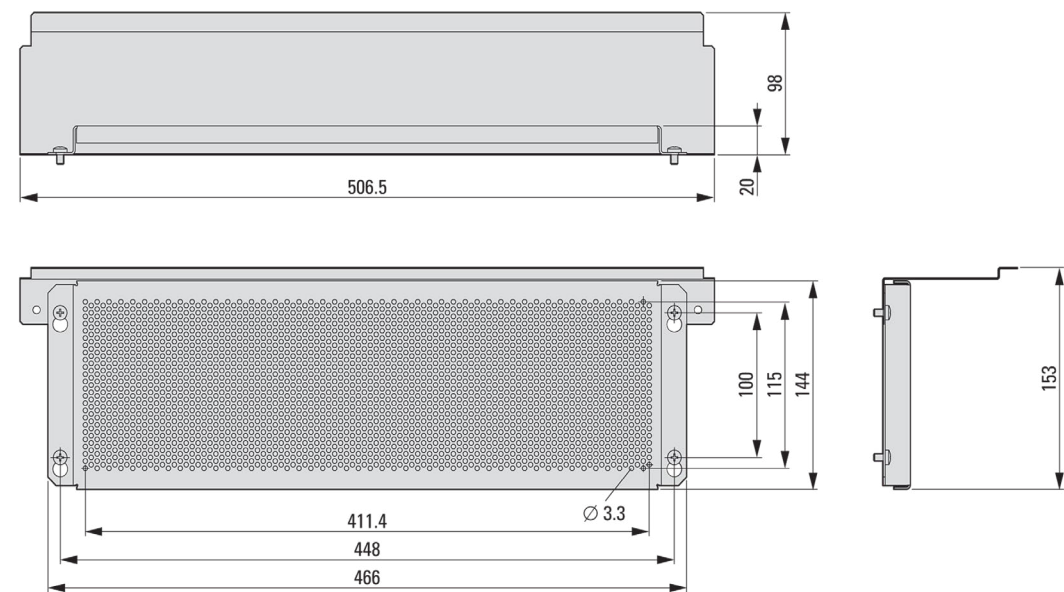


DTM-7/231-3S/2S-BF-U

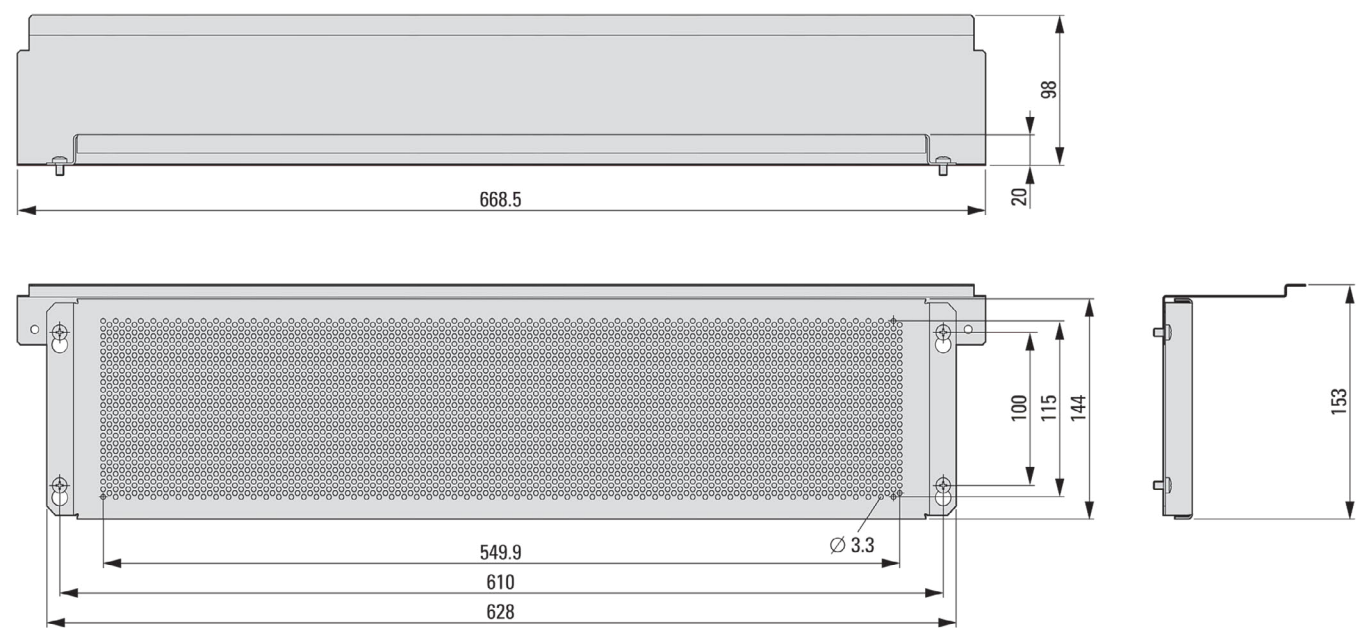


Dimensions (mm)

MIP-24-3S-BF-U



MIP-33-3S-BF-U



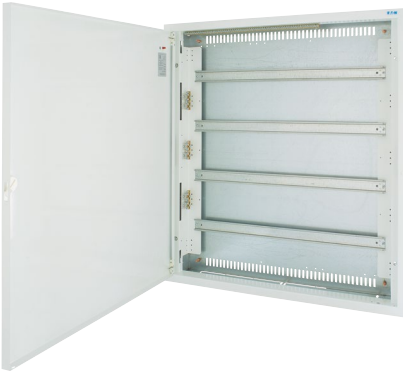
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Description

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

Indoor

RLC 62206

H

Type

Article No.

Pack

Designation

(pcs.)

MU per row / rows

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			
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

White, with Profiline door handle (suitable for upgrade to degree of protection of IP41)

24 / 3	BF-U-2S-3/72-100-E	302803	1
24 / 4	BF-U-2S-4/96-100-E	302804	1
24 / 5	BF-U-2S-5/120-100-E	302805	1
24 / 6	BF-U-2S-6/144-100-E	302806	1

White			
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

White, with Profiline door handle (suitable for upgrade to degree of protection of IP41)

33 / 5	BF-U-2S-5/165-100-E	302807	1
33 / 6	BF-U-2S-6/198-100-E	302808	1

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

White			
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

White, with Profiline door handle (suitable for upgrade to degree of protection of IP41)

24 / 3	BF-UT-2S-3/72-100-E	302809	1
24 / 4	BF-UT-2S-4/96-100-E	302810	1
24 / 5	BF-UT-2S-5/120-100-E	302811	1
24 / 6	BF-UT-2S-6/144-100-E	302812	1

White			
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

White, with Profiline door handle (suitable for upgrade to degree of protection of IP41)

33 / 5	BF-UT-2S-5/165-100-E	302813	1
33 / 6	BF-UT-2S-6/198-100-E	302814	1

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MU per row / rows

Type
Designation

Indoor

 IEC 62208



Article No.

Pack
(pcs.)

BF-UTM-2S Flush-mounted/Hollow-wall Media Distibution 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

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

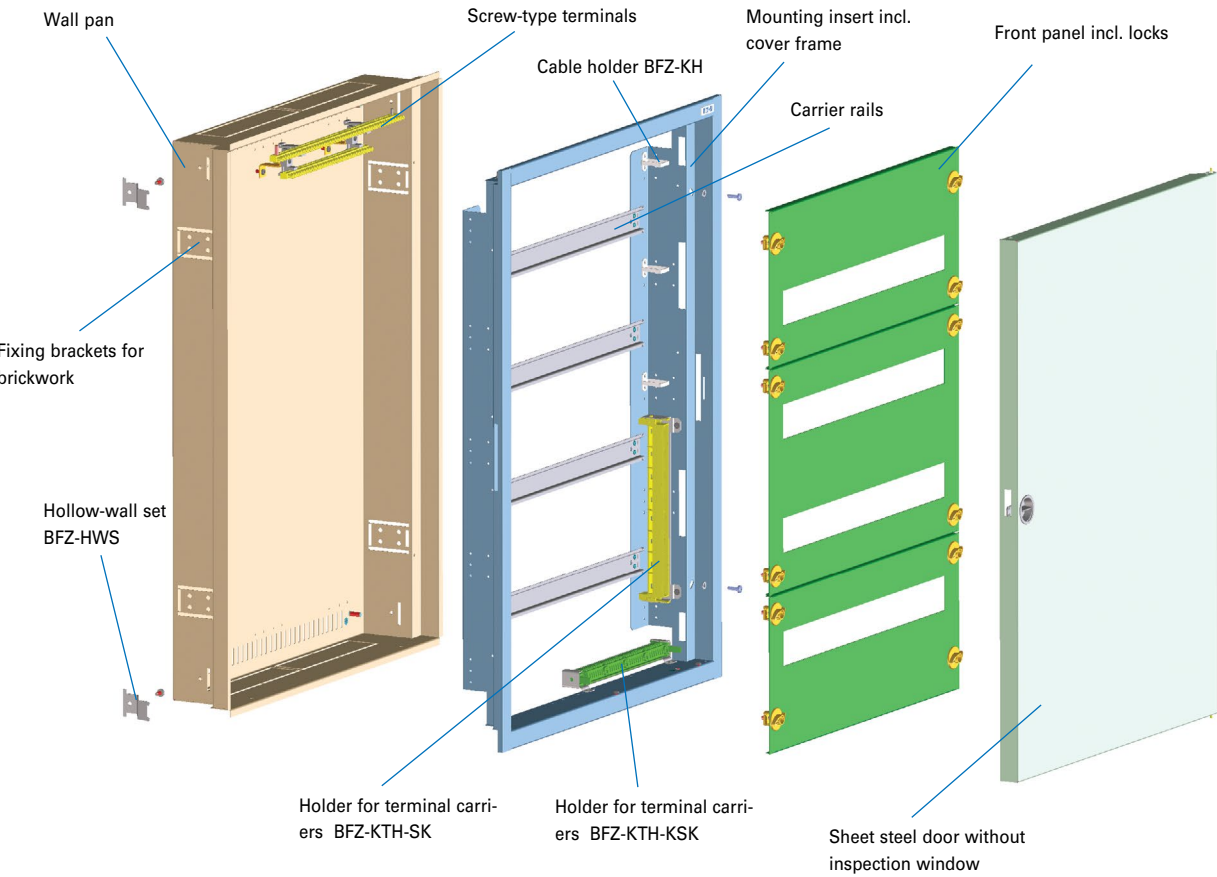
Technical Data

BF-U(T(M))-2S-./...-100		
Electrical		
Version according to	IEC/EN 61439-1/3; IEC/EN 62208	
Degree of protection	IP30, IP41 (with special sealing kit)	
Protection class	I	
Impact resistance	IK07 (version with sheet steel door and inspection window) IK08 (version with sheet steel door, no inspection window)	
Rated voltage	240/415 V AC @ 50/60 Hz	
Rated insulation voltage	415 V AC	
Rated current range	max. 125 A	
Max. power loss of all devices installed in the distribution board at 35 °K difference in temperature (ΔT) *):		
BF-U(T)-2S-2/48-100	54 W	
BF-U(T)-2S-3/72-100	66 W	
BF-U(T)-2S-4/96-100	78 W	
BF-U(T)-2S-5/120-100	90 W	
BF-U(T)-2S-6/144-100	102 W	
BF-U(T)-2S-4/132-100	101 W	
BF-U(T)-2S-5/165-100	115 W	
BF-U(T)-2S-6/198-100	130 W	
* the ambient temperature was defined as 35 °C		
Mechanical		
Wall pan	Sheet steel, galvanized	
Mounting insert with cover frame	Sheet steel, phosphatized and powder-coated, RAL 9016	
Door with/without inspection window	Sheet steel, phosphatized and powder-coated, RAL 9016	
Inspection window	PVC transparent	
Support rail for devices	Sheet steel, galvanized	
Distance between carrier rails	150 mm	
Mounting plate (for the media distribution board only)	Sheet steel, galvanized	
Type of installation	Indoor	
N/PE terminal equipment (max. 63 A)	N	PE
BF-U(T)-2S-2/48-100	1x KL29 + 1x KL7	1x KL45
BF-U(T)-2S-3/72-100	1x KL29 + 2x KL7	1x KL45
BF-U(T)-2S-4/96-100	1x KL29 + 3x KL7	1x KL45
BF-U(T)-2S-5/120-100	1x KL29 + 4x KL7	1x KL45
BF-U(T)-2S-6/144-100	1x KL29 + 5x KL7	1x KL45
BF-U(T)-2S-4/132-100	1x KL45 + 3x KL7	1x KL60
BF-U(T)-2S-5/165-100	1x KL45 + 4x KL7	1x KL60
BF-U(T)-2S-6/198-100	1x KL45 + 5x KL7	1x KL60
Definition of terminal points according to type		
KL7	1x 25 mm² / 6x 16 mm²	
KL29	2x 25 mm² / 27x 16 mm²	
KL45	2x 25 mm² / 43x 16 mm²	
KL60	2x 25 mm² / 58x 16 mm²	

Functional product features

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

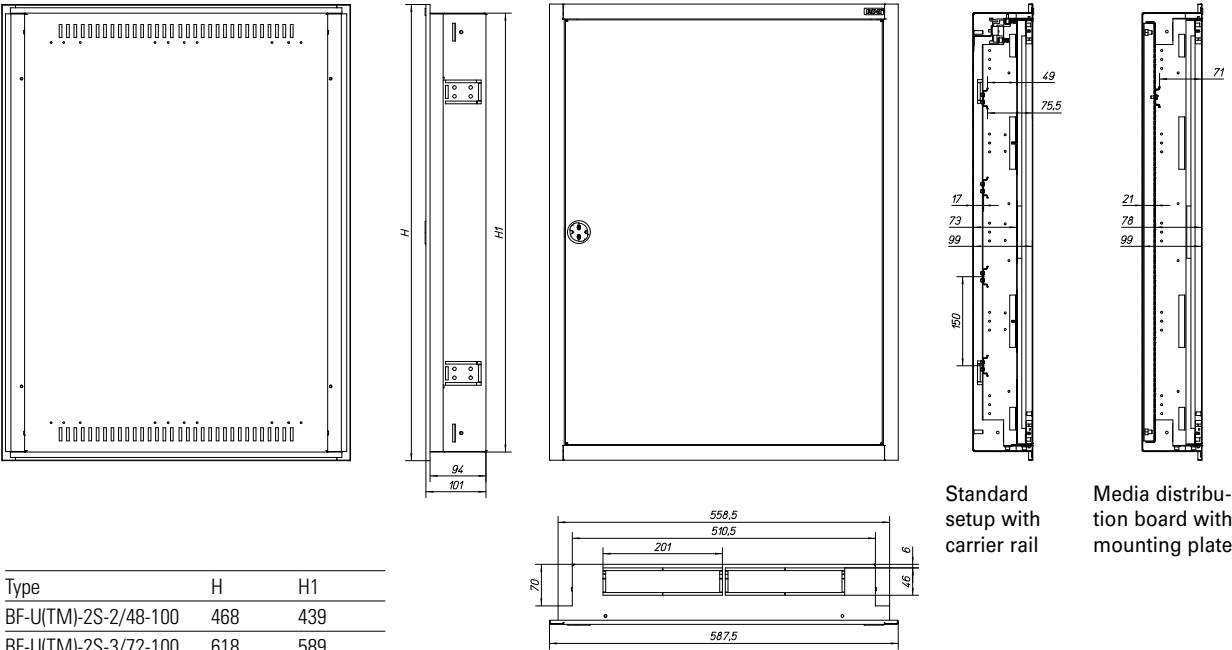
Overview of the individual components



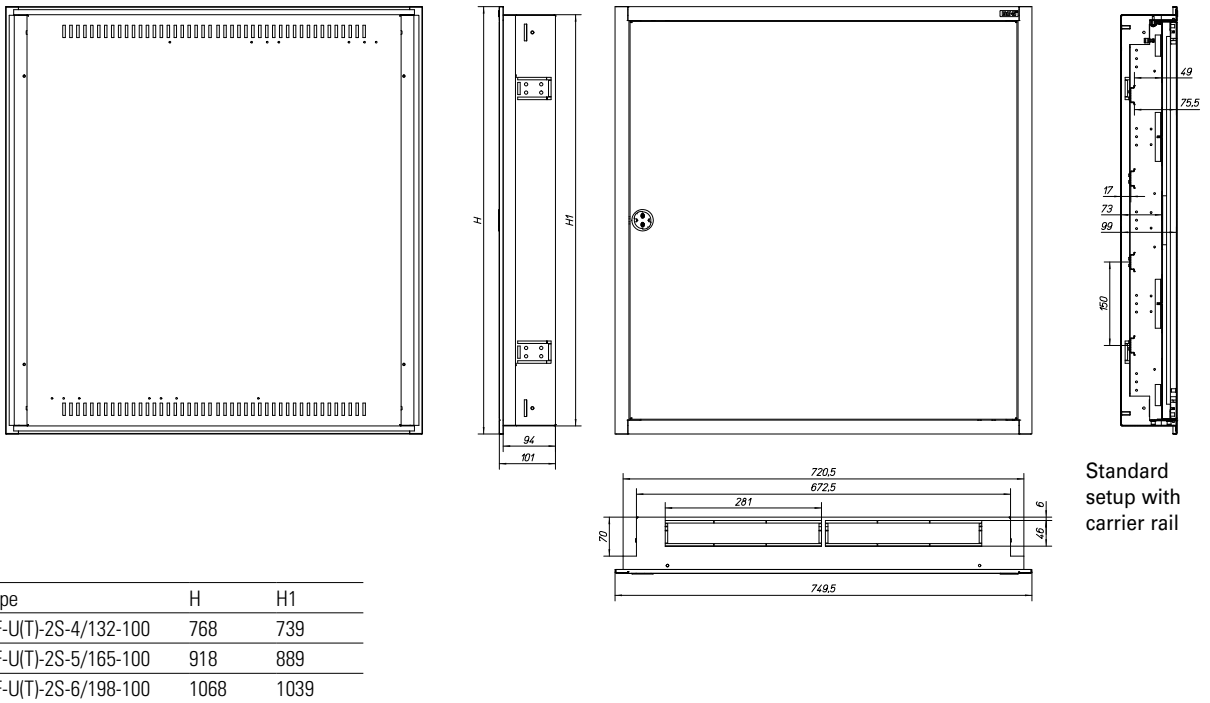
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Dimensions (mm)

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



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





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Description

- Flush-mounted Flat Distribution Boards
- 2- to 6-rows 24 MUs/row (versions A, E, C)
- 4- to 6-rows 33 MUs/row (versions A, C, P)
- IP30
- Protection class I
- Sheet steel enclosure polyesterpowder coated (white RAL 9016;4)
- 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

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MU per row / rows

Type
Designation

Indoor


IEC 62208



Article No.

Pack
(pcs.)

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

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

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

White

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

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	56 W	
BF-U-3/72	69 W	
BF-U-4/96	81 W	
BF-U-4/132	104 W	
BF-U-5/120	94 W	
BF-U-5/165	118 W	
BF-U-6/144	106 W	
BF-U-6/198	134 W	
Mechanical		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
BF-U-2/48	2x 25 + 9x 16	2x 25 + 27x 16
BF-U-3/72	2x 25 + 9x 16	2x 25 + 27x 16
BF-U-4/96	2x 25 + 9x 16	2x 25 + 43x 16
BF-U-4/132	2x 25 + 9x 16	2x 25 + 58x 16
BF-U-5/120	2x 25 + 9x 16	2x 25 + 58x 16
BF-U-5/165	2x 25 + 9x 16	2x 25 + 74x 16
BF-U-6/144	2x 25 + 9x 16	2x 25 + 58x 16
BF-U-6/198	2x 25 + 9x 16	2x 25 + 74x 16

Cable entries above

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

Cable entries below

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

MU per row / rows	Type Designation	Indoor  IEC 62208 		
		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-./...-P Flush-mounted Flat Distribution Boards, without inspection window, complete

White

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

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

White

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

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

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

Enclosure:

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

Wall pan:

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

Door:

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

DIN rail frame:

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

Front plate:

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

Technical Data

BF-U-./..-P			
Electrical			
Version according to	IEC/EN 61439-1/3; IEC/EN 62208		
Degree of protection	IP30 according to EN 60529		
Protection class	I		
Rated voltage	240/415 V AC; 50/60 Hz		
Rated insulation voltage	415 V AC		
Rated current range	max. 125/160 A (according to Incoming switch)		
Max. power loss for all devices integrated in the flat distribution board at an ambient temperature of 35 °C:			
BF-U-3/72	69 W		
BF-U-4/96	81 W		
BF-U-5/120	94 W		
BF-U-6/144	106 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)

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MU per row / rows

Type
Designation

Indoor

 IEC 62208



Article No.

Pack
(pcs.)

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

- 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-./...-C Flush-mounted Flat Distribution Boards, without inspection window, complete

White

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

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 in the scope of delivery
- Steel sheet door with window is available as accessory (BFZ-OTT.../...)
- 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	56 W	
BF-U(T)-3/72	69 W	
BF-U(T)-4/96	81 W	
BF-U(T)-4/132	104 W	
BF-U(T)-5/120	94 W	
BF-U(T)-5/165	118 W	
BF-U(T)-6/144	106 W	
BF-U(T)-6/198	134 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 + 43x 16	2x 25 + 43x 16
BF-U-3/72	2x 25 + 43x 16	2x 25 + 43x 16
BF-U-4/96	2x 25 + 43x 16	2x 25 + 43x 16
BF-U-4/132	2x 25 + 58x 16	2x 25 + 58x 16
BF-U-5/120	2x 25 + 43x 16	2x 25 + 43x 16
BF-U-5/165	2x 25 + 58x 16	2x 25 + 58x 16
BF-U-6/144	2x 25 + 43x 16	2x 25 + 43x 16
BF-U-6/198	2x 25 + 58x 16	2x 25 + 58x 16

Cable entries above

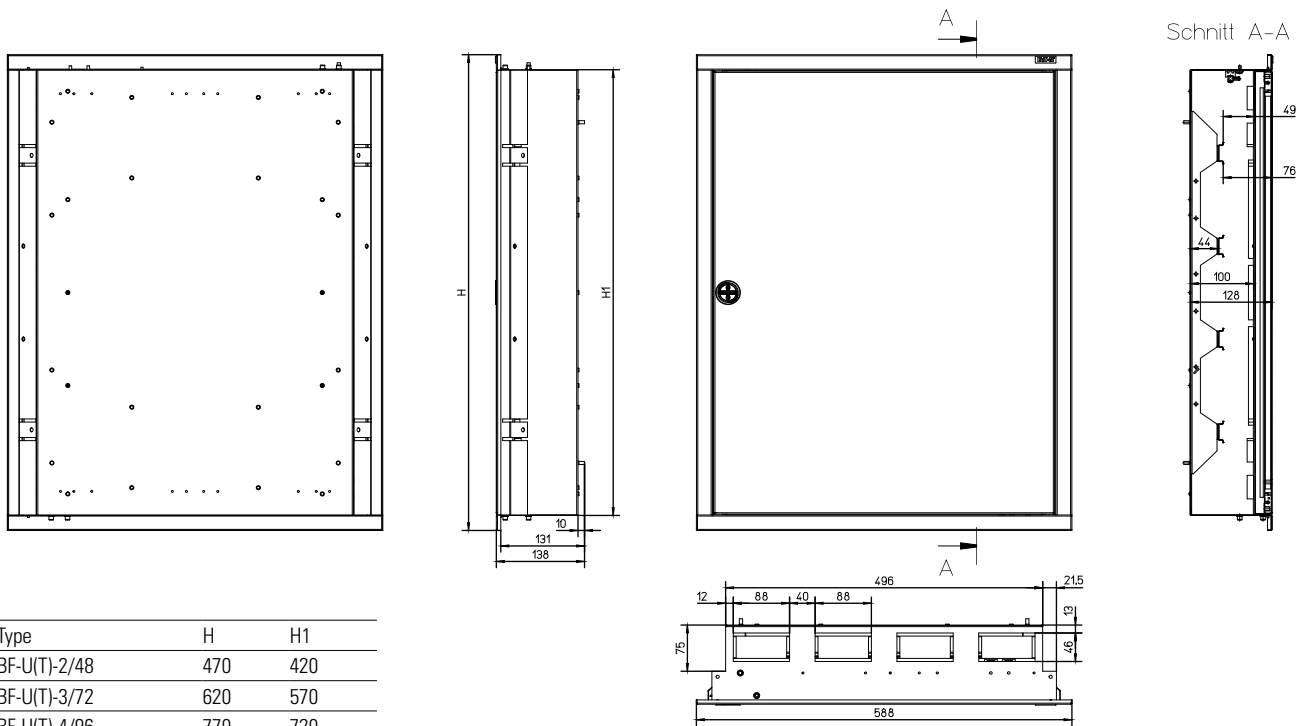
24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46mm)

Cable entries below

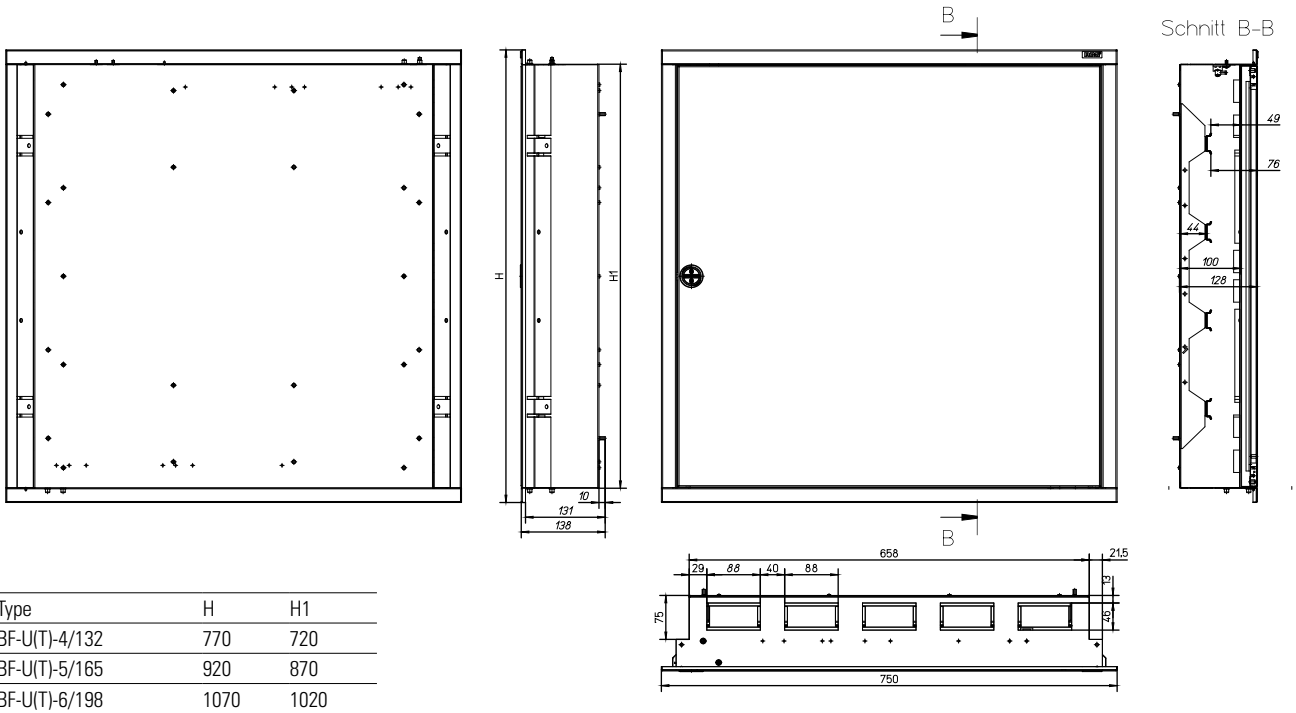
24 MUs per row	33 MUs per row
Relief stamp: 4x (88x46 mm)	Relief stamp: 5x (88x46mm)

Dimensions (mm)

Flush-mounting Flat Distribution Boards with 24 MUs per row



Flush-mounting Flat Distribution Boards with 33 MUs per row

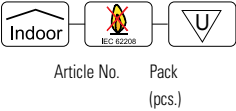


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MU per row / rows

Type
Designation



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

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

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

White

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, IP41 (with special sealing kit)	
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	56 W	
BF-U-3/72	69 W	
BF-U-4/96	81 W	
BF-U-5/120	94 W	
BF-U-6/144	106 W	
Mechanical		
Enclosure	Steel sheet, polyester powder coated	
Door	Steel sheet, polyester powder coated	
Front panels	Steel sheet, polyester powder coated	
DIN rail frame	Sheet steel, galvanized	
Terminal support	PPO	
Colour	white RAL 9016	
Distance between DIN rails	150 mm	
N/PE terminal equipment (max. 63 A)	N [mm²]	PE [mm²]
BF-U-2/48	2x 25 + 13x 16	2x 25 + 13x 16
BF-U-3/72	2x 25 + 13x 16	2x 25 + 13x 16
BF-U-4/96	2x 25 + 27x 16	2x 25 + 27x 16
BF-U-5/120	2x 25 + 27x 16	2x 25 + 27x 16
BF-U-6/144	2x 25 + 27x 16	2x 25 + 27x 16

Cable entries above

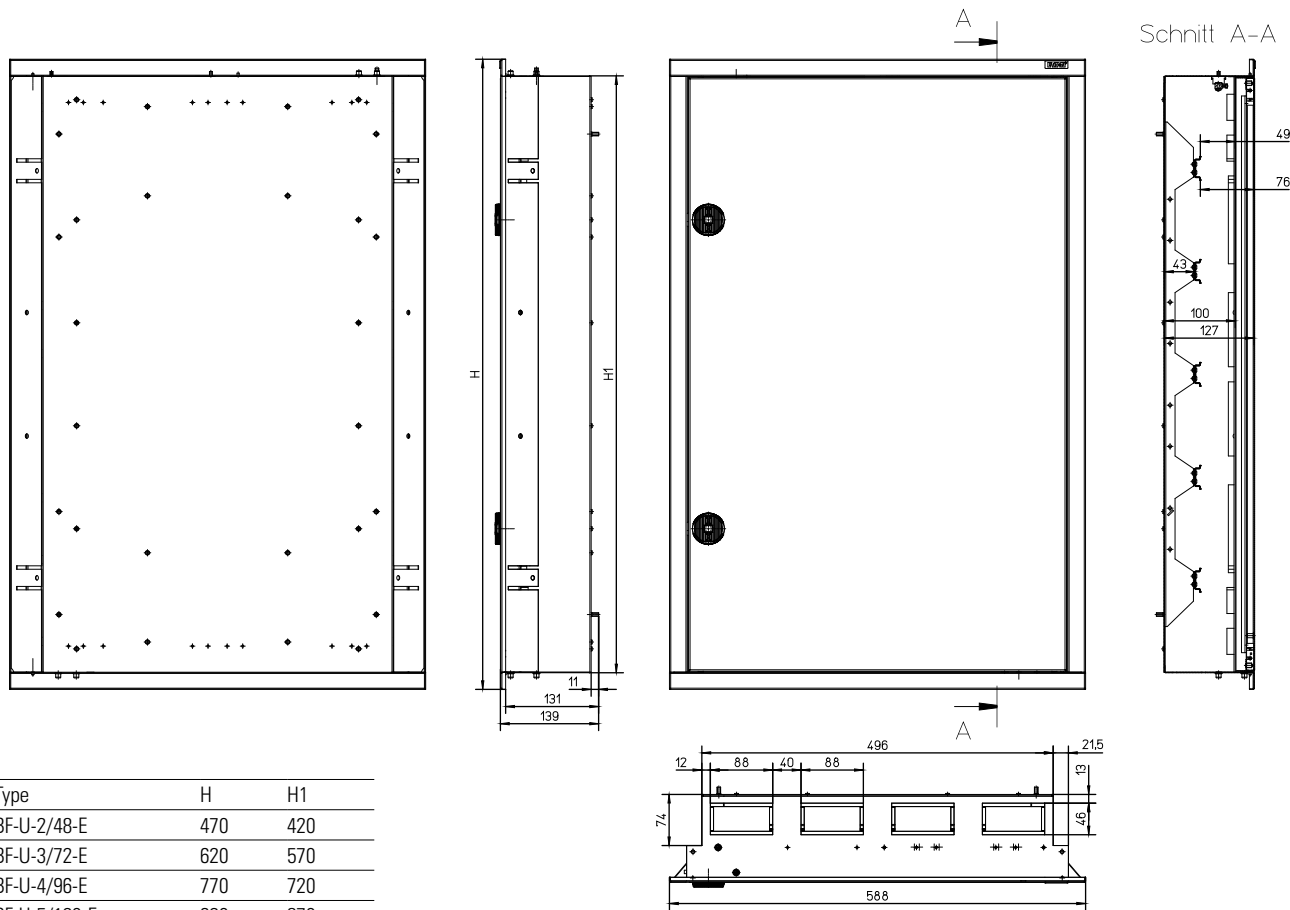
24 MUs per row	
Relief stamp:	4x (88x46 mm)

Cable entries below

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

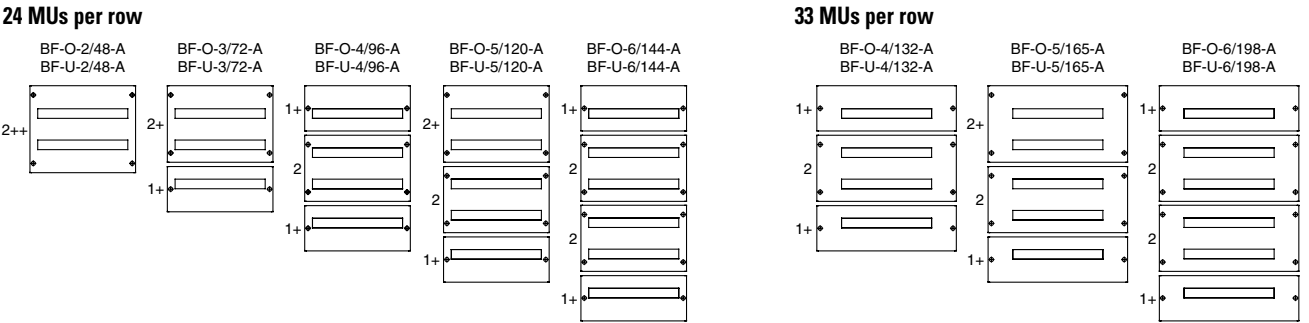
Dimensions (mm)

Flush-mounting Flat Distribution Boards with 24 MUs per row

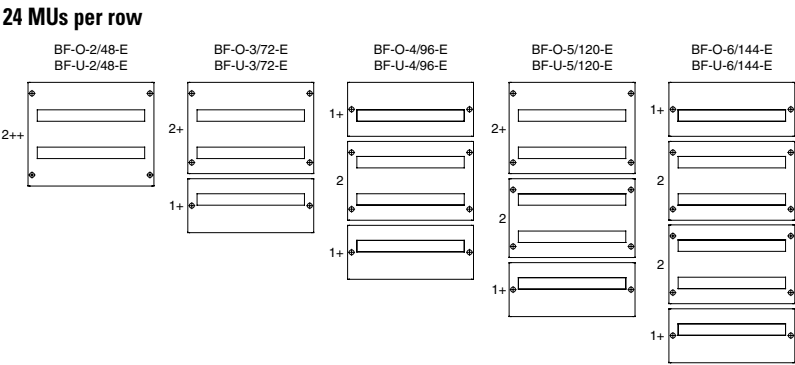


Allocation of front plate

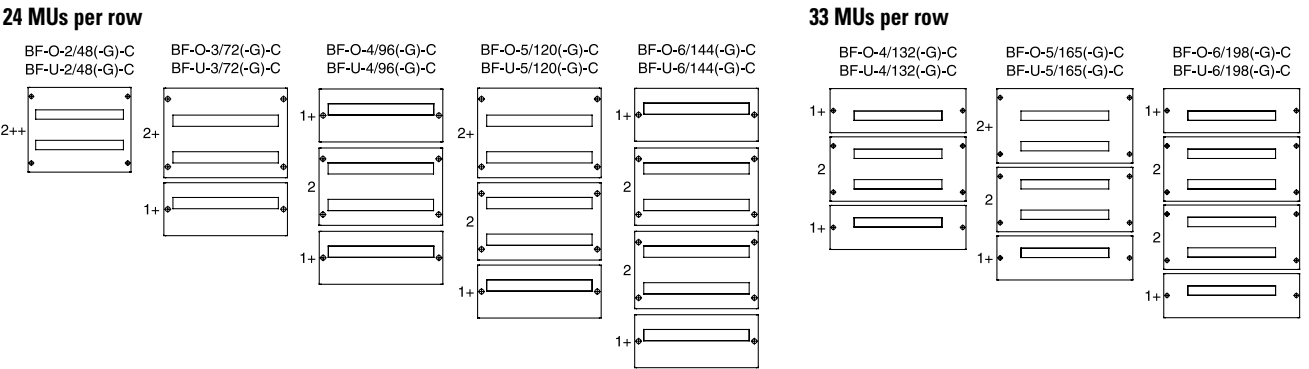
Allocation of front plate (delivery status), Version A



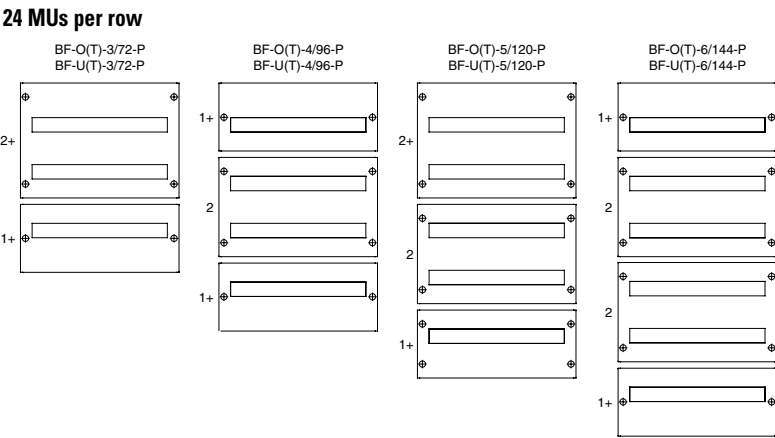
Allocation of front plate (delivery status), Version E



Allocation of front plate (delivery status), Version C



Allocation of front plate (delivery status), Version P





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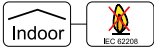


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Description

- 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 polyesterpowder coated (white RAL 9016;)
- Prepared for Eaton MCCB Incoms
- Metal front plates with contact point at the enclosure
- Removable DIN rail frame
- Generous wiring space
- 150 mm DIN rail distance (ideal for switchgear busbar system)
- Complete enclosure (including N/PE terminals)
- Depth: 140 mm
- Universal mounting plate



MU per row / rows

Type
Designation

Article No.
Pack
(pcs.)

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

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

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

White

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



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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:

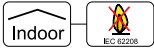
- Removable DIN rail frame
- For 45 mm Switchgear
- 150 mm distance between DIN rails
- Eaton MCCB integrate able by mounting set (BFZ-NZM1-SET/(33))
- EUniversal mounting set for flush mounted enclosure (BFZ-O-ITMPL...)

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, IP41 (with special sealing kit)	
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-./...-P Surface-mounted Flat Distribution Boards, without inspection window, complete

White

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



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

White

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



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

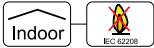
BF-O-./.-P			
Electrical			
Version according to	IEC/EN 61439-1/3; IEC/EN 62208		
Degree of protection	IP30 according to EN 60529, IP41 (with special sealing kit)		
Protection class	I		
Rated voltage	240/415 V AC; 50/60 Hz		
Rated insulation voltage	415 V AC		
Rated current range	max. 125/160 A (according 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
 - Door with Rotary Door handle
 - DIN rail frame
 - Cable Entry Flange (above)
 - Front panels
 - Protective and neutral conductor terminals

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

White

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



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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 in the scope of delivery
- Steel sheet door with window is available as accessory (BFZ-OTT-.../...)
- 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, IP41 (with special sealing kit)	
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	
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

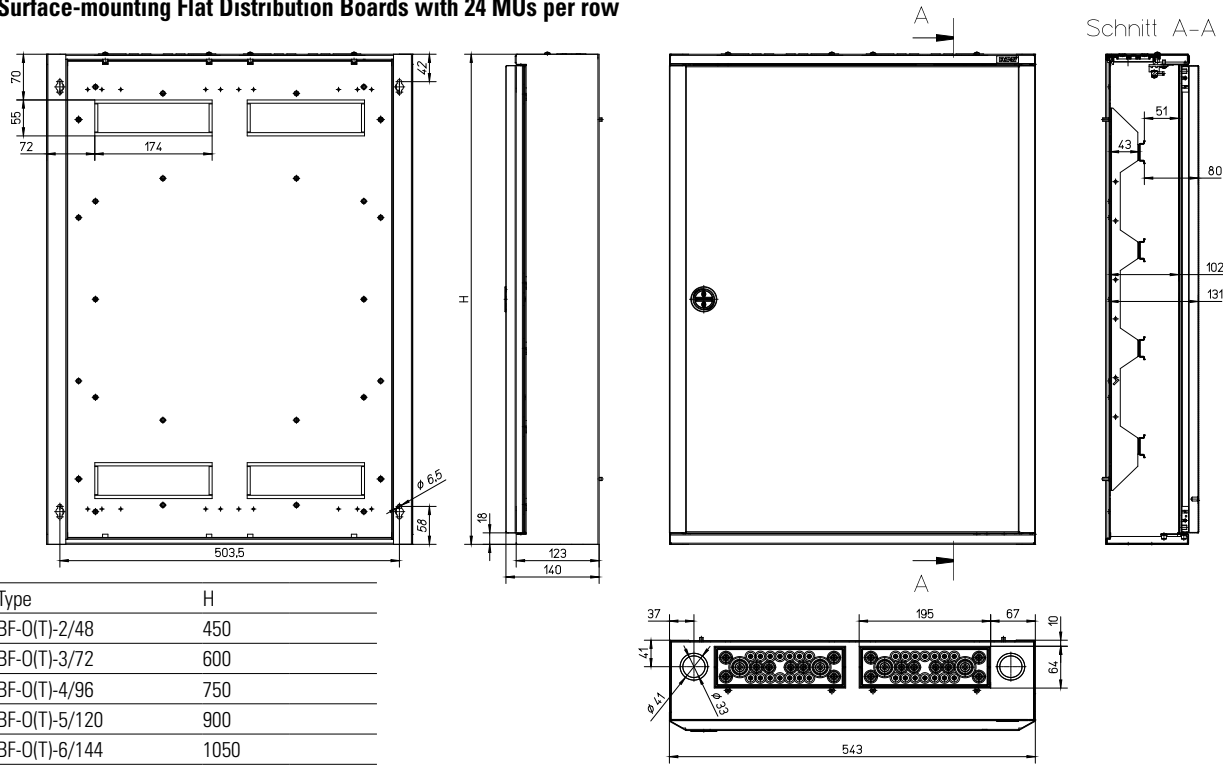
24 MUs per row		33 MUs per row	
2x Flange:	14x ø11mm	3x Flange:	14x ø11mm
	8x ø15mm		8x ø15mm
	2x ø28mm		2x ø28mm
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40

Cable entries below

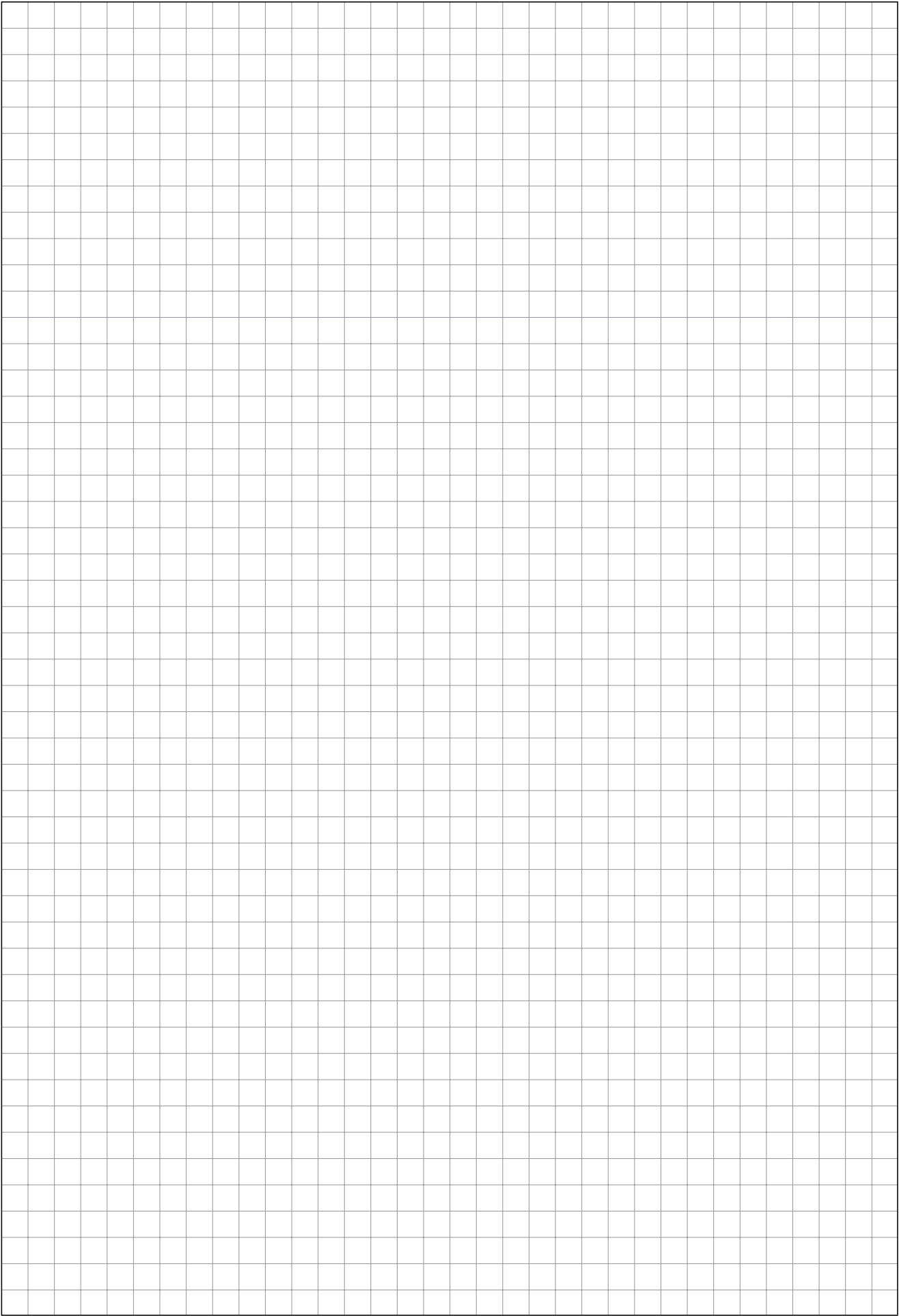
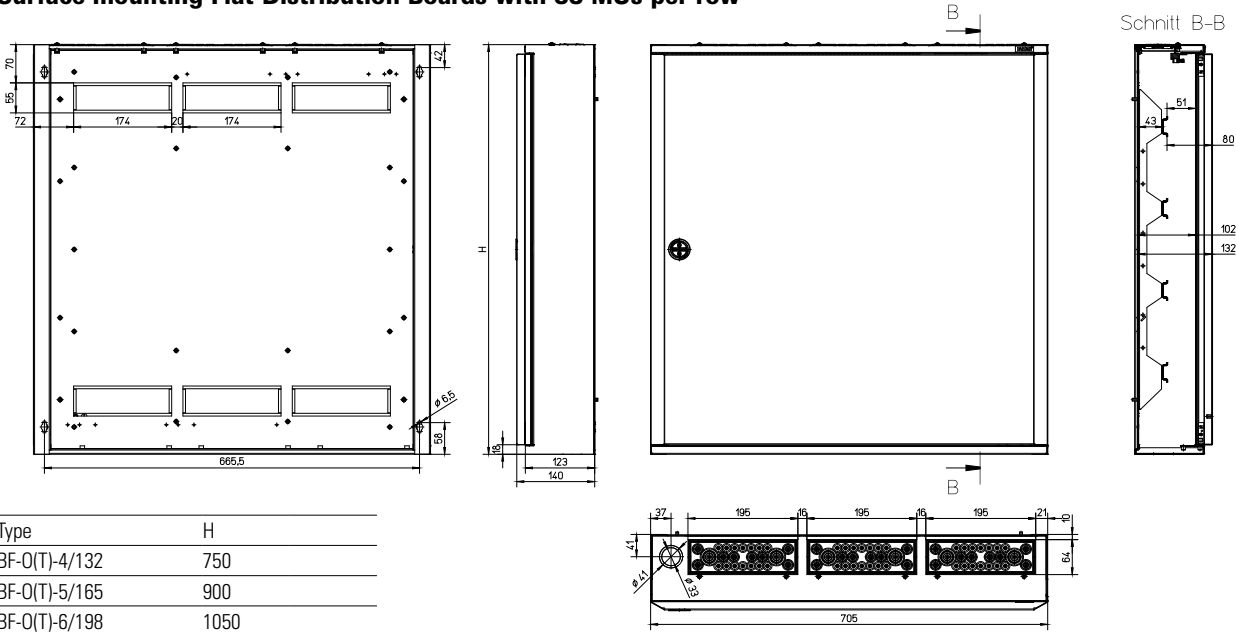
24 MUs per row		33 MUs per row	
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40
	6x M25		12x M25
	8x M20		8x M20

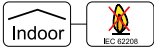
Dimensions (mm)

Surface-mounting Flat Distribution Boards with 24 MUs per row



Surface-mounting Flat Distribution Boards with 33 MUs per row





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



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 is available as accessory (BFZ-OTT-.../...)
- 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))
- Universal 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, IP41 (with special sealing kit)	
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

Compact Distribution Boxes

BF-O surface-mounted Flat Distribution Boards, IP30

xComfort

Cable entries above

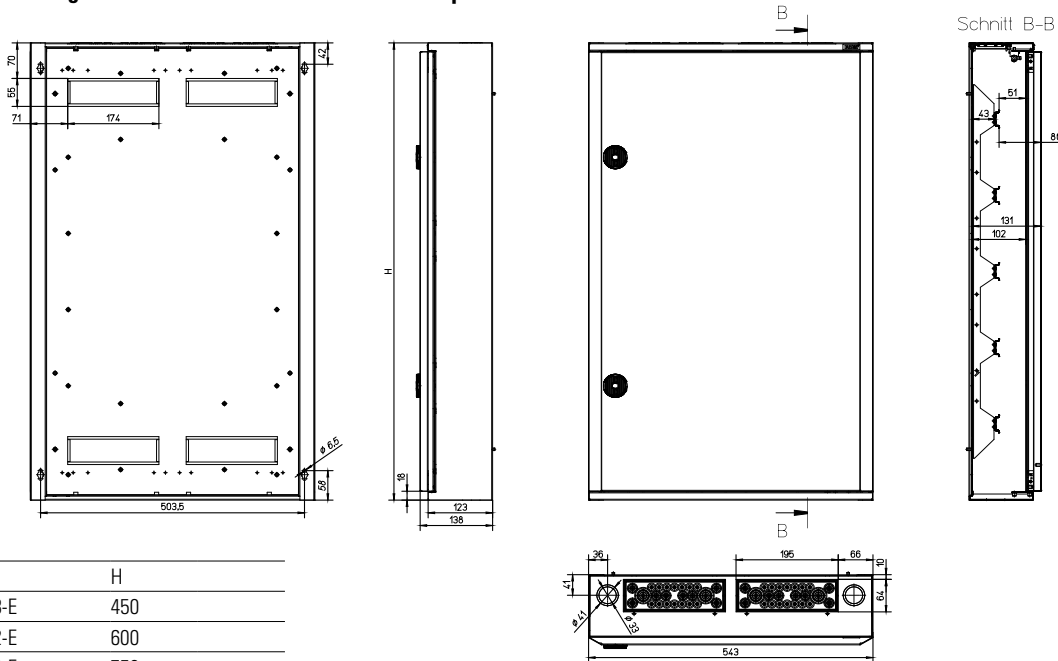
24 MUs per row		33 MUs per row	
2x Flange:	14x ø11mm 8x ø15mm 2x ø28mm	3x Flange:	14x ø11mm 8x ø15mm 2x ø28mm
Relief stamp:	2x M32/M40	Relief stamp:	1x M32/M40

Cable entries below

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

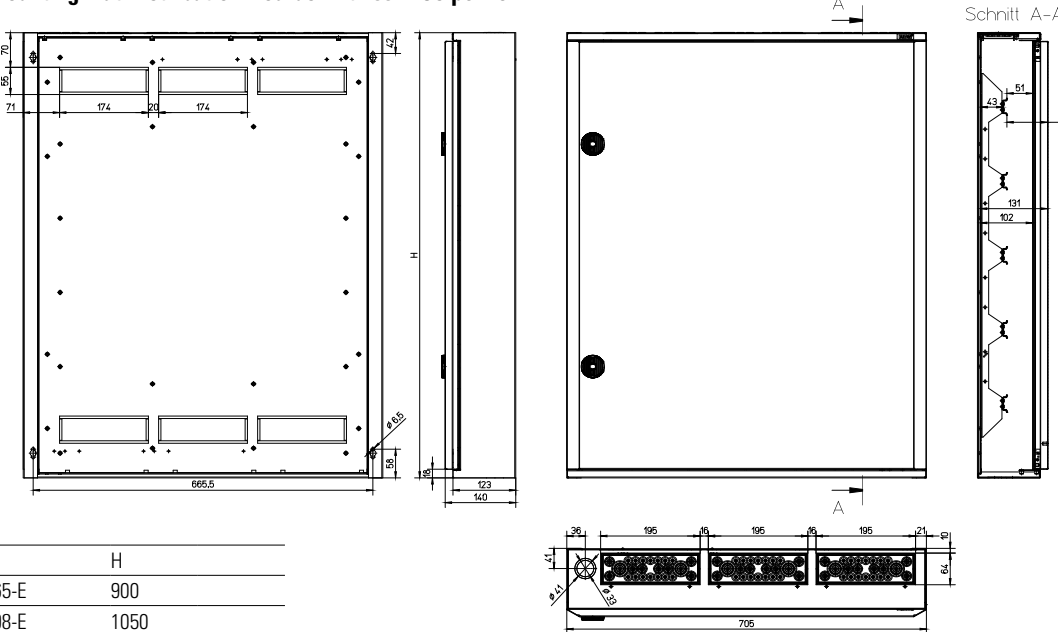
Dimensions (mm)

Surface-mounting Flat Distribution Boards with 24 MUs per row



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

Surface-mounting Flat Distribution Boards with 33 MUs per row



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

xComfort

Compact Distribution Boxes

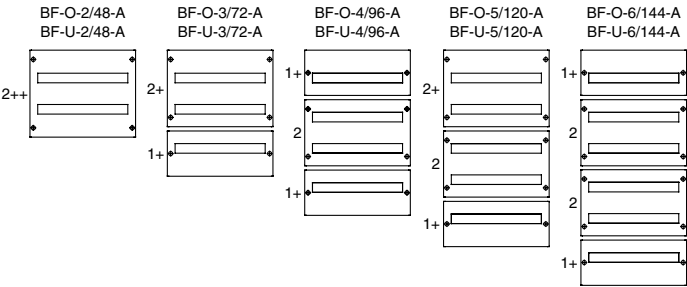
BF-O surface-mounted Flat Distribution Boards, IP30

1.145

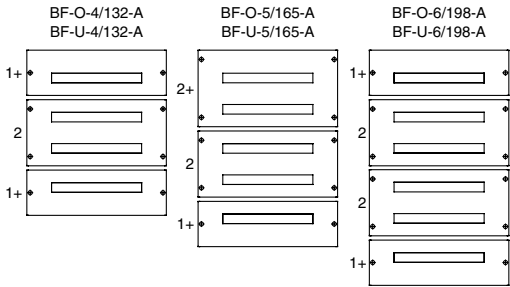
Allocation of front plate

Allocation of front plate (delivery status), Version A

24 MUs per row

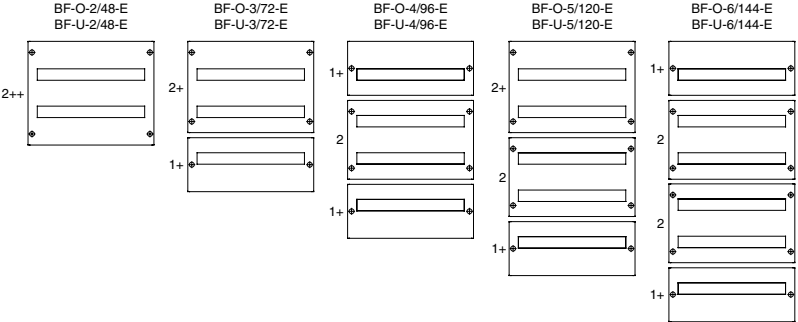


33 MUs per row



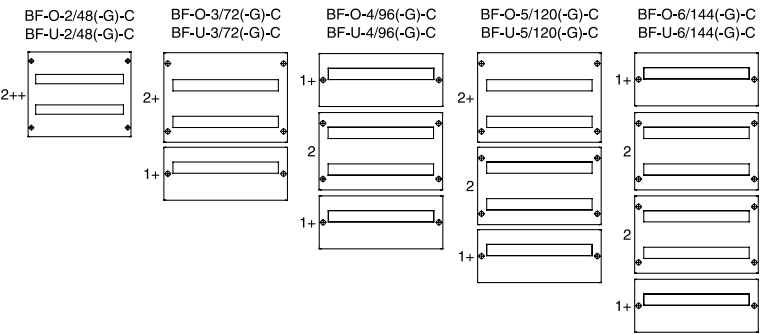
Allocation of front plate (delivery status), Version E

24 MUs per row

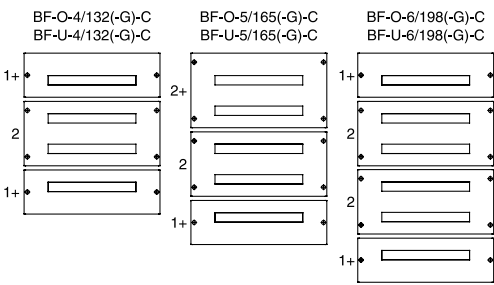


Allocation of front plate (delivery status), Version C

24 MUs per row

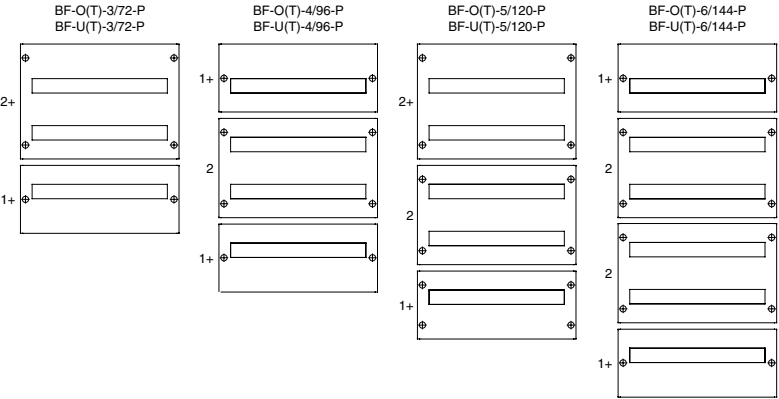


33 MUs per row



Allocation of front plate (delivery status), Version P

24 MUs per row



VT30414



VT29914



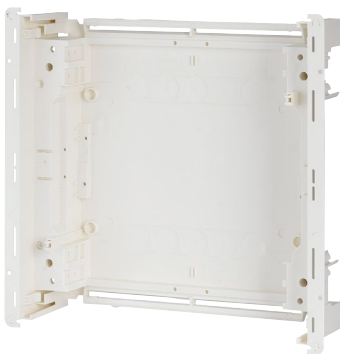
VT30314



VT27614



vt21515



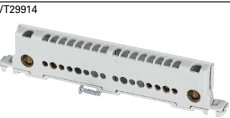
vt115714



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

VT79314





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

Lock with 2 spare keys

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

1/4	N or PE screw-type terminal 5x 25 mm ² + 1x 35 mm ²	N-4-IKA-M	EP-504137	1
1 / 4 1 / 6	N/PE screw-type terminal 3x 2.5-6 + 1x 4-10 mm ² each and 1x 16-35 mm ² each	N/PE-4-IKA	174169	1
1 / 8	N/PE screw-type terminal 5x 2.5-6 + 3x 4-10 mm ² each and 1x 16-35 mm ² each	N/PE-8-IKA	174171	1
1 / 12	N/PE screw-type terminal 6x 2.5-6 + 6x 4-10 mm ² each and 1x 10-25 + 1x 16-35 mm ² each	N/PE-12-IKA	174172	1
2 / 24 1 / 18	N/PE screw-type terminal 8x 2.5-6 + 8x 4-10 mm ² each and 1x 10-25 + 1x 16-35 mm ² each	N/PE-24-IKA	174173	1
3 / 36 2 / 36 3 / 54	N/PE screw-type terminal 12x 2.5-6 + 12x 4-10 mm ² each and 1x 10-25 + 1x 16-35 mm ² each	N/PE-3/36-IKA	174174	1

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

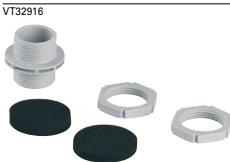
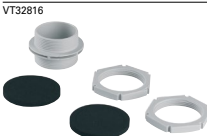
- IP66, with built-in push-through diaphragm
- PE and thermoplastic elastomer, halogen free

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

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



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

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

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

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

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

1 / 4	Transparent	DOOR-1/4-T-IKA-M	EP-504136	1
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

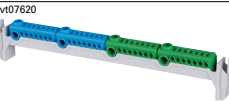
Spar flange plate

IKA-CLID	Spar flange plate for IKA-C.....LID	LID1-IKA	187355	1
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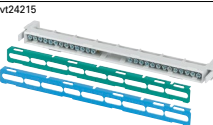
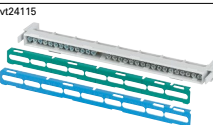
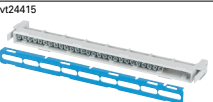
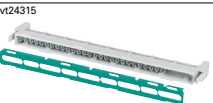
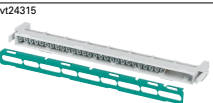
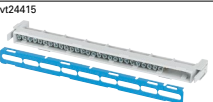
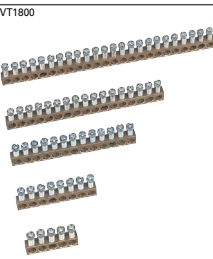
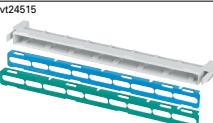
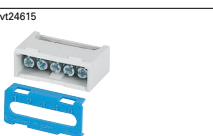
Linking element

all IKA	Connection piece M25 for connecting multiple enclosures IKA next to each other	M25LUG-IKA	187353	1
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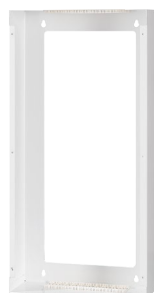
all IKA	Connection piece M40 for connecting multiple enclosures IKA next to each other	M40LUG-IKA	187354	1
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Suitable for	Description	Type Designation	Article No.	Pack (pcs.)	
Additional Equipment / Spare Parts KLV-...					
Combined push-in terminal					
- Combined plug-type terminal with push-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 push- terminal KSK					
	1x N potential	N/PE Combined push-in 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			
		N/PE Combined push-in 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 push-in terminal	KSK-4N-KLV	178899	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			
		N Combined push-in 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 push-in terminal	KSK-3N/1N-KLV	178900	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			
		N/N Combined push-in 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 push-in terminal	KSK-2N/2N-KLV	178901	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			
		N/N Combined push-in 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 push-in terminal	KSK-4PE-KLV	178902	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ²			
		PE Combined push-in terminal	KSK-H-4PE-KLV	302510	1
		4x 2.5-25 mm ² and 28x 0.5-4 mm ² high version			
Individual combined push-in terminal KSK					
	1x N potential	N Combined push-in terminal	KSK-N	178903	1/10
		1x 2.5-25 mm ² 7x 0.5-4 mm ²			
	1x PE potential	PE Combined push-in 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 push-in terminal KSK for wall pan					
	1x N potential	N Combined push-in terminal 1x 2.5-25 mm ² and 7x 0.5-4 mm ²	KSK-N-UP/HW-KLV	302502	1
	Assembly right / left in the wall pan				
	1x N potential	Double N combined push-in terminal 2x 2.5-25 mm ² and 14x 0.5-4 mm ²	KSK-2N-UP/HW-KLV	302504	1
	Assembly right / left in the wall pan				
Equipped combined push-in terminal KSK for DIN-rail					
	1x N potential	N Combined push-in terminal 1x 2.5-25 mm ² and 7x 0.5-4 mm ²	KSK-N-TS-KLV	302501	1
	Assembly on DIN-rail				
	1x N potential	Double N combined push-in terminal 2x 2.5-25 mm ² and 14x 0.5-4 mm ²	KSK-2N-TS-KLV	302503	1
	Assembly on DIN-rail				

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)	
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					
	1x N potential	N/PE Screw-type terminal	SK-13N/PE-KLV	178906	1
	1x PE potential	13x 0.75-16 mm ² (N) and 13x 0.75-16 mm ² (PE)			
	1x N potential	N/PE Screw-type terminal	SK-H-13N/PE-KLV	302514	1
	1x PE potential	13x 0.75-16 mm ² (N) and 13x 0.75-16 mm ² (PE), high version			
	1x N potential	N Screw-type terminal	SK-25N-KLV	178908	1
		25x 0.75-16 mm ² (N)			
	1x PE potential	N Screw-type terminal	SK-H-25N-KLV	302518	1
		25x 0.75-16 mm ² (N), high version			
	1x PE potential	PE Screw-type terminal	SK-25PE-KLV	178909	1
		25x 0.75-16 mm ² (N)			
		PE Screw-type terminal	SK-H-25PE-KLV	302519	1
		25x 0.75-16 mm ² (N), high version			
Individual screw-type terminal KL					
	N potential or	1x 25 mm ² + 3x 16 mm ²	KL-4	219723	1
	PE potential	1x 25 mm ² + 6x 16 mm ²	KL-7	219724	1
		2x 25 mm ² + 9x 16 mm ²	KL-11	219725	1
		2x 25 mm ² + 13x 16 mm ²	KL-15	219726	1
		2x 25 mm ² + 23x 16 mm ²	KL-25	219727	1
	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
	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
	SK-...KLV	Expansion terminal with screw-type connection 1x 35 mm ²	KLA	275453	1

vi27917



Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
Surface-mounting tub				
KLV-12...	Surface-mounting tub for one flat KLV, sheet steel, powder coated RAL 9016, generous rear cable inlet, top and bottom with opening for cable inlet, incl. fixing material	APW1-KLV	306124	1
KLV-24...		APW2-KLV	306128	1
KLV-36...		APW3-KLV	195166	1
KLV-48...		APW4-KLV	193386	1
KLV-60...		APW5-KLV	302496	1

vi27319



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

vi27119

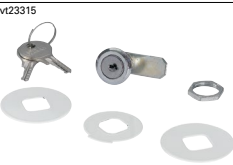


KLV-36...	Double surface-mounting tub for two flat KLV among each other, sheet steel, powder coated RAL 9016, generous rear cable inlet, top and bottom with opening for cable inlet, incl. fixing material	APW33V-KLV	300844	1
KLV-48...		APW44V-KLV	300846	1

vi33616



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



h23315

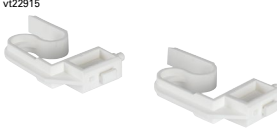
va_vt10414, wa_vt10714

708809

h22815

h22715

Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
Lock set LOCK-KLV				
KLV-...	Lock set for sheet steel door, keyed alike, incl. 2 keys	LOCK-KLV	178930	1
Blanking strip BS-...-WH				
All Eaton distribution boards	Blanking strip, white, fine-ribbed, 12 MU	BS-12MF-WH	178975	10/100
	Blanking strip, gray, fine-ribbed, 12 MU	BS-12MF-GY	178980	10/100
	Blanking strip, white, fine-ribbed, 6 MU	BS-6MF-WH	178976	10/100
	Blanking strip, white, rough-ribbed, 12 MU	BS-12MB-WH	178977	10/100
	Blanking strip, gray, rough-ribbed, 12 MU	BS-12MB-GY	178979	10/100
	Blanking strip, white, rough-ribbed, 6 MU	BS-6MB-WH	178978	10/100
Industrial cable tie-wrap ITB				
KLV-...	Continuously ribbed to the tip, colour natural, flame retardant UL94 V2	ITB1	083550	1000
		ITB2	085923	1000
		ITB3	088296	100
3D plaster compensation				
KLV-...	3D plaster compensation as a set in a pouch	3D-KLV	178940	1
Hollow-wall anchor				
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				
	KLV-12...to KLV60...	Nail straps as a set	NL-KLV	178942 1
Nail straps metal				
	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				
	KLV-...	Rotary bolt lock white	DV-KLV	178943 1
Flange				
	KLV-UP	Spare flange without spirit level	FUP-KLV	178944 1
	KLV-HW...		FHW-KLV	178945 1
Hinge				
	KLV-...	Spare hinges 1 pair in a pouch	HP-KLV	178946 1
Cable holder				
	KLV-...	Cable holder 4 units in a pouch	KH-KLV	178947 1
Closing screws				
	KLV-...	Closing screws 4 units in a pouch	VS-KLV	178948 1
Wall pan				
	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
	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					
	MIP...-KLV	Rounded head screw M4x8 thread-forming	EPLHS-M4X8	144028	1/100
Doors					
	KLV-...-F	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

vt08920



KLV-36...M...

KLV-48...M...

KLV-60...M...

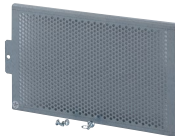
Use in the media KLV instead of the upper DIN-rail, space for max. 12x RJ45 modules, galvanized sheet steel, including fixing screws

PATCH12-KLV

302531

1

vt16720



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

vt07120



KLV-60...HY...

Partition plate for Hybrid KLV, incl. fixing material

VS-HYB-KLV

302530

1

vt19915



KLV-...-F

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

vt15220



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

vt19215



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

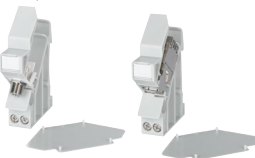
178968

1

TRSF5-KLV

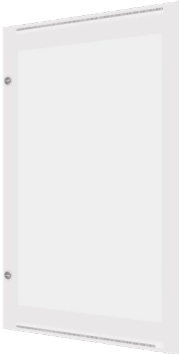
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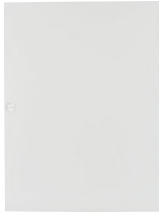
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Suitable for	Description	Type Designation	Article No.	Pack (pcs.)
Document holder				
 v17520	KLV-60...	Document holder made of stable sheet steel, powder coated RAL9016, for 5-row KLV, for mounting on the door profile	DH-KLV	302522 1
Device holder				
 v121815	Multimedia	Device holder for Multimedia Distribution Boxes, incl. fixing screws	GH-KLV	178969 1
Data module				
 v122215, v122115	RJ45	Data module for the carrier rail 1 MU, with RJ45 jack	E-DAT-RJ45	178973 1
	Koaxial	or F/IEC coaxial jack	E-DAT-F/IEC-B	178974 1
Rotary power socket EURO2				
 EP_502574_L	Multimedia	Rotary power socket (Schuko) incl. EURO2 adapter for direct snapping into the KLV wall-pan, 10A, 90° angle of rotation, push-in connection terminal max. 2.5mm², colour grey. The rotary inserts are pre-wired.	S2R-KLV	EP-502574 1
Labels sheet				
 v177320	KLV-...	Labeling sheet DIN-A4 self-adhesive with additional symbols, optionally printable with Eaton PDF editor	BSBN-KLV	302524 1
Foil for labeling strips				
 v177420	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		

Additional Equipment / Spare Parts for BF-U-3S...-D125.

	For use with	Description	Type Designation	Article No.	Pack
 EP-502556	BF-U 3Step 24MU /row	Multimedia sector plate	MIP-24-3S-BF-U	EP-502556	1
 EP-502557	BF-U 3Step 33MU /row	Multimedia sector plate	MIP-33-3S-BF-U	EP-502557	1
 EP-502546	BF-U 3Step 24MU /row	Multimedia door, transparent window, DTM-2/48-3S/2S-BF-U additionally with ventilation slots		EP-502546	1
 EP-502547	BF-U 3Step 24MU /row	Multimedia door, transparent window, DTM-3/72-3S/2S-BF-U additionally with ventilation slots		EP-502547	1
 EP-502548	BF-U 3Step 24MU /row	Multimedia door, transparent window, DTM-4/96-3S/2S-BF-U additionally with ventilation slots		EP-502548	1
 EP-502549	BF-U 3Step 24MU /row	Multimedia door, transparent window, DTM-5/120-3S/2S-BF-U additionally with ventilation slots		EP-502549	1
 EP-502550	BF-U 3Step 24MU /row	Multimedia door, transparent window, DTM-6/144-3S/2S-BF-U additionally with ventilation slots		EP-502550	1

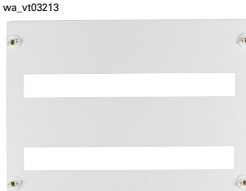
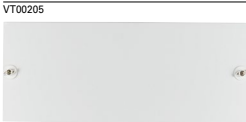
	For use with	Description	Type Designation	Article No.	Pack
EP-502551 	BF-U 3Step 24MU /row	Multimedia door, transparent window, DTM-7/168-3S/2S-BF-U additionally with ventilation slots		EP-502551	1
EP-502552 	BF-U 3Step 33MU /row	Multimedia door, transparent window, DTM-4/132-3S/2S-BF-U additionally with ventilation slots		EP-502552	1
EP-502553 	BF-U 3Step 33MU /row	Multimedia door, transparent window, DTM-5/165-3S/2S-BF-U additionally with ventilation slots		EP-502553	1
EP-502554 	BF-U 3Step 33MU /row	Multimedia door, transparent window, DTM-6/198-3S/2S-BF-U additionally with ventilation slots		EP-502554	1
EP-502555 	BF-U 3Step 33MU /row	Multimedia door, transparent window, DTM-7/231-3S/2S-BF-U additionally with ventilation slots		EP-502555	1

MU per row / No. of rows	Also Compatible to use with	Type Designation	Article No.	Pack (pcs.)
Additional Equipment / Spare Parts BF-O..., BF-U-./..., BF-U(T(M))-2S...				
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	BF-U-3S-2/48-D125 (EP-502536)	BFZ-UTS-2/48	283084 1
	24 / 3	BF-U-3S-3/72-D125 (EP-502537)	BFZ-UTS-3/72	283085 1
	24 / 4	BF-U-3S-4/96-D125 (EP-502538)	BFZ-UTS-4/96	283086 1
	24 / 5	BF-U-3S-5/120-D125 (EP-502539)	BFZ-UTS-5/120	283087 1
	24 / 6	BF-U-3S-6/144-D125 (EP-502540)	BFZ-UTS-6/144	283088 1
	33 / 4	BF-U-3S-4/132-D125 (EP-502542)	BFZ-UTS-4/132	240759 1
	33 / 5	BF-U-3S-5/165-D125 (EP-502543)	BFZ-UTS-5/165	240760 1
	33 / 6	BF-U-3S-6/198-D125 (EP-502544)	BFZ-UTS-6/198	240761 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

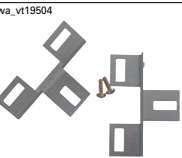
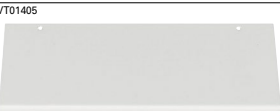
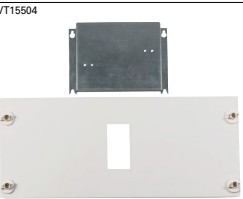
MU per row / No. of rows	Type Designation	Article No.	Pack (pcs.)
Doors transparent (sheet steel), BFZ-TT			
For surface-mounting enclosure white			
24 / 2	BFZ-OTT-2/48	283079	1
24 / 3	BFZ-OTT-3/72	283080	1
24 / 4	BFZ-OTT-4/96	283081	1
24 / 5	BFZ-OTT-5/120	283082	1
24 / 6	BFZ-OTT-6/144	283083	1
33 / 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			
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			
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			
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
Upgrade kit for protection degree IP41, BFZ-.-IP41-KIT/..			
For surface-mounting enclosure white (consists of special sealing profile and drip moulding)			
24	BFZ-O-IP41-KIT/24	302816	1
33	BFZ-O-IP41-KIT/33	302817	1
For flush-mounting enclosure with door handle type "-E" (consists of special sealing profile)			
24 / 33	BFZ-U-IP41-KIT/-E	302815	1

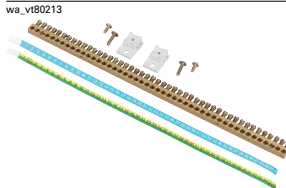
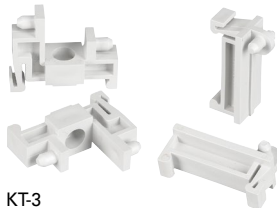
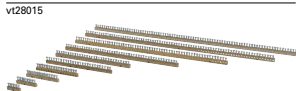


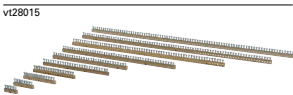
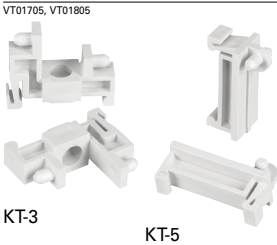
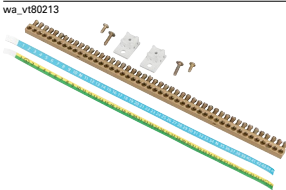
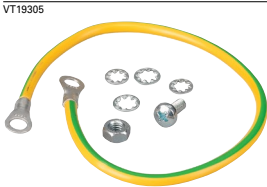
MU per row / No. of rows	Also Compatible to use with	Type Designation	Article No.	Pack (pcs.)
Accessories				
Front panels blind white, BFZ-FP				
24 / 0+		BFZ-FP-0+/BL	286106	1
24 / 1		BFZ-FP-1/BL	293626	1
24 / 1+		BFZ-FP-1+/BL	286105	1
33 / 1		BFZ-FP-1/BL3	293627	1
33 / 1+		BFZ-FP-1+/BL3	240752	1
Front plates 45 mm-Device cutout white, BFZ-FP				
24 / 1	BF-U 3-Step 24 MU per Row	BFZ-FP-1/24	285650	1
24 / 1+	BF-U 3-Step 24 MU per Row	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	BF-U 3-Step 33 MU per Row	BFZ-FP-1/33	240748	1
33 / 1+	BF-U 3-Step 33 MU per Row	BFZ-FP-1+/33	240749	1
33 / 2	-	BFZ-FP-2/66	240750	1
33 / 2+	-	BFZ-FP-2+/66	240751	1
DIN rail frame (replacement), BFZ-DINS				
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+				
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



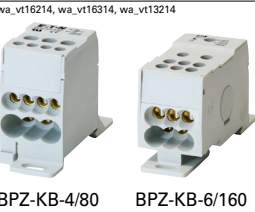
MU per row / No. of rows	Type Designation	Article No.	Pack (pcs.)
Set for NZM-fitting, BFZ-NZM1-SET			
24 / white	BFZ-NZM1-SET	285233	1
33 / white	BFZ-NZM1-SET/33	293628	1
Separating plate white, BFZ-SP			
24	BFZ-SP-24	293621	1
33	BFZ-SP-33	293622	1
Wire fixing rail, BFZ-WFR			
24	BFZ-WFR-24	293623	1
33	BFZ-WFR-33	293624	1
Flange plate blind (replacement for 2K-flange), BFZ-FLP-BL			
white	BFZ-FLP-BL	293625	1
Accessories for cable duct fixing, BPZ-ZP			
• For direct mounting of the cable duct on the C-profile rail BFZ-CP (ZP2) or on the mounting elements BFZ-KKW-60 (ZP1)			
100 pcs. in bag	BPZ-ZP1	184980	1
50 pcs. in bag	BPZ-ZP2	184981	1
Fastening set for cable duct 60, BFZ-KKW-60			
	BFZ-KKW-60	285232	1
MU per row / No. of rows	Type Designation	Article No.	Pack (pcs.)
C-profile rail for cable duct mounting (horizontal)			
24	BFZ-CP-24	184978	1
33	BFZ-CP-33	184979	1



MU per row / No. of rows	Also Compatible to use with	Type Designation	Article No.	Pack (pcs.)	
Lock set for door					
	Lock set for sheet steel door, keyed alike, incl. 2 keys	LOCK-KLV	178930	1	
	Profi-Line Rotary bolt lock (only for BF-O/U-../...-E)	BFZ-LS-PLDH	110165	1	
Earthing set for door, BFZ-DES					
		BFZ-DES	101665	1	
Terminal-set N/PE, BFZ-TS-KL					
	• Max. 63 A				
	2x25 mm ² + 9x16 mm ²	BF-U 3 Step 24 / 33 MU per Row	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					
	horizontal	KT-3	275445	1	
	vertical	KT-5	275447	1	
Terminal blocks, KL					
	• Max. 63 A				
	1x25 mm ² + 3x16 mm ²	-	KL-4	219723	1
	1x25 mm ² + 6x16 mm ²	BF-U 3-Step 24 / 33 MU per row	KL-7	219724	1
	2x25 mm ² + 9x16 mm ²	BF-U 3-Step 24 / 33 MU per row	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	BF-U 3-Step 24 / 33 MU per row	KL-29	275449	1
	2x25 mm ² + 43x16 mm ²	BF-U 3-Step 24 / 33 MU per row	KL-45	275450	1
	2x25 mm ² + 58x16 mm ²	BF-U 3-Step 24 / 33 MU per row	KL-60	275451	1
	2x25 mm ² + 74x16 mm ²	BF-U 3-Step 24 / 33 MU per row	KL-76	102066	1



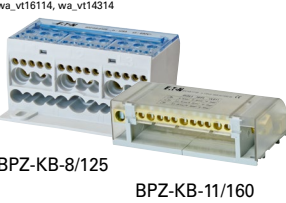
Rated current (A)	Output terminals	Type Designation	Article No.	Pack (pcs.)
Terminal blocks 1-pole, BPZ-KB • Mounting on DIN rail or on Mounting Plate • UL listed • Save time on wiring • Save 80% on space used • Modular construction, 1- to 4-pole systems can be built with several blocks • Degree of protection IP20 • Max. operating voltage 1000 V AC , 1500 V DC				
80	6	BPZ-KB-4/80	289969	1
160	6	BPZ-KB-6/160	289970	1
250	11	BPZ-KB-11/250	289967	1



Technical Data

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

Rated current (A)	Input terminals	Output terminals	Type Designation	Article No.	Pack (pcs.)
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					
125	1x (L1/L2/L3/N)	7x L1 / 7xL2 / 7xL3 / 10xN	BPZ-KB-8/125	289968	1
160	1x (L1/L2/L3/N)	11xL1 / 11xL2 / 11xL3 / 11xN	BPZ-KB-11/160	102716	1



Technical Data

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

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

Mounting plate for inscription strip, LAB-BAR			
for 24 MUs per row	LAB-BAR_24MU	107901	10
for 33 MUs per row	LAB-BAR_33MU	107902	10
1 m	LAB-BAR_1000	107911	10



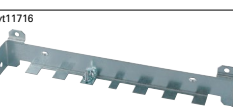
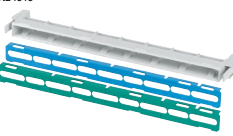
Enclosure leaves for the inscription strips, LAB-TAPE

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

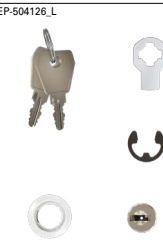
Size DIN A4	LAB-BAG_A4	107913	1
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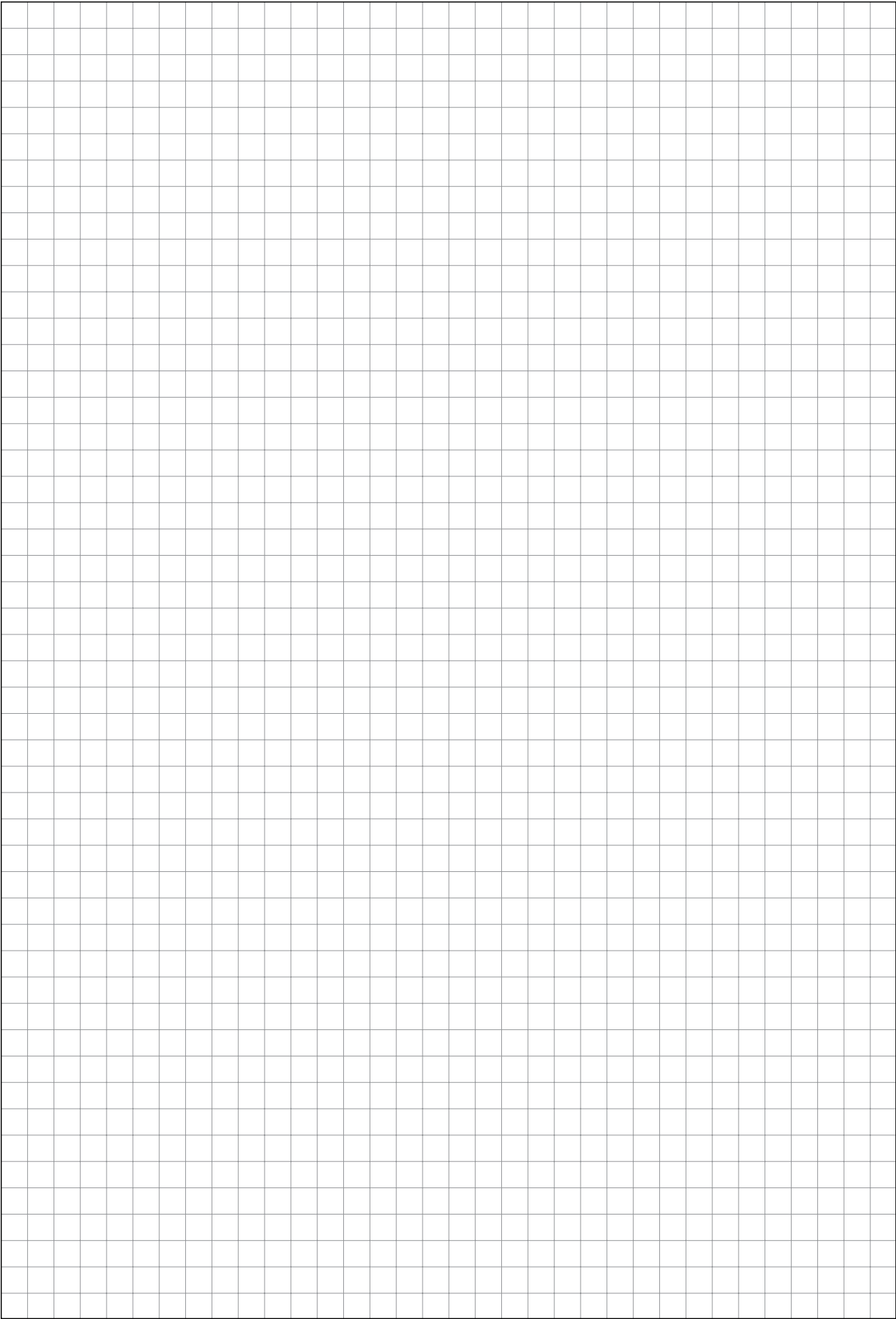
	Description	Type Designation	Article No.	Pack (pcs.)
Lock set LOCK-KLV				
	Lock standard keyed alike, incl. rosette, mounting material, 2 keys	LOCK-KLV	178930	1
Rotary bolt lock				
	Rotary bolt lock white	DV-KLV	178943	1
Holder for terminal carrier / Empty terminal carrier				
• For suitable terminals 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 accesseries of the media distribution board see chapter Additional Equipment/Spare Parts KLV-...

Additional Equipment / Spare Parts BC-A2

	For use with	Description	Type Designation	Article No.	Pack (pcs.)
Lock Kit					
	all BC-A2	lock with 2 keys, keyed alike	LOCK-KIT-BC-A2	EP-504126	1
Screw-type Terminal					
	1/12	N/PE screw-type terminal 6x (2,5 - 6 mm²) + 6x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²) each	N/PE-1/12-BC-A2	EP-504120	1
	2/24	N/PE screw-type terminal 8x (2,5 - 6 mm²) + 8x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)	N/PE-2/24-BC-A2	EP-504122	1
	3/36	N/PE screw-type terminal 12x (2,5 - 6 mm²) + 12x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)	N/PE-3/36-BC-A2	EP-504124	1
	1/18	N/PE screw-type terminal 8x (2,5 - 6 mm²) + 8x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)	N/PE-1/18-BC-A2	EP-504121	1
	2/36	N/PE screw-type terminal 12x (2,5 - 6 mm²) + 12x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)	N/PE-2/36-BC-A2	EP-504123	1
	3/54	N/PE screw-type terminal 16x (2,5 - 6 mm²) + 16x (4 – 10 mm²) + 1x (10 – 25 mm²) + 1x (16 – 35 mm²)	N/PE-3/54-BC-A2	EP-504125	1

Spare Doors				
	BC-A2-1/12-DW	Spare Door, White RAL 9003	DW-1/12-BC-A2	EP-504114 1
	BC-A2-2/24-DW	Spare Door, White RAL 9003	DW-2/24-BC-A2	EP-504116 1
	BC-A2-3/36-DW	Spare Door, White RAL 9003	DW-3/36-BC-A2	EP-504118 1
	BC-A2-1/18-DW	Spare Door, White RAL 9003	DW-1/18-BC-A2	EP-504115 1
	BC-A2-2/36-DW	Spare Door, White RAL 9003	DW-2/36-BC-A2	EP-504117 1
	BC-A2-3/54-DW	Spare Door, White RAL 9003	DW-3/54-BC-A2	EP-504119 1
Hermetic Caps				
	all BC-A2	Hermetic Caps for covering the holes in Enclosure's base and frame	HCAPS-BC-A2	EP-504127 1
Door Hinge				
	all BC-A2	Spare door hinges	DH-BC-A2	EP-504128 1



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