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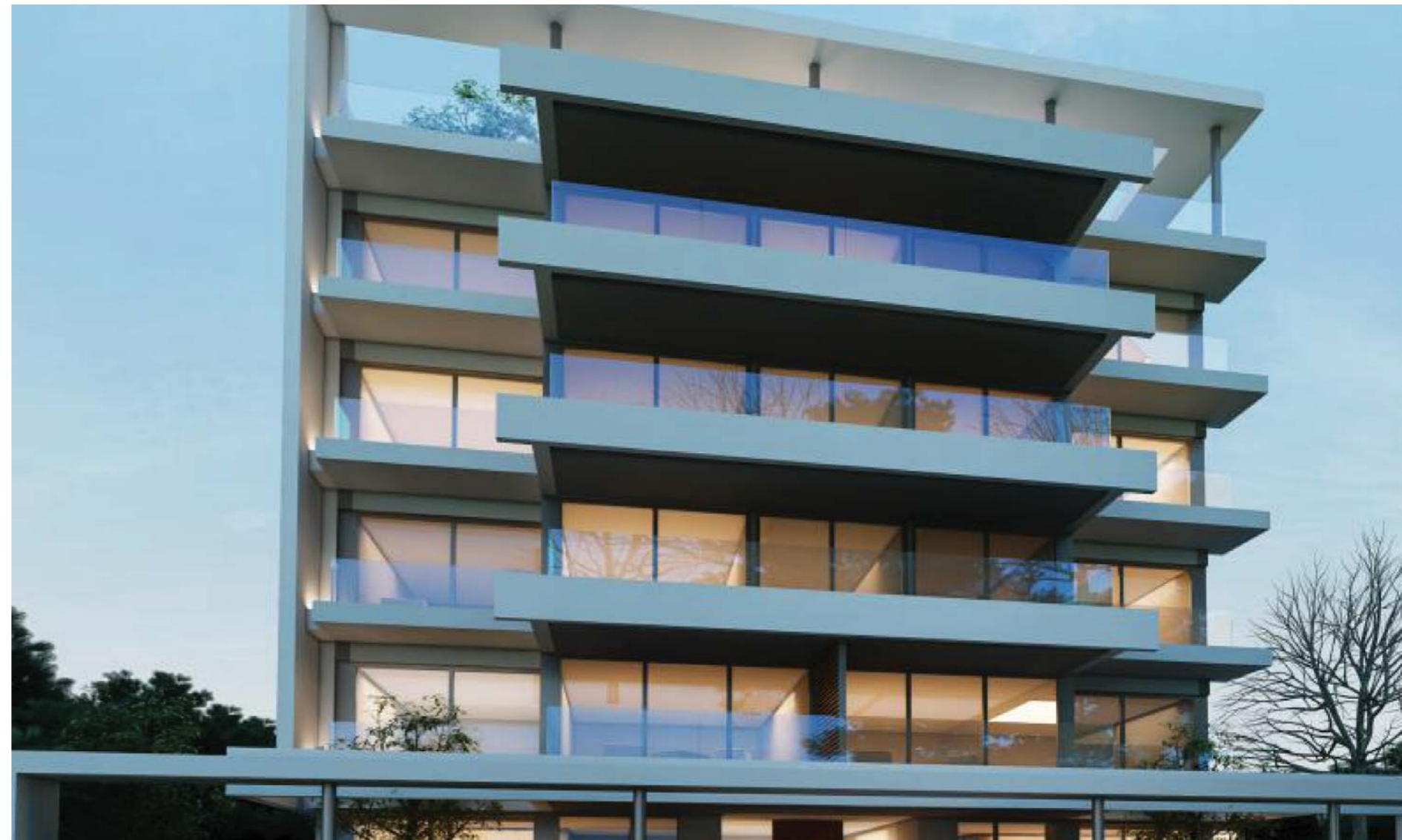
## **System pro E energy Primo**

Low voltage Distribution Board for Residential application

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**ABB Electrical Industries (ABB Arab) S.A.E.**

P.O. Box  
11771 Cairo  
Egypt



1SKC802016C2016

**PRIMO is a new range of distribution boards suitable for residential and commercial applications meeting latest market requirements.**

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## Introduction

PRIMO boards are available in Multi-row type, Way type, and solution for metering, the range of row type is up to 4 rows – 48 modules, and up to 16 ways for the way type, in addition to 4 sizes for metering type.



## General characteristics

### Construction characteristics

The construction characteristics of the series guarantee practical installation and versatility.

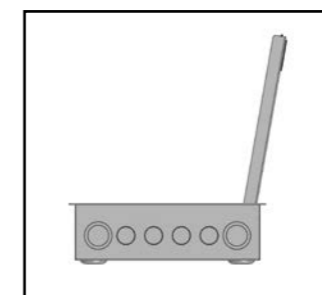
#### Range

The range is divided into 30 different dimensions: from H=30cm to 160cm, W=20cm to 80cm and D=15cm to 80cm. The enclosures can be installed either on the wall, or on the floor.



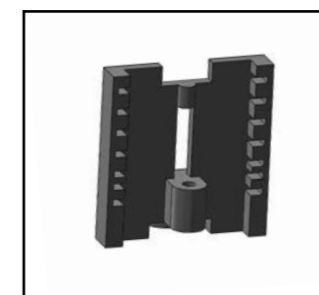
#### Reversible Door

PRIMO system comes with reversible door, the door can be hinged either to the left or right side depending upon the installer convenience.



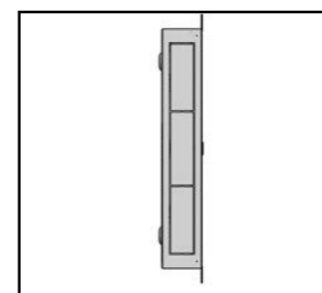
#### Wide Door Opening Angles

The series of sub distribution system offers impressive accessibility and ease of installation with 120 degree door opening angle.



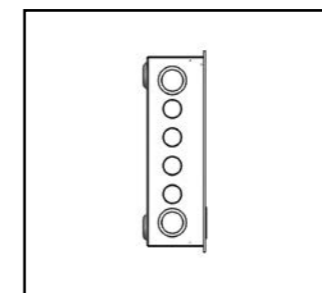
#### Adjustable din-rail

A new mechanism for adjusting the din-rail level to adapt with applications of installation.



#### Top and Bottom knockouts

The system is designed providing 3 different sizes knockouts on both top and bottom.



#### Wide knockouts at both sides

The system is providing accessibility of cable on both sides via wide rectangle knockouts.

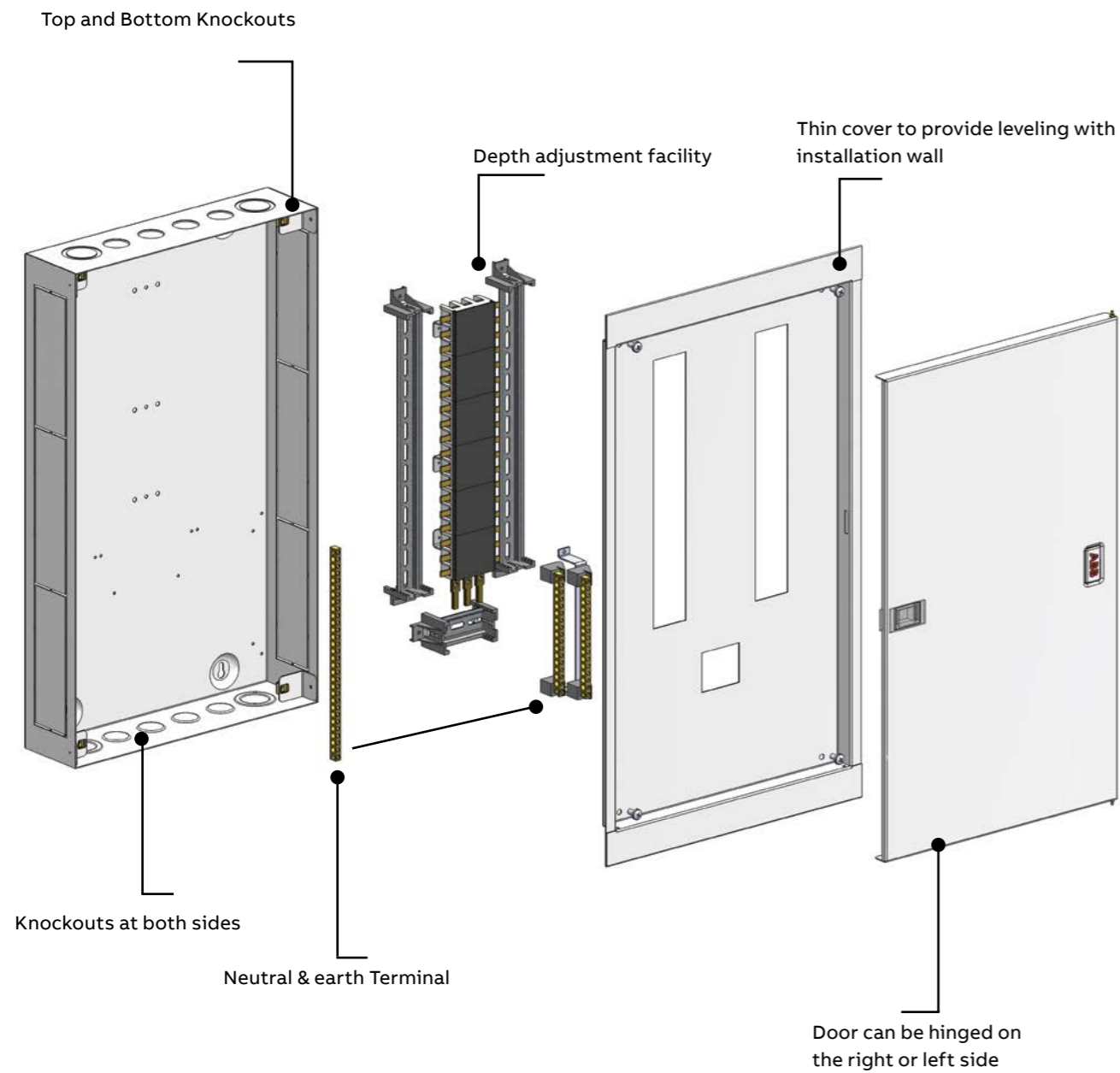


#### Delivered with N and PE bars

PRIMO system is delivered with Neutral and Earth bars providing holes for each outgoing

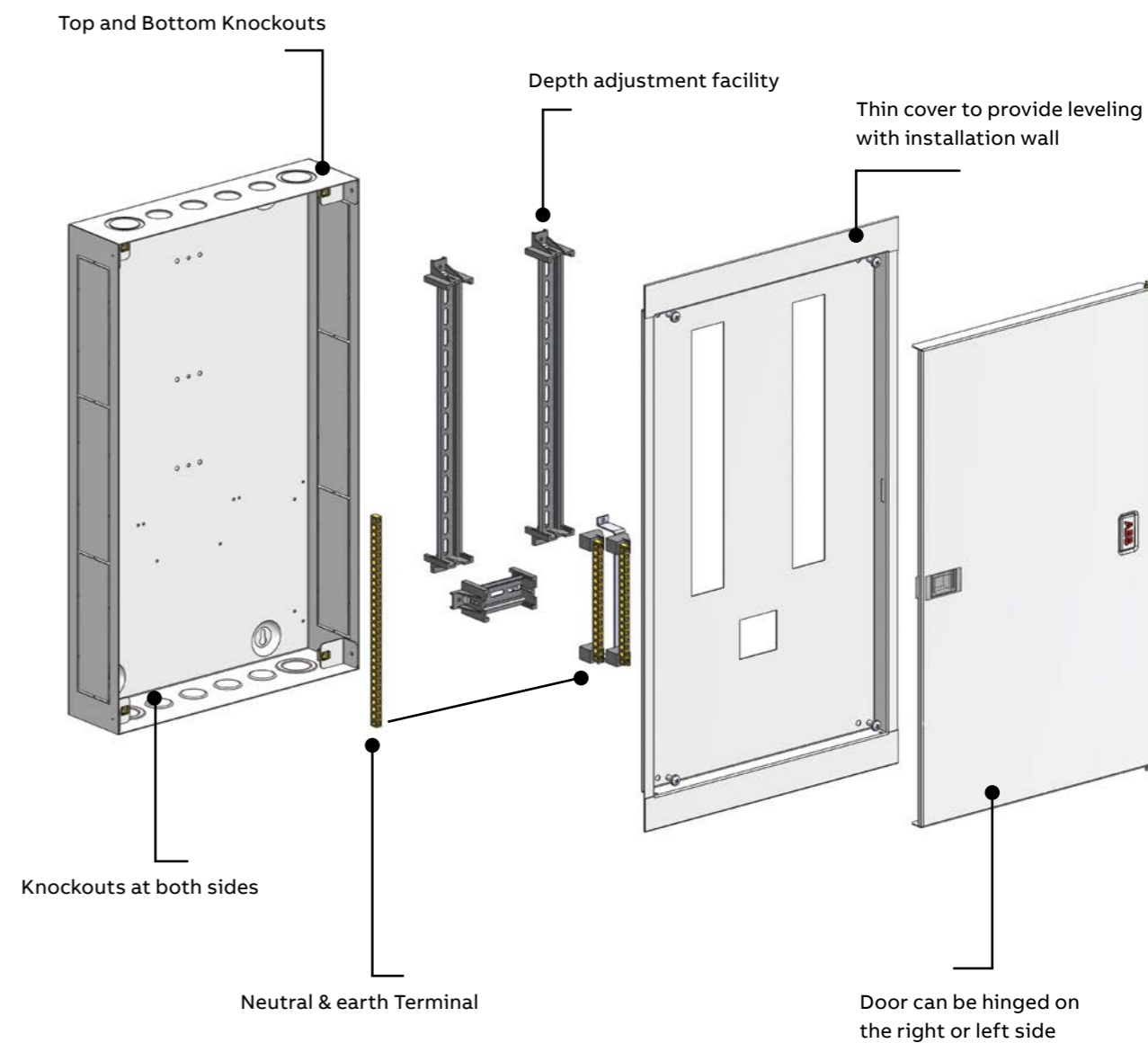
## System description

### Way type



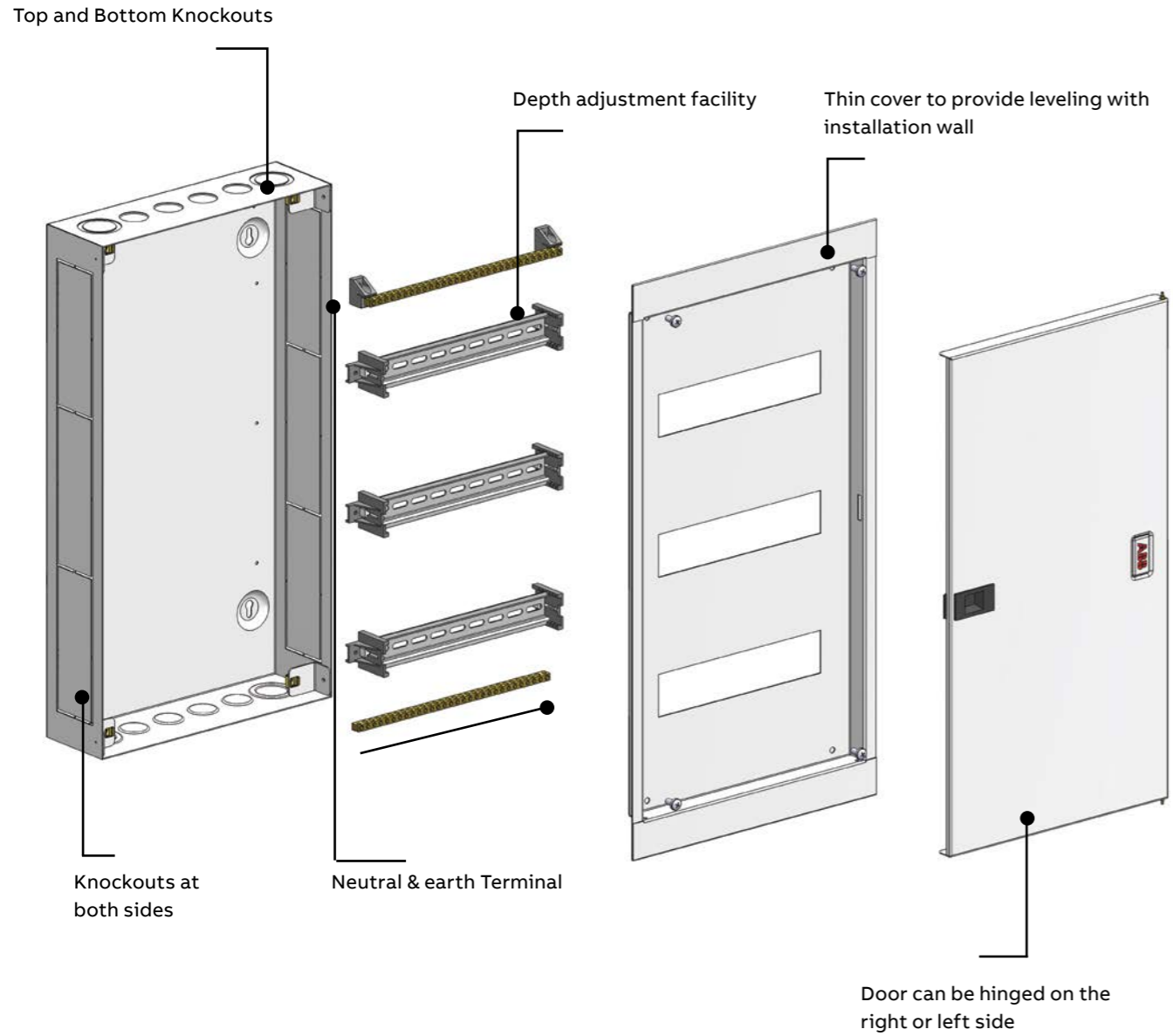
## System description

### Vertical type



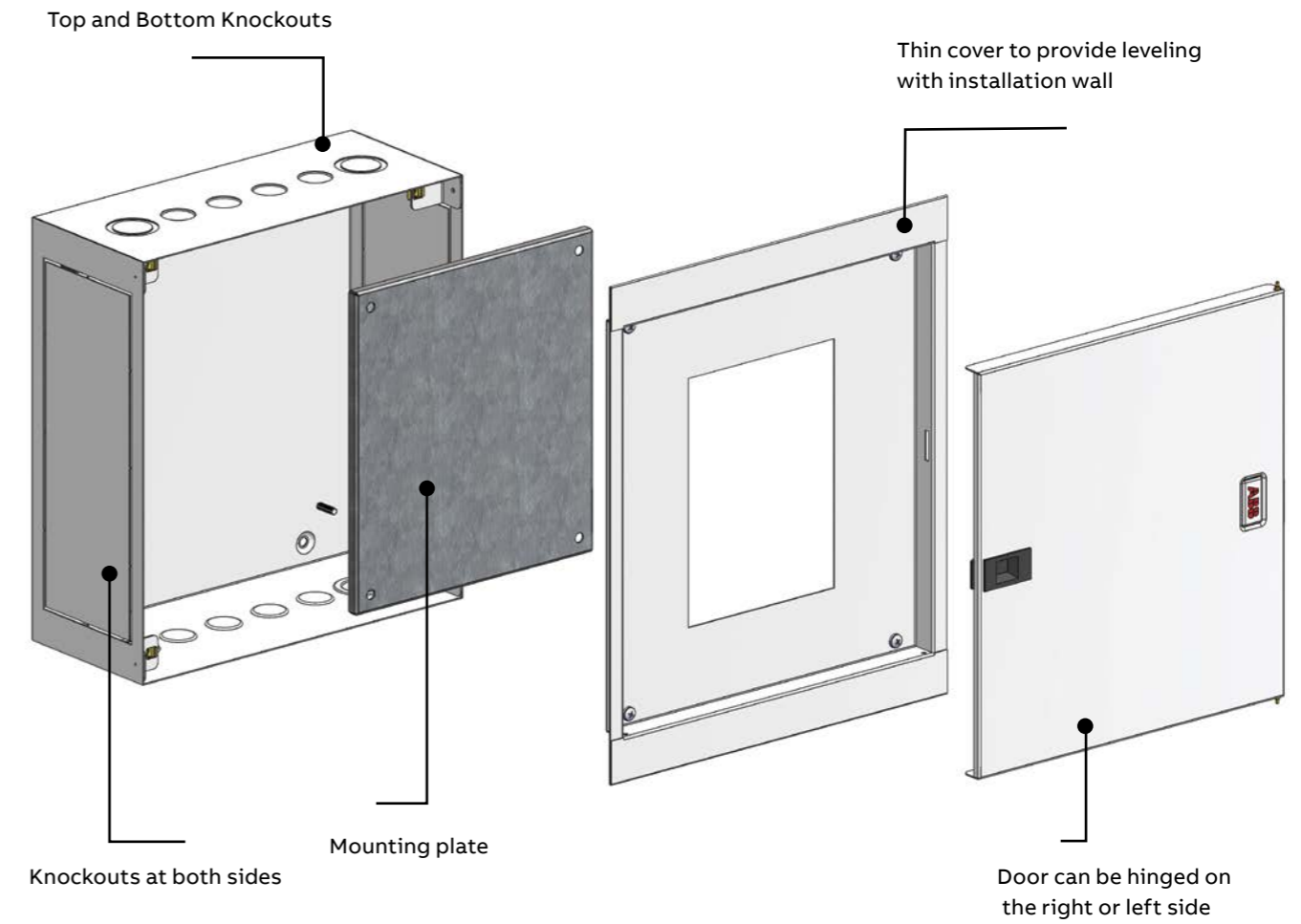
# System description

## Row type



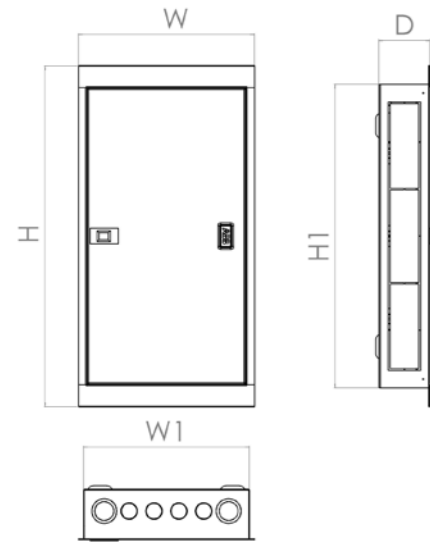
# System description

## Metering type



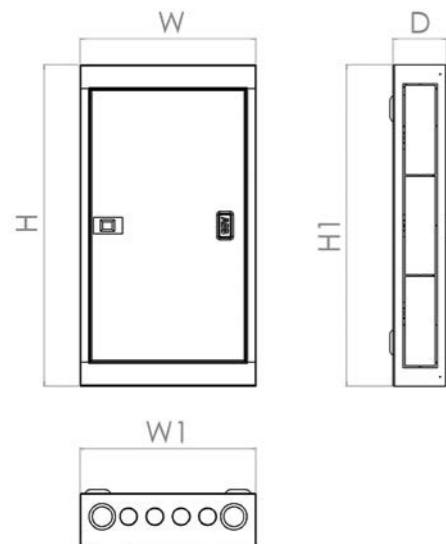
## Dimensions Details

### Flush type



Type code	H1	H	W1	W	D
EPR-W304F / EPR-V304F / EPR-W304FT / EPR-V304FT	380	450	350	370	90
EPR-W306F / EPR-V306F / EPR-W306FT / EPR-V306FT	430	500	350	370	90
EPR-W308F / EPR-V308F / EPR-W308FT / EPR-V308FT	480	550	350	370	90
EPR-W312F / EPR-V312F / EPR-W312FT / EPR-V312FT	580	655	350	370	90
EPR-W316F / EPR-V316F / EPR-W316FT / EPR-V316FT	690	760	350	370	90
EPR-R106F / EPR-R106FT	210	280	250	270	90
EPR-R110F / EPR-R110FT	210	280	250	270	90
EPR-R112F / EPR-R112FT	210	280	300	320	90
EPR-R120F / EPR-R120FT	210	280	370	390	90
EPR-R120F / EPR-R120FT	210	280	440	460	90
EPR-R236F / EPR-R236FT	360	430	300	320	90
EPR-R336F / EPR-R336FT	510	580	300	320	90
EPR-R448F / EPR-R448FT	660	730	300	320	90
EPR-3PHC / EPR-3PHCT	380	450	350	370	150
EPR-1PHC / EPR-1PHCT	300	370	230	250	130
EPR-3PHE / EPR-3PHET	380	450	350	370	90
EPR-3PHE / EPR-3PHET	300	370	230	250	90

### Surface type



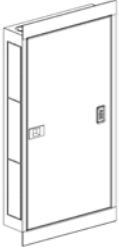
Type code	H1	H	W1	W	D
EPR-W304S / EPR-V304S / EPR-W304ST / EPR-V304ST	380	380	350	350	90
EPR-W306S / EPR-V306S / EPR-W306ST / EPR-V306ST	430	430	350	350	90
EPR-W308S / EPR-V308S / EPR-W308ST / EPR-V308ST	480	480	350	350	90
EPR-W312S / EPR-V312S / EPR-W312ST / EPR-V312ST	580	580	350	350	90
EPR-W316S / EPR-V316S / EPR-W316ST / EPR-V316ST	690	690	350	350	90
EPR-R106S / EPR-R106ST	210	210	250	250	90
EPR-R110S / EPR-R110ST	210	210	250	250	90
EPR-R112S / EPR-R112ST	210	210	300	300	90
EPR-R116S / EPR-R120ST	210	210	370	370	90
EPR-R120S / EPR-R120ST	210	210	440	440	90
EPR-R236S / EPR-R236ST	360	360	300	300	90
EPR-R336S / EPR-R336ST	510	510	300	300	90
EPR-R448S / EPR-R448ST	660	660	300	300	90


## Technical properties


<b>Standard</b>	IEC BS EN 61439 -1 &-3
<b>Max. load</b>	125 amps
<b>Max. voltage</b>	230 / 415 V ac, 50 / 60 Hz
<b>Range</b>	<b>Row type</b>
	<b>No. of rows</b> 1, 2, 3, and 4 rows
	<b>No. of modules</b> 6, 10, 12, 24, 36 and 48 modules
	<b>Way type</b>
	<b>No. of ways</b> 4, 6, 8, 12, and 16 ways
	<b>Metering type</b>
<b>No. of meters</b>	3Ph and 1Ph Conventional and Electronic meters
<b>Degree of protection</b>	IP 41
<b>Enclosure material</b>	Cold rolled sheet steel, Box and cover 1 mm
<b>Enclosure finish</b>	Gray, RAL 7035

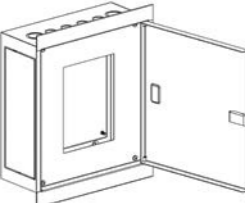
# Ordering details

## Plain Door Flush

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way, Flush	450	370	90	EPR-W304F	1SKR130400C0001
6 Way, Flush	500	370	90	EPR-W306F	1SKR130600C0001
8 Way, Flush	550	370	90	EPR-W308F	1SKR130800C0001
12 Way, Flush	655	370	90	EPR-W312F	1SKR131200C0001
16 Way, Flush	760	370	90	EPR-W316F	1SKR131600C0001

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way without busbar, Flush	380	350	90	EPR-V304F	1SKR030400C0001
6 Way without busbar, Flush	430	350	90	EPR-V306F	1SKR030600C0001
8 Way without busbar, Flush	480	350	90	EPR-V308F	1SKR030800C0001
12 Way without busbar, Flush	580	350	90	EPR-V312F	1SKR031200C0001
16 Way without busbar, Flush	690	350	90	EPR-V316F	1SKR031600C0001

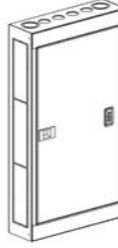
Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 1 row 6mod, Flush	210	250	90	EPR-R106F	1SKR210600C0001
1 row 10mod, Flush	210	250	90	EPR-R110F	1SKR211000C0001
1 row 12mod, Flush	210	300	90	EPR-R112F	1SKR211200C0001
1 row 16mod, Flush	210	370	90	EPR-R120F	1SKR211600C0001
1 row 20mod, Flush	210	440	90	EPR-R120F	1SKR212000C0001
2 row 24 mod, Flush	360	300	90	EPR-R236F	1SKR222400C0001
3 row 36 mod, Flush	510	300	90	EPR-R336F	1SKR233600C0001
4 row 48 mod, Flush	660	300	90	EPR-R448F	1SKR244800C0001


Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 Metering cabinet 3Ph - Conventional, Flush	360	330	150	EPR-3PHC	1SKR630100C0001
Metering cabinet 1Ph - Conventional, Flush	290	210	130	EPR-1PHC	1SKR610100C0001
Metering cabinet 3Ph - Electronic, Flush	360	260	90	EPR-3PHE	1SKR630200C0001
Metering cabinet 1Ph - Electronic, Flush	290	210	90	EPR-3PHE	1SKR610200C0001


\*Above dimensions are for housing, cover dimensions will be increased by 70mm in height and 20mm in width for flush type

# Ordering details

## Plain Door Surface

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way, Surface	380	350	90	EPR-W304S	1SKR130401C0001
6 Way, Surface	430	350	90	EPR-W306S	1SKR130601C0001
8 Way, Surface	480	350	90	EPR-W308S	1SKR130801C0001
12 Way, Surface	585	350	90	EPR-W312S	1SKR131201C0001
16 Way, Surface	690	350	90	EPR-W316S	1SKR131601C0001


Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way without busbar, Surface	380	350	90	EPR-W304S	1SKR130401C0001
6 Way without busbar, Surface	430	350	90	EPR-W306S	1SKR130601C0001
8 Way without busbar, Surface	480	350	90	EPR-W308S	1SKR130801C0001
12 Way without busbar, Surface	585	350	90	EPR-W312S	1SKR031201C0001
16 Way without busbar, Surface	690	350	90	EPR-W316S	1SKR031601C0001

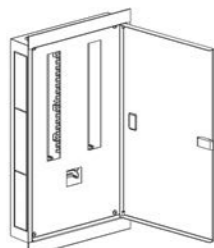
Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 1 row 6mod, Flush	210	250	90	EPR-R106S	1SKR210601C0001
1 row 10mod, Flush	210	250	90	EPR-R110S	1SKR211001C0001
1 row 12mod, Flush	210	300	90	EPR-R112S	1SKR211201C0001
1 row 16mod, Flush	210	370	90	EPR-R116S	1SKR211601C0001
1 row 20mod, Flush	210	440	90	EPR-R120S	1SKR212001C0001
2 row 24 mod, Flush	360	300	90	EPR-R236S	1SKR222401C0001
3 row 36 mod, Flush	510	300	90	EPR-R336S	1SKR233601C0001
4 row 48 mod, Flush	660	300	90	EPR-R448S	1SKR244801C0001

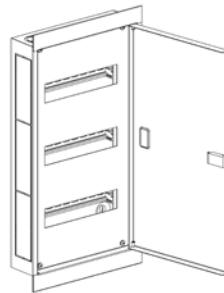
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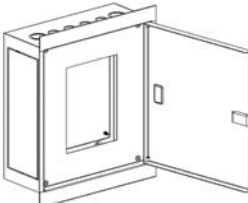
# Dimensions Details

## Transparent Door Flush

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way, Flush, Transparent door	380	350	90	EPR-W304FT	1SKR130410C0001
6 Way, Flush, Transparent door	430	350	90	EPR-W306FT	1SKR130610C0001
8 Way, Flush, Transparent door	480	350	90	EPR-W308FT	1SKR130810C0001
12 Way, Flush, Transparent door	585	350	90	EPR-W312FT	1SKR131210C0001
16 Way, Flush, Transparent door	690	350	90	EPR-W316FT	1SKR131610C0001

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way without busbar, Flush, Transparent door	380	350	90	EPR-V304FT	1SKR030410C0001
6 Way without busbar, Flush, Transparent door	430	350	90	EPR-V306FT	1SKR030610C0001
8 Way without busbar, Flush, Transparent door	480	350	90	EPR-V308FT	1SKR030810C0001
12 Way without busbar, Flush, Transparent door	580	350	90	EPR-V312FT	1SKR031210C0001
16 Way without busbar, Flush, Transparent door	690	350	90	EPR-V316FT	1SKR031610C0001


Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 1 row 6mod, Flush, Transparent door	210	250	90	EPR-R106FT	1SKR210610C0001
1 row 10mod, Flush, Transparent door	210	250	90	EPR-R110FT	1SKR211010C0001
1 row 12mod, Flush, Transparent door	210	300	90	EPR-R112FT	1SKR211210C0001
1 row 16mod, Flush, Transparent door	210	370	90	EPR-R120FT	1SKR211610C0001
1 row 20mod, Flush, Transparent door	210	440	90	EPR-R120FT	1SKR212010C0001
2 row 24 mod, Flush, Transparent door	360	300	90	EPR-R236FT	1SKR222410C0001
3 row 36 mod, Flush, Transparent door	510	300	90	EPR-R336FT	1SKR233610C0001
4 row 48 mod, Flush, Transparent door	660	300	90	EPR-R448FT	1SKR244810C0001

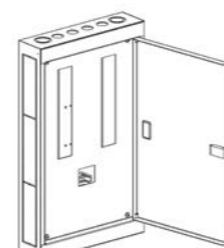
Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 Metering cabinet 3Ph - Conventional, Flush, Transparent door	380	350	150	EPR-3PHC	1SKR630110C0001
Metering cabinet 1Ph - Conventional, Flush, Transparent door	300	230	130	EPR-1PHC	1SKR610110C0001
Metering cabinet 3Ph - Electronic, Flush, Transparent door	380	350	90	EPR-3PHE	1SKR630210C0001
Metering cabinet 1Ph - Electronic, Flush, Transparent door	300	230	90	EPR-3PHE	1SKR610210C0001

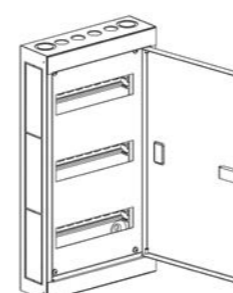
\*Above dimensions are for housing, cover dimensions will be increased by 70mm in height and 20mm in width for flush type

# Dimensions Details

## Transparent Door Surface

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way, Surface, Transparent door	380	350	90	EPR-W304ST	1SKR130411C0001
6 Way, Surface, Transparent door	430	350	90	EPR-W306ST	1SKR130611C0001
8 Way, Surface, Transparent door	480	350	90	EPR-W308ST	1SKR130811C0001
12 Way, Surface, Transparent door	585	350	90	EPR-W312ST	1SKR131211C0001
16 Way, Surface, Transparent door	690	350	90	EPR-W316ST	1SKR131611C0001

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 4 Way without busbar, Surface, Transparent door	380	350	90	EPR-V304ST	1SKR030411C0001
6 Way without busbar, Surface, Transparent door	430	350	90	EPR-V306ST	1SKR030611C0001
8 Way without busbar, Surface, Transparent door	480	350	90	EPR-V308ST	1SKR030811C0001
12 Way without busbar, Surface, Transparent door	585	350	90	EPR-V312ST	1SKR031211C0001
16 Way without busbar, Surface, Transparent door	690	350	90	EPR-V316ST	1SKR031611C0001

Description	Dimensions			Ordering details	
	H	W	D	Type code	Type code
 1 row 6mod, Surface, Transparent door	210	250	90	EPR-R106ST	1SKR210611C0001
1 row 10mod, Surface, Transparent door	210	250	90	EPR-R110ST	1SKR211011C0001
1 row 12mod, Surface, Transparent door	210	300	90	EPR-R112ST	1SKR211211C0001
1 row 16mod, Surface, Transparent door	210	370	90	EPR-R120ST	1SKR211611C0001
1 row 20mod, Surface, Transparent door	210	440	90	EPR-R120ST	1SKR212011C0001
2 row 24 mod, Surface, Transparent door	360	300	90	EPR-R236ST	1SKR222411C0001
3 row 36 mod, Surface, Transparent door	510	300	90	EPR-R336ST	1SKR233611C0001
4 row 48 mod, Surface, Transparent door	660	300	90	EPR-R448ST	1SKR244811C0001

\*Above dimensions are for housing, cover dimensions will be increased by 70mm in height and 20mm in width for flush type



**Additional information**

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