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**ABB Group**  
**Electrification Products Division,**  
**Business Unit Smart Buildings**

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# Minicenter

## Final Distribution Boards





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**ABB provides electrical distribution solutions that improve power in entities to create safer, more energy-efficient and more productive environments.**



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The background of the page features a large, high-quality photograph of ABB Minicenter distribution boards. These are tall, white, industrial-grade electrical cabinets. The ABB logo is visible in red on the upper sections of the units. The boards are shown in a row, with some units having their doors slightly ajar, revealing internal components. The lighting is soft and even, highlighting the clean, professional design of the equipment.

## Introduction

Minicenter distribution boards are designed to provide safety, and reliability.

This product range is suitable for residential and commercial applications meeting latest market requirements.

Minicenter is available in row type, way type, and split type, in addition to extension boxes.

The row type is available in 16 modules and 24 modules per row, from 1 to 6 rows.

The way type is available from 4 to 24 ways.

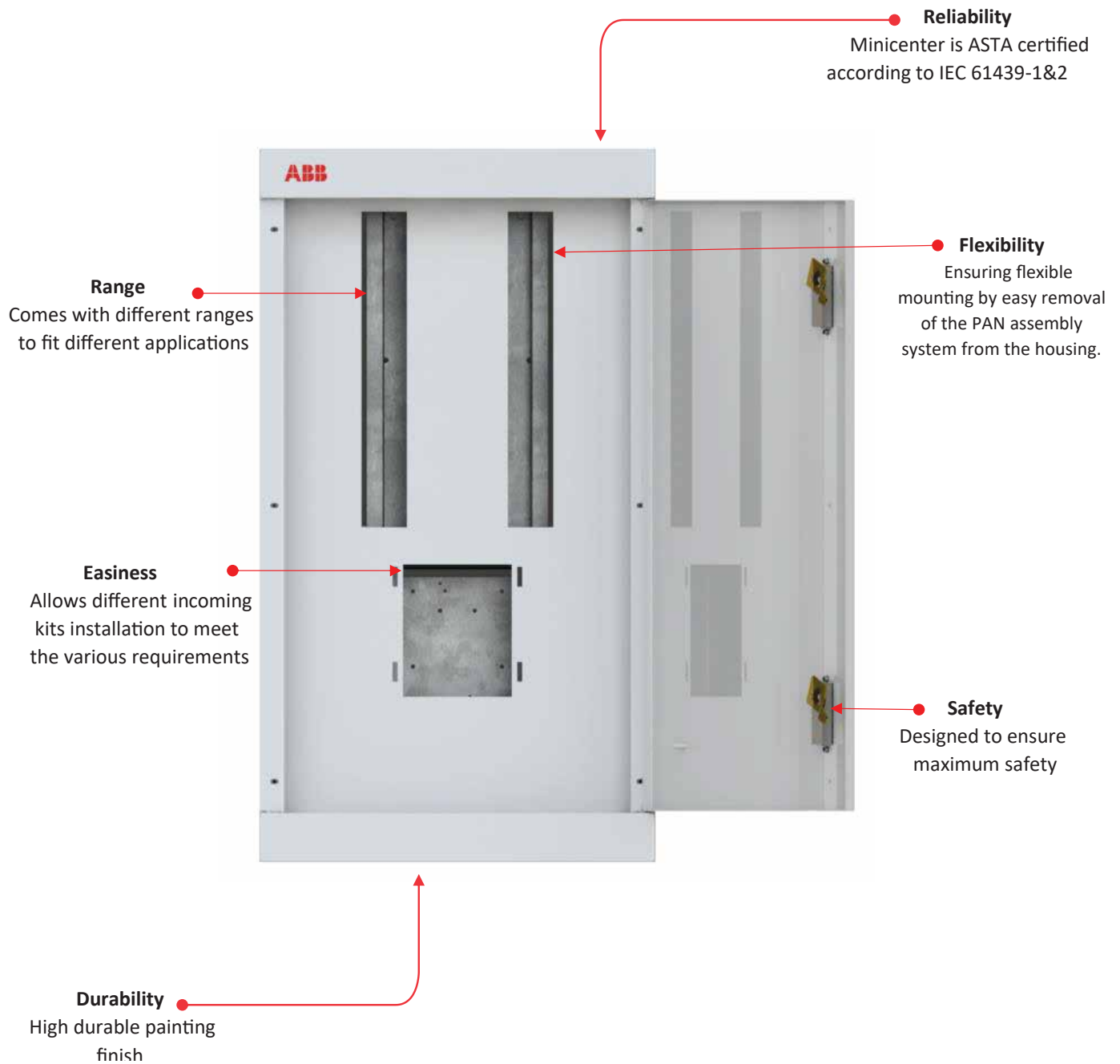
The split type is available in 18 different configurations.

Minicenter is designed for flush and surface mounting, and supplied without incoming and outgoing devices.





# General Characteristics



## Product Features



### Top and bottom knockouts

The knockouts come with three different sizes to adapt with different incoming/ outgoing cables.

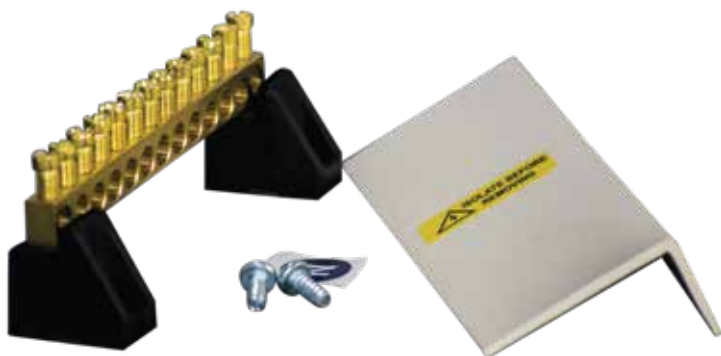
### Door lock

Designed to provide simple use and reinforced security option to limit any unauthorized access.



### Neutral & PE terminals

Come with matched number of holes with the outgoing cables in order to facilitate the access of any terminal.



### Reversible door

Depending on the customer's needs, it is possible to hinge the door on the left or right/ on both sides.

\*Different latch has to be ordered to reverse the door

\*The standard enclosure is provided with right latch by default

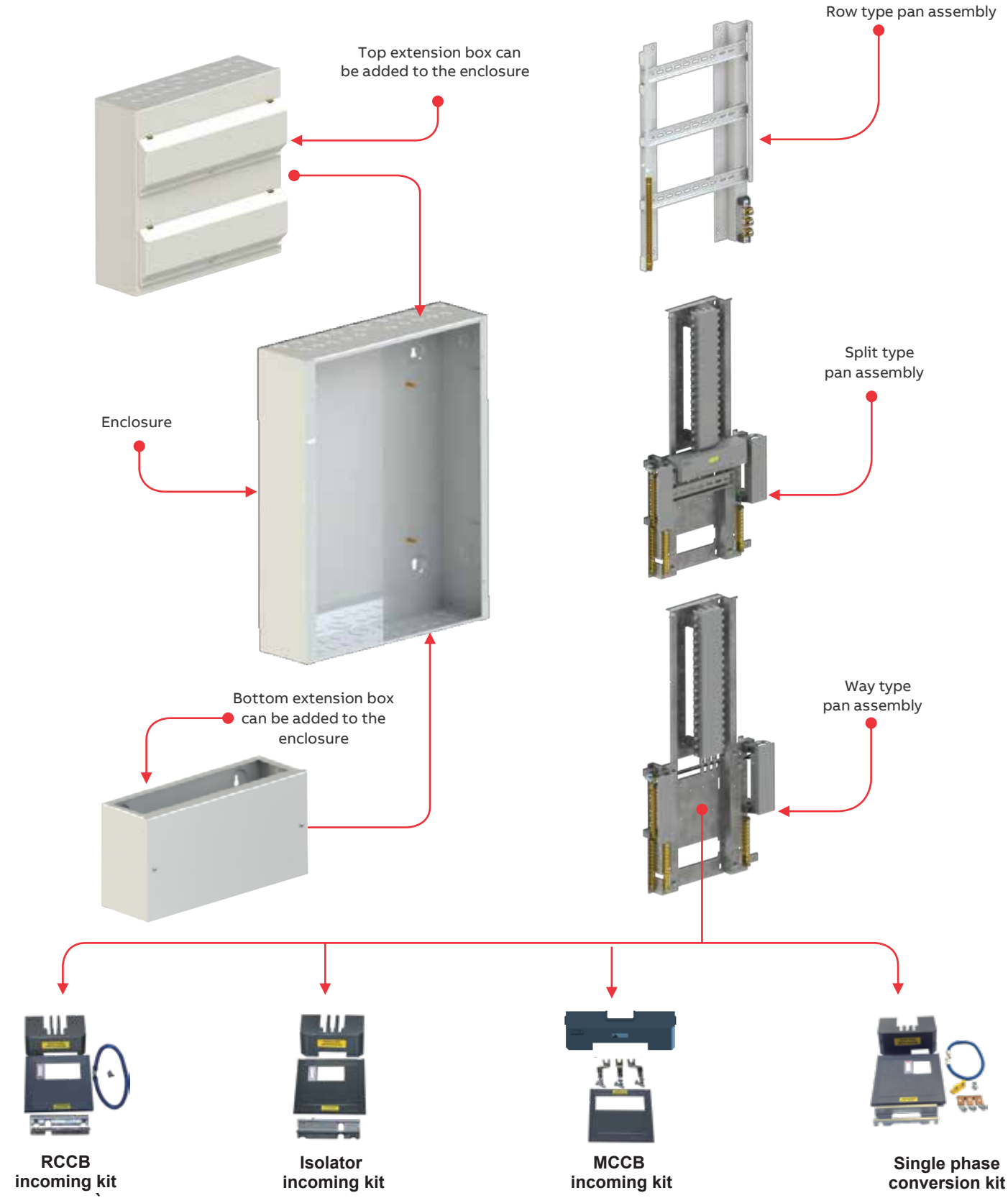






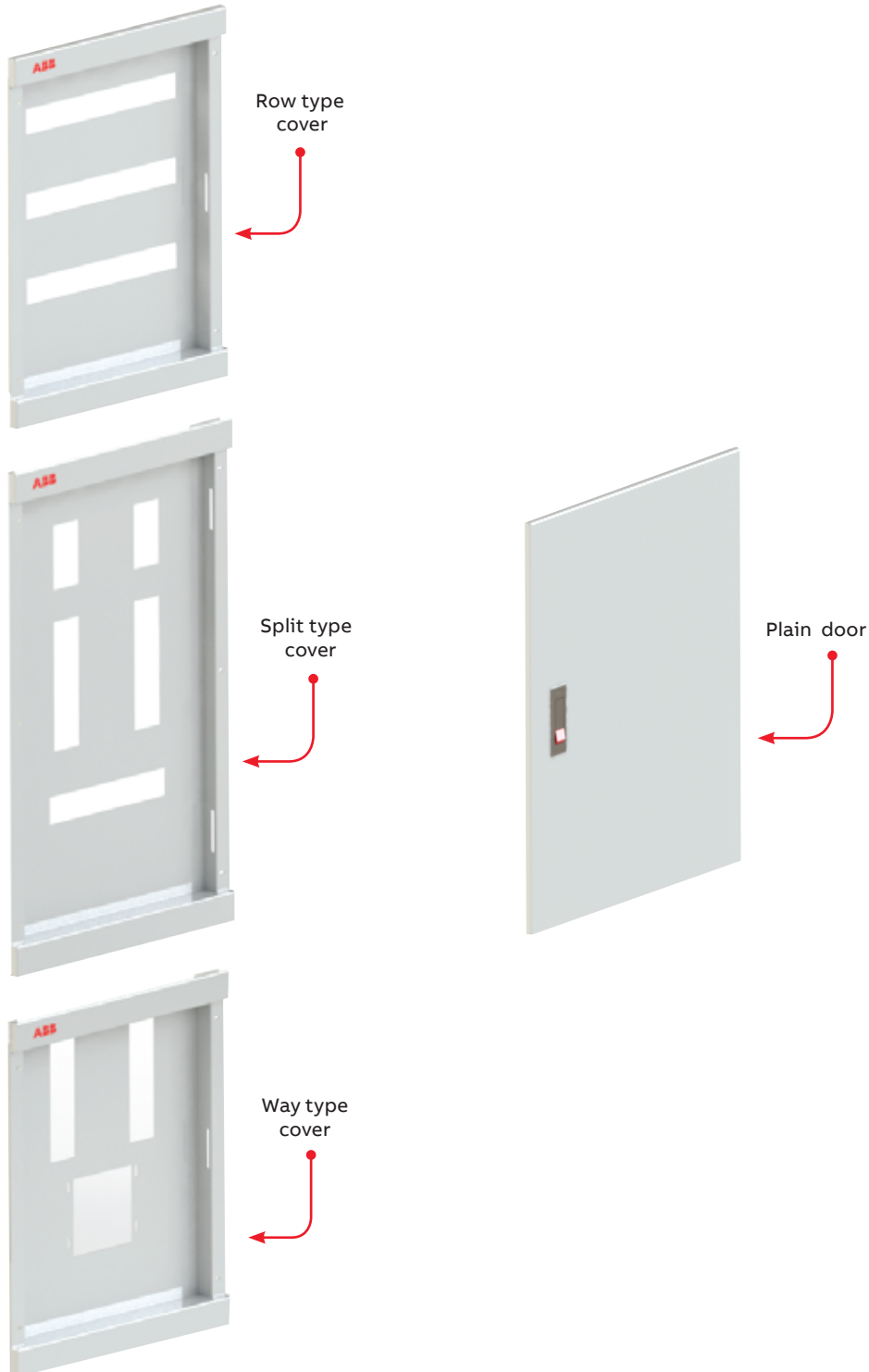
# Product Features

One Enclosure for Multiple Application



# Product Features

Doors and Internal Protection Cover



- Minicenter fulfills the different needs through the shown different types.
- Different kit sets are available according to the required type.
- Extension boxes can be installed for any future-arising needs.





# Technical Details

## Type A Consumer Unit



|                               |                            |       |
|-------------------------------|----------------------------|-------|
| Electrical characteristics    |                            |       |
| Standard                      | IEC 61439-2; BS EN 61439-2 |       |
| Max. load                     | @35° C                     | 100 A |
|                               |                            |       |
| Max. voltage                  | 240/415 V                  |       |
|                               |                            |       |
| AC, 50/60 Hz                  |                            |       |
|                               |                            |       |
| Mechanical characteristics    |                            |       |
| Degree of protection          | IP30                       |       |
| Degree of mechanical strength | IK 07                      |       |
| Installation                  | Indoor                     |       |
| Mounting                      | Flush and Surface mounted  |       |
| Enclosure material            | Galvanized sheet steel 1mm |       |
| Enclosure finish              | RAL 7035, RAL 9010         |       |
|                               |                            |       |
| Row type                      |                            |       |
| No. of LINES                  | 7,10,16 AND 20 LINES       |       |
|                               |                            |       |
| 4R 96 and 5R 120              |                            |       |





# Technical Details

## Type B MCB Distribution Board



|                               |        |                                                                                                   |
|-------------------------------|--------|---------------------------------------------------------------------------------------------------|
| Electrical characteristics    |        |                                                                                                   |
| Standard                      |        | IEC 61439-2; BS EN 61439-2                                                                        |
| Max. load                     | @35° C | 160 A, 250 A                                                                                      |
| Max. load                     | @50° C | 115 A, 200 A                                                                                      |
| Max. voltage                  |        | 240/415 V                                                                                         |
|                               |        | AC, 50/60 Hz                                                                                      |
| Mechanical characteristics    |        |                                                                                                   |
| Degree of protection          |        | IP41                                                                                              |
| Degree of mechanical strength |        | IK 07                                                                                             |
| Installation                  |        | Indoor                                                                                            |
| Mounting                      |        | Flush and Surface mounted                                                                         |
| Enclosure material            |        | Galvanized sheet steel 1 mm                                                                       |
| Enclosure finish              |        | RAL 7035, RAL 9010                                                                                |
| Row type                      |        |                                                                                                   |
| No. of rows                   |        | 1R 20, 2R 32, 3R 48, 4R 64, 5R 80, 6R 96                                                          |
| No. of rows                   |        | 4R 96, 5R 120, 6R 144                                                                             |
| Way type                      |        |                                                                                                   |
| No. of ways                   |        | 4,6,8,10,12,14,16,20 and 24 ways                                                                  |
| Split type                    |        |                                                                                                   |
| No. of ways                   |        | 2+2, 4+2, 2+4, 4+4, 4+6, 6+4, 4+8, 8+4, 6+6, 6+8, 8+6, 10+4, 4+10, 8+8, 10+6, 6+10, 12+4 and 4+12 |

Ordering Details

Type A  
Surface mounting

Plastic Flap door

|                                                                                   | No. of rows | No. of modules | Dimensions |     |    | Ordering details |                 |
|-----------------------------------------------------------------------------------|-------------|----------------|------------|-----|----|------------------|-----------------|
|                                                                                   |             |                | H          | W   | D  | Type code        | Type No.        |
|  | 1           | 7              | 256        | 209 | 88 | ECT 107 S        | 2TQA107632B0001 |
|                                                                                   | 1           | 10             | 256        | 263 | 88 | ECT 110 S        | 2TQA110632B0001 |
|                                                                                   | 1           | 16             | 256        | 366 | 88 | ECT 116 S        | 2TQA116632B0001 |
|                                                                                   | 1           | 20             | 256        | 440 | 88 | ECT 120 S        | 2TQA120632B0001 |

Steel Flap door

|                                                                                     | No. of rows | No. of modules | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|----------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             |                | H          | W   | D   | Type code        | Type No.        |
|  | 1           | 7              | 256        | 209 | 110 | ECS 107 DS       | 2TQA107632B0002 |
|                                                                                     | 1           | 10             | 256        | 263 | 110 | ECS 110 DS       | 2TQA110632B0002 |
|                                                                                     | 1           | 16             | 256        | 366 | 110 | ECS 116 DS       | 2TQA116632B0002 |
|                                                                                     | 1           | 20             | 256        | 440 | 110 | ECS 120 DS       | 2TQA120632B0002 |

\* The depth doesn't include the steel flap door

Plastic Flap door

|                                                                                     | No. of rows | No. of modules | Dimensions |     |    | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|----------------|------------|-----|----|------------------|-----------------|
|                                                                                     |             |                | H          | W   | D  | Type code        | Type No.        |
|  | 1           | 7              | 276        | 229 | 88 | ECT 107 F        | 2TQA107932B0001 |
|                                                                                     | 1           | 10             | 276        | 283 | 88 | ECT 110 F        | 2TQA110932B0001 |
|                                                                                     | 1           | 16             | 276        | 386 | 88 | ECT 116 F        | 2TQA116932B0001 |
|                                                                                     | 1           | 20             | 276        | 460 | 88 | ECT 120 F        | 2TQA120932B0001 |

Steel Flap door

|                                                                                     | No. of rows | No. of modules | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|----------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             |                | H          | W   | D   | Type code        | Type No.        |
|  | 1           | 7              | 276        | 229 | 110 | ECS 107 DF       | 2TQA107932B0002 |
|                                                                                     | 1           | 10             | 276        | 283 | 110 | ECS 110 DF       | 2TQA110932B0002 |
|                                                                                     | 1           | 16             | 276        | 386 | 110 | ECS116 DF        | 2TQA116932B0002 |
|                                                                                     | 1           | 20             | 276        | 460 | 110 | ECS 120 DF       | 2TQA120932B0002 |

\* The depth doesn't include the steel flap door

Ordering Details

Type B - Row type  
Surface mounting

Plain door - not including neutral and earth bars

|                                                                                   | No. of rows | No. of modules | No. of mod./ Row | Dimensions |     |     | Ordering details  |                 |
|-----------------------------------------------------------------------------------|-------------|----------------|------------------|------------|-----|-----|-------------------|-----------------|
|                                                                                   |             |                |                  | H          | W   | D   | Type code         | Type No.        |
|  | 1           | 20             | 20               | 280        | 400 | 132 | EMC 120 RXS/WONE  | 2TQA120142M0009 |
|                                                                                   | 2           | 32             | 16               | 430        | 400 | 132 | EMC 232 RXS/WONE  | 2TQA232142M0009 |
|                                                                                   | 3           | 48             | 16               | 580        | 400 | 132 | EMC 348 RXS/WONE  | 2TQA348142M0009 |
|                                                                                   | 4           | 64             | 16               | 730        | 400 | 132 | EMC 464 RXS/WONE  | 2TQA464142M0009 |
|                                                                                   | 5           | 80             | 16               | 880        | 400 | 132 | EMC 580 RXS/WONE  | 2YQA580142M0009 |
|                                                                                   | 6           | 96             | 16               | 1030       | 400 | 132 | EMC 696 RXS/WONE  | 2TQA696142M0009 |
|                                                                                   | 3           | 72             | 24               | 580        | 544 | 132 | EMC 0372 RXS/WONE | 2TQA307224M0009 |
|                                                                                   | 4           | 96             | 24               | 730        | 544 | 132 | EMC 0496 RXS/WONE | 2TQA409524M0009 |
|                                                                                   | 5           | 120            | 24               | 880        | 544 | 132 | EMC 5120 RXS/WONE | 2TQA512124M0009 |
|                                                                                   | 6           | 144            | 24               | 1030       | 544 | 132 | EMC 6144 RXS/WONE | 2TQA614124M0009 |
|                                                                                   |             |                |                  |            |     |     |                   |                 |
|                                                                                   |             |                |                  |            |     |     |                   |                 |

Type B - Row type  
Flush mounting

Plain door- not including neutral and earth bars

|                                                                                     | No. of rows | No. of modules | No. of mod./ Row | Dimensions |     |     | Ordering details  |                 |
|-------------------------------------------------------------------------------------|-------------|----------------|------------------|------------|-----|-----|-------------------|-----------------|
|                                                                                     |             |                |                  | H          | W   | D   | Type code         | Type No.        |
|  | 1           | 20             | 20               | 320        | 420 | 132 | EMC 120 RXF/WONE  | 2TQA120242M0009 |
|                                                                                     | 2           | 32             | 16               | 470        | 420 | 132 | EMC 232 RXF/WONE  | 2TQA232242M0009 |
|                                                                                     | 3           | 48             | 16               | 620        | 420 | 132 | EMC 348 RXF/WONE  | 2TQA348242M0009 |
|                                                                                     | 4           | 64             | 16               | 770        | 420 | 132 | EMC 464 RXF/WONE  | 2TQA464242M0009 |
|                                                                                     | 5           | 80             | 16               | 920        | 420 | 132 | EMC 580 RXF/WONE  | 2TQA580242M0009 |
|                                                                                     | 6           | 96             | 16               | 1070       | 420 | 132 | EMC 696 RXF/WONE  | 2TQA696242M0009 |
|                                                                                     | 3           | 72             | 24               | 620        | 564 | 132 | EMC 0372 RXF/WONE | 2TQA307224M0009 |
|                                                                                     | 4           | 96             | 24               | 770        | 564 | 132 | EMC 0496 RXF/WONE | 2TQA409624M0009 |
|                                                                                     | 5           | 120            | 24               | 920        | 564 | 132 | EMC 5120 RXF/WONE | 2TQA512024M0009 |
|                                                                                     | 6           | 144            | 24               | 1070       | 564 | 132 | EMC 6144 RXF/WONE | 2TQA614024M0009 |
|                                                                                     |             |                |                  |            |     |     |                   |                 |
|                                                                                     |             |                |                  |            |     |     |                   |                 |

## Ordering Details

Type B - Row type

Surface mounting Including gland boxes

Plain door - not including neutral and earth bars

|                                                                                   | No. of rows | No. of modules | No. of mod./ Row | Dimensions |     |     | Ordering details     |                 |
|-----------------------------------------------------------------------------------|-------------|----------------|------------------|------------|-----|-----|----------------------|-----------------|
|                                                                                   |             |                |                  | H          | W   | D   | Type code            | Type No.        |
|  | 1           | 20             | 20               | 280        | 400 | 132 | EMC 120 RXS/WONE GB  | 2TQA120142M0010 |
|                                                                                   | 2           | 32             | 16               | 430        | 400 | 132 | EMC 232 RXS/WONE GB  | 2TQA232142M0010 |
|                                                                                   | 3           | 48             | 16               | 580        | 400 | 132 | EMC 348 RXS/WONE GB  | 2TQA348142M0010 |
|                                                                                   | 4           | 64             | 16               | 730        | 400 | 132 | EMC 464 RXS/WONE GB  | 2TQA464142M0010 |
|                                                                                   | 5           | 80             | 16               | 880        | 400 | 132 | EMC 580 RXS/WONE GB  | 2YQA580142M0010 |
|                                                                                   | 6           | 96             | 16               | 1030       | 400 | 132 | EMC 696 RXS/WONE GB  | 2TQA696142M0010 |
|                                                                                   | 3           | 72             | 24               | 580        | 544 | 132 | EMC 0372 RXS/WONE GB | 2TQA307224M0010 |
|                                                                                   | 4           | 96             | 24               | 730        | 544 | 132 | EMC 0496 RXS/WONE GB | 2TQA409524M0010 |
|                                                                                   | 5           | 120            | 24               | 880        | 544 | 132 | EMC 5120 RXS/WONE GB | 2TQA512124M0010 |
|                                                                                   | 6           | 144            | 24               | 1030       | 544 | 132 | EMC 6144 RXS/WONE GB | 2TQA614124M0010 |

Type B - Row type

Flush mounting Including gland boxes

Plain door- not including neutral and earth bars

|                                                                                     | No. of rows | No. of modules | No. of mod./ Row | Dimensions |     |     | Ordering details     |                 |
|-------------------------------------------------------------------------------------|-------------|----------------|------------------|------------|-----|-----|----------------------|-----------------|
|                                                                                     |             |                |                  | H          | W   | D   | Type code            | Type No.        |
|  | 1           | 20             | 20               | 320        | 420 | 132 | EMC 120 RXF/WONE GB  | 2TQA120242M0010 |
|                                                                                     | 2           | 32             | 16               | 470        | 420 | 132 | EMC 232 RXF/WONE GB  | 2TQA232242M0010 |
|                                                                                     | 3           | 48             | 16               | 620        | 420 | 132 | EMC 348 RXF/WONE GB  | 2TQA348242M0010 |
|                                                                                     | 4           | 64             | 16               | 770        | 420 | 132 | EMC 464 RXF/WONE GB  | 2TQA464242M0010 |
|                                                                                     | 5           | 80             | 16               | 920        | 420 | 132 | EMC 580 RXF/WONE GB  | 2TQA580242M0010 |
|                                                                                     | 6           | 96             | 16               | 1070       | 420 | 132 | EMC 696 RXF/WONE GB  | 2TQA696242M0010 |
|                                                                                     | 3           | 72             | 24               | 620        | 564 | 132 | EMC 0372 RXF/WONE GB | 2TQA307224M0010 |
|                                                                                     | 4           | 96             | 24               | 770        | 564 | 132 | EMC 0496 RXF/WONE GB | 2TQA409624M0010 |
|                                                                                     | 5           | 120            | 24               | 920        | 564 | 132 | EMC 5120 RXF/WONE GB | 2TQA512024M0010 |
|                                                                                     | 6           | 144            | 24               | 1070       | 564 | 132 | EMC 6144 RXF/WONE GB | 2TQA614024M0010 |

Ordering Details

Type B - Way type

Surface mounting

Plain door – Rating 160 A @35°C, 115 A @ 50°C

|                                                                                   | No. of ways | Dimensions |     |     | Ordering details |                 |
|-----------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                   |             | H          | W   | D   | Type code        | Type No.        |
|  | 4           | 500        | 400 | 132 | EMC 312 CS-16    | 2TQA804142M0111 |
|                                                                                   | 6           | 560        | 400 | 132 | EMC 318 CS-16    | 2TQA806142M0111 |
|                                                                                   | 8           | 610        | 400 | 132 | EMC 324 CS-16    | 2TQA808142M0111 |
|                                                                                   | 10          | 610        | 400 | 132 | EMC 330 CS-16    | 2TQA810142M0111 |
|                                                                                   | 12          | 720        | 400 | 132 | EMC 336 CS-16    | 2TQA812142M0111 |
|                                                                                   | 14          | 720        | 400 | 132 | EMC 342 CS-16    | 2TQA814142M0112 |
|                                                                                   | 16          | 830        | 400 | 132 | EMC 348 CS-16    | 2TQA816142M0111 |
|                                                                                   | 20          | 1000       | 400 | 132 | EMC 360 CS-16    | 2TQA820142M0111 |
|                                                                                   | 24          | 1140       | 400 | 132 | EMC 372 CS-16    | 2TQA824142M0111 |

Plain door - MX Series - Rating 160 A @35°C, 115 A @ 50°C

|                                                                                     | No. of ways | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             | H          | W   | D   | Type code        | Type No.        |
|  | 4           | 500        | 400 | 132 | EMC 312 MXOMS-16 | 2TQA804142M6111 |
|                                                                                     | 6           | 560        | 400 | 132 | EMC 318 MXOMS-16 | 2TQA806142M6111 |
|                                                                                     | 8           | 610        | 400 | 132 | EMC 324 MXOMS-16 | 2TQA808142M6111 |
|                                                                                     | 10          | 610        | 400 | 132 | EMC 330 MXOMS-16 | 2TQA810142M6111 |
|                                                                                     | 12          | 720        | 400 | 132 | EMC 336 MXOMS-16 | 2TQA812142M6111 |
|                                                                                     | 14          | 720        | 400 | 132 | EMC 342 MXOMS-16 | 2TQA814142M6111 |
|                                                                                     | 16          | 830        | 400 | 132 | EMC 348 MXOMS-16 | 2TQA816142M6111 |
|                                                                                     | 20          | 1000       | 400 | 132 | EMC 360 MXOMS-16 | 2TQA820142M6111 |
|                                                                                     | 24          | 1140       | 400 | 132 | EMC 372 MXOMS-16 | 2TQA824142M6111 |

\*\*Provision for incomer isolator and RCCB supplied with cables

Plain door – Rating 250 A @35°C, 200 A @ 50°C

|                                                                                     | No. of ways | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             | H          | W   | D   | Type code        | Type No.        |
|  | 4           | 500        | 400 | 132 | EMC25 312 CS     | 2TQA804142M0511 |
|                                                                                     | 6           | 560        | 400 | 132 | EMC25 318 CS     | 2TQA806142M0511 |
|                                                                                     | 8           | 610        | 400 | 132 | EMC25 324 CS     | 2TQA808142M0511 |
|                                                                                     | 10          | 610        | 400 | 132 | EMC25 330 CS     | 2TQA810142M0511 |
|                                                                                     | 12          | 720        | 400 | 132 | EMC25 336 CS     | 2TQA812142M0511 |
|                                                                                     | 14          | 720        | 400 | 132 | EMC25 342 CS     | 2TQA814142M0511 |
|                                                                                     | 16          | 830        | 400 | 132 | EMC25 348 CS     | 2TQA816142M0511 |
|                                                                                     | 20          | 1000       | 400 | 132 | EMC25 360 CS     | 2TQA820142M0511 |
|                                                                                     | 24          | 1140       | 400 | 132 | EMC25 372 CS     | 2TQA824142M0511 |



Ordering Details

Type B - Way type

Flush mounting

Plain door – Rating 160 A @35°C, 115 A @ 50°C

|                                                                                   | No. of ways | Dimensions |     |     | Ordering details |                 |
|-----------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                   |             | H          | W   | D   | Type code        | Type No.        |
|  | 4           | 540        | 420 | 132 | EMC 312 CF-16    | 2TQA804242M0111 |
|                                                                                   | 6           | 600        | 420 | 132 | EMC 318 CF-16    | 2TQA806242M0111 |
|                                                                                   | 8           | 650        | 420 | 132 | EMC 324 CF-16    | 2TQA808242M0111 |
|                                                                                   | 10          | 650        | 420 | 132 | EMC 330 CF-16    | 2TQA810242M0111 |
|                                                                                   | 12          | 760        | 420 | 132 | EMC 336 CF-16    | 2TQA812242M0111 |
|                                                                                   | 14          | 760        | 420 | 132 | EMC 342 CF-16    | 2TQA814242M0112 |
|                                                                                   | 16          | 870        | 420 | 132 | EMC 348 CF-16    | 2TQA816242M0111 |
|                                                                                   | 20          | 1040       | 420 | 132 | EMC 360 CF-16    | 2TQA820242M0111 |
|                                                                                   | 24          | 1180       | 420 | 132 | EMC 372 CF-16    | 2TQA824242M0111 |

Plain door - MX Series - Rating 160 A @35°C, 115 A @ 50°C, flush mounting

|                                                                                     | No. of ways | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             | H          | W   | D   | Type code        | Type No.        |
|  | 4           | 540        | 420 | 132 | EMC 312 MXOMF-16 | 2TQA804242M6111 |
|                                                                                     | 6           | 600        | 420 | 132 | EMC 318 MXOMF-16 | 2TQA806242M6111 |
|                                                                                     | 8           | 650        | 420 | 132 | EMC 324 MXOMF-16 | 2TQA808242M6111 |
|                                                                                     | 10          | 650        | 420 | 132 | EMC 330 MXOMF-16 | 2TQA810242M6111 |
|                                                                                     | 12          | 760        | 420 | 132 | EMC 336 MXOMF-16 | 2TQA812242M6111 |
|                                                                                     | 14          | 760        | 420 | 132 | EMC 342 MXOMF-16 | 2TQA814242M6111 |
|                                                                                     | 16          | 870        | 420 | 132 | EMC 348 MXOMF-16 | 2TQA816242M6111 |
|                                                                                     | 20          | 1040       | 420 | 132 | EMC 360 MXOMF-16 | 2TQA820242M6111 |
|                                                                                     | 24          | 1180       | 420 | 132 | EMC 372 MXOMF-16 | 2TQA824242M6111 |

\*\*Provision for incomer isolator and RCCB supplied with cables

Plain door – Rating 250 A @35°C, 200 A @ 50°C

|                                                                                     | No. of ways | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             | H          | W   | D   | Type code        | Type No.        |
|  | 4           | 540        | 420 | 132 | EMC25 312 CF     | 2TQA804242M0511 |
|                                                                                     | 6           | 600        | 420 | 132 | EMC25 318 CF     | 2TQA806242M0511 |
|                                                                                     | 8           | 650        | 420 | 132 | EMC25 324 CF     | 2TQA808242M0511 |
|                                                                                     | 10          | 650        | 420 | 132 | EMC25 330 CF     | 2TQA810242M0511 |
|                                                                                     | 12          | 760        | 420 | 132 | EMC25 336 CF     | 2TQA812242M0511 |
|                                                                                     | 14          | 760        | 420 | 132 | EMC25 342 CF     | 2TQA814242M0511 |
|                                                                                     | 16          | 870        | 420 | 132 | EMC25 348 CF     | 2TQA816242M0511 |
|                                                                                     | 20          | 1040       | 420 | 132 | EMC25 360 CF     | 2TQA820242M0511 |
|                                                                                     | 24          | 1180       | 420 | 132 | EMC25 372 CF     | 2TQA824242M0511 |

Ordering Details

Type B - Split type

Surface mounting

Plain door – Rating 160 A @35°C, 115 A @ 50°C

|                                                                                    | *No. of ways | Dimensions |     |     | Ordering details |                 |
|------------------------------------------------------------------------------------|--------------|------------|-----|-----|------------------|-----------------|
|                                                                                    |              | H          | W   | D   | Type code        | Type No.        |
|  | 2+2          | 560        | 400 | 132 | EMC-S202 S       | 2TQA302021M0202 |
|                                                                                    | 4+2          | 610        | 400 | 132 | EMC-S402 S       | 2TQA304021M0402 |
|                                                                                    | 2+4          | 610        | 400 | 132 | EMC-S204 S       | 2TQA302041M0204 |
|                                                                                    | 4+4          | 720        | 400 | 132 | EMC-S404 S       | 2TQA304041M0404 |
|                                                                                    | 4+6          | 720        | 400 | 132 | EMC-S406 S       | 2TQA304061M0406 |
|                                                                                    | 6+4          | 720        | 400 | 132 | EMC-S604 S       | 2TQA306041M0604 |
|                                                                                    | 4+8          | 830        | 400 | 132 | EMC-S408 S       | 2TQA304081M0408 |
|                                                                                    | 6+6          | 830        | 400 | 132 | EMC-S606 S       | 2TQA308041M0804 |
|                                                                                    | 8+4          | 830        | 400 | 132 | EMC-S804 S       | 2TQA306061M0606 |
|                                                                                    | 6+8          | 830        | 400 | 132 | EMC-S608 S       | 2TQA306081M0608 |
|                                                                                    | 8+6          | 830        | 400 | 132 | EMC-S806 S       | 2TQA308061M0806 |
|                                                                                    | 10+4         | 830        | 400 | 132 | EMC-S104 S       | 2TQA301041M0104 |
|                                                                                    | 4+10         | 830        | 400 | 132 | EMC-S410 S       | 2TQA304011M0401 |
|                                                                                    | 8+8          | 1000       | 400 | 132 | EMC-S808 S       | 2TQA308081M0808 |
|                                                                                    | 10+6         | 1000       | 400 | 132 | EMC-S106 S       | 2TQA301061M0106 |
|                                                                                    | 6+10         | 1000       | 400 | 132 | EMC-S610 S       | 2TQA306011M0601 |
|                                                                                    | 12+4         | 1000       | 400 | 132 | EMC-S124 S       | 2TQA301241M0124 |
|                                                                                    | 4+12         | 1000       | 400 | 132 | EMC-S412 S       | 2TQA304121M0412 |

\*Note: In this column the first digit represents bottom and the second letter for top way assemblies

Flush mounting

Plain door – Rating 160 A @35°C, 115 A @ 50°C

|                                                                                     | *No. of ways | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|--------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |              | H          | W   | D   | Type code        | Type No.        |
|  | 2+2          | 600        | 420 | 132 | EMC-S202 F       | 2TQA302022M0202 |
|                                                                                     | 4+2          | 650        | 420 | 132 | EMC-S402 F       | 2TQA304022M0402 |
|                                                                                     | 2+4          | 650        | 420 | 132 | EMC-S204 F       | 2TQA302042M0204 |
|                                                                                     | 4+4          | 760        | 420 | 132 | EMC-S404 F       | 2TQA304042M0404 |
|                                                                                     | 4+6          | 760        | 420 | 132 | EMC-S406 F       | 2TQA304062M0406 |
|                                                                                     | 6+4          | 760        | 420 | 132 | EMC-S604 F       | 2TQA306042M0604 |
|                                                                                     | 4+8          | 870        | 420 | 132 | EMC-S408 F       | 2TQA304082M0408 |
|                                                                                     | 6+6          | 870        | 420 | 132 | EMC-S606 F       | 2TQA308042M0804 |
|                                                                                     | 8+4          | 870        | 420 | 132 | EMC-S804 F       | 2TQA306062M0606 |
|                                                                                     | 6+8          | 870        | 420 | 132 | EMC-S608 F       | 2TQA306082M0608 |
|                                                                                     | 8+6          | 870        | 420 | 132 | EMC-S806 F       | 2TQA308062M0806 |
|                                                                                     | 10+4         | 870        | 420 | 132 | EMC-S104 F       | 2TQA301042M0104 |
|                                                                                     | 4+10         | 870        | 420 | 132 | EMC-S410 F       | 2TQA304012M0401 |
|                                                                                     | 8+8          | 1040       | 420 | 132 | EMC-S808 F       | 2TQA308082M0808 |
|                                                                                     | 10+6         | 1040       | 420 | 132 | EMC-S106 F       | 2TQA301062M0106 |
|                                                                                     | 6+10         | 1040       | 420 | 132 | EMC-S610 F       | 2TQA306012M0601 |
|                                                                                     | 12+4         | 1040       | 420 | 132 | EMC-S124 F       | 2TQA301242M0124 |
|                                                                                     | 4+12         | 1040       | 420 | 132 | EMC-S412 F       | 2TQA304122M0412 |

\*Note: In this column the first digit represents bottom and the second letter for top way assemblies

Ordering Details

Extension boxes

Top extension boxes for surface mounting with din-rail

|  | Type                    | Dimensions |     |     | Ordering details |                 |
|-----------------------------------------------------------------------------------|-------------------------|------------|-----|-----|------------------|-----------------|
|                                                                                   |                         | H          | W   | D   | Type code        | Type No.        |
|                                                                                   | Sheet steel flap/ 1 row | 200        | 400 | 154 | EMC 200S EXB S   | 2TQA254142A0001 |
|                                                                                   | Sheet steel flap/ 2 row | 400        | 400 | 154 | EMC 400S EXB S   | 2TQA255142A0001 |

Top extension boxes for flush mounting with din-rail

|  | Type                    | Dimensions |     |     | Ordering details |                 |
|------------------------------------------------------------------------------------|-------------------------|------------|-----|-----|------------------|-----------------|
|                                                                                    |                         | H          | W   | D   | Type code        | Type No.        |
|                                                                                    | Sheet steel flap/ 1 row | 220        | 420 | 154 | EMC 200S EXB F   | 2TQA254242A0001 |
|                                                                                    | Sheet steel flap/ 2 row | 420        | 420 | 154 | EMC 400S EXB F   | 2TQA255242A0001 |

Top / bottom extension boxes for surface mounting with back plate

|  | Type        | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             | H          | W   | D   | Type code        | Type No.        |
|                                                                                     | Plain cover | 200        | 400 | 132 | EMC 200 EXB S    | 2TQA252142A0001 |
|                                                                                     | Plain cover | 400        | 400 | 132 | EMC 400 EXB S    | 2TQA253142A0001 |

Top / bottom extension boxes for flush mounting with back plate

|  | Type        | Dimensions |     |     | Ordering details |                 |
|-------------------------------------------------------------------------------------|-------------|------------|-----|-----|------------------|-----------------|
|                                                                                     |             | H          | W   | D   | Type code        | Type No.        |
|                                                                                     | Plain cover | 220        | 420 | 132 | EMC 200 EXB F    | 2TQA252242A0001 |
|                                                                                     | Plain cover | 420        | 420 | 132 | EMC 400 EXB F    | 2TQA253242A0001 |

Ordering Details

Incoming kits



Single phase conversion kit; contains:

- Copper connector piece complete with fixing screws and washers
- Terminal shroud, and cover plate with 3 module opening
- DIN Rail mounting bracket for incoming device
- Neutral wire link (flexible blue 16 mm²)
- Kit parts list and instruction leaflet

| Kit No. | Ordering details |                 |
|---------|------------------|-----------------|
|         | Type code        | Type No.        |
| 6       | EPB KIT 6C1      | 1SKA146000C3001 |



Isolator incoming kit; contains:

- Copper connector piece complete with fixing screws and washers
- Terminal shroud, and cover plate with 3 module opening
- DIN Rail mounting bracket for incoming device
- Neutral wire link (flexible blue 16 mm²)
- Kit parts list and instruction leaflet

| Kit No. | Incoming Type          | Ordering details |                 |
|---------|------------------------|------------------|-----------------|
|         |                        | Type code        | Type No.        |
| 8       | 3-pole isolator or MCB | EPB KIT 8C       | 1SKA148000C1001 |



RCCB incoming kit; contains:

- Terminal shroud
- Cover plate with 3 module opening
- DIN Rail mounting bracket for incoming device
- Neutral wire link (flexible blue 16 mm²)
- Kit parts list and instruction leaflet
- Kit parts list and instruction leaflet

| Kit No. | Incoming Type           | Ordering details |                 |
|---------|-------------------------|------------------|-----------------|
|         |                         | Type code        | Type No.        |
| 2       | 4 pole RCCB F200 series | EPB KIT 2C       | 1SKA142000C1001 |



MCCB incoming kit; contains:

- Copper connector pieces for L1, L2, L3 complete with fixing screws and washers
- Terminal shroud, and cover plate
- Kit parts list and instruction leaflet

| Kit No. | Incoming type | Ordering details |                 |
|---------|---------------|------------------|-----------------|
|         |               | Type code        | Type No.        |
| 1       | XT1           | EPB KIT 1-XT1C1  | 1SKA141568C3001 |
|         | XT3           | EPB KIT 1-XT3C1  | 1SKA141568C3003 |
|         | A-1Formula    | EPB KIT 1-A1C1   | 1SKA141354C3001 |
|         | A-2Formula    | EPB KIT 1-A2C1   | 1SKA141354C3003 |

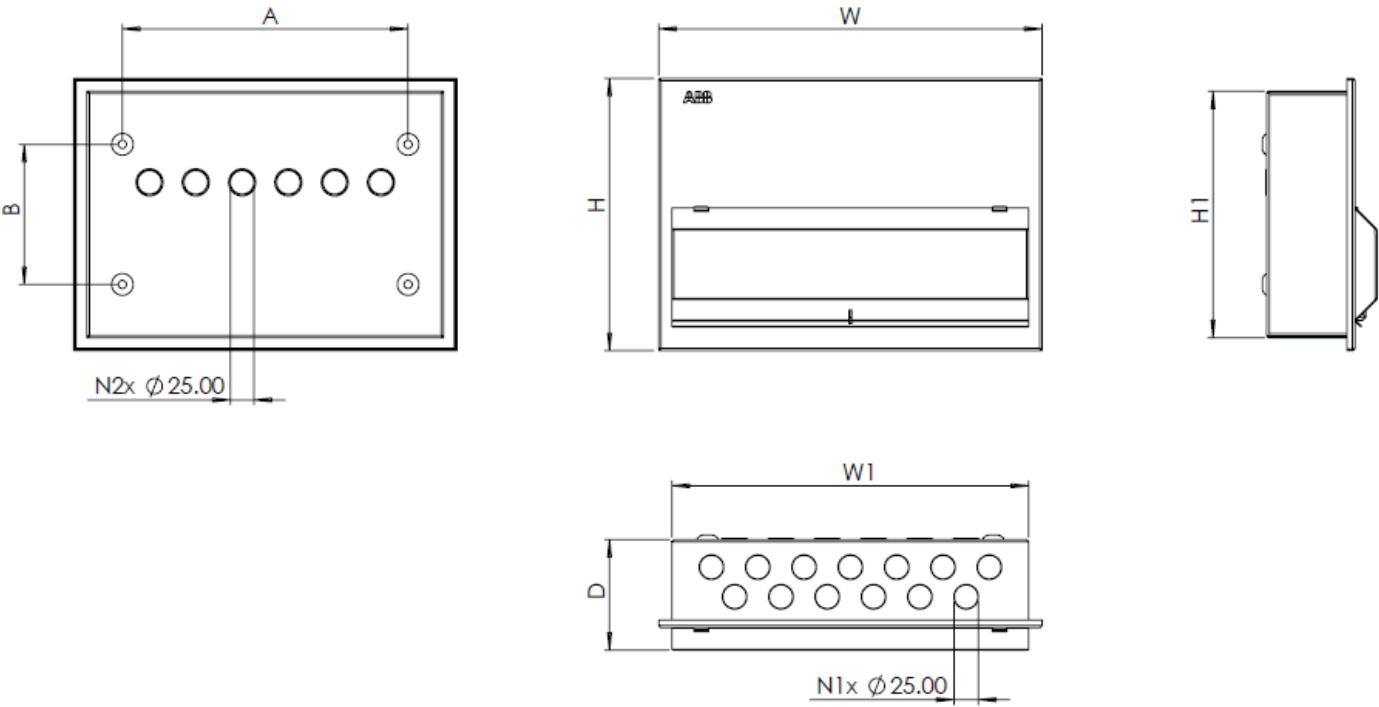
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Dimension Details

Type A



Surface

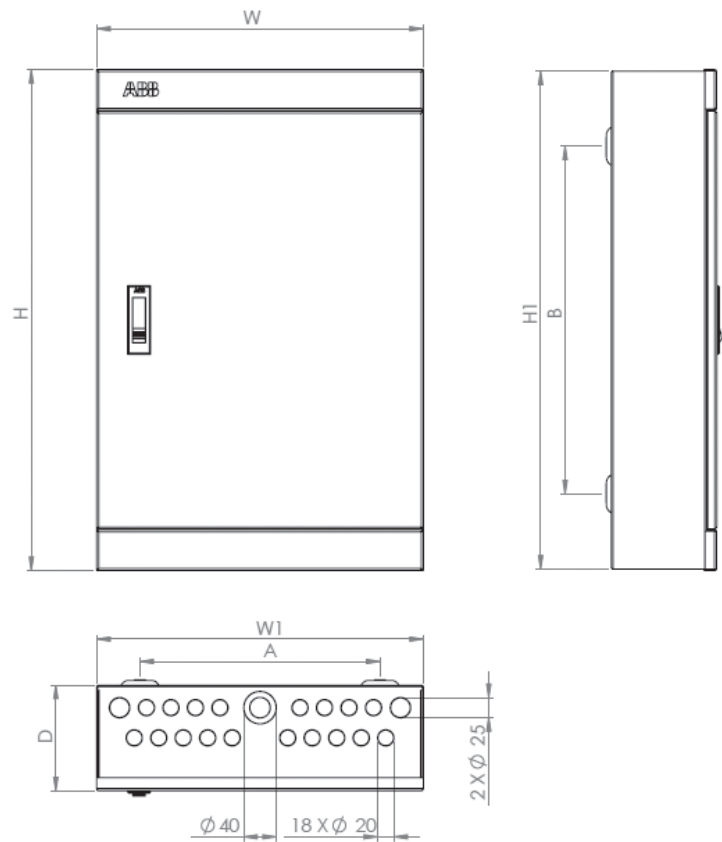
| TYPE Code  | H   | W   | D   | H1  | W1  | A   | B   | N1 | N2 |
|------------|-----|-----|-----|-----|-----|-----|-----|----|----|
| ECT 107 S  | 256 | 209 | 88  | 250 | 203 | 131 | 142 | 14 | 3  |
| ECT 110 S  | 256 | 263 | 88  | 250 | 257 | 185 | 142 | 18 | 4  |
| ECT 116 S  | 256 | 366 | 88  | 250 | 36  | 290 | 142 | 26 | 6  |
| ECT 120 S  | 256 | 440 | 88  | 250 | 434 | 362 | 142 | 34 | 6  |
| ECS 107 DS | 256 | 209 | 110 | 250 | 203 | 131 | 142 | 14 | 3  |
| ECS 110 DS | 256 | 263 | 110 | 250 | 257 | 185 | 142 | 18 | 4  |
| ECS 116 DS | 256 | 366 | 110 | 250 | 362 | 290 | 142 | 26 | 6  |
| ECS 120 DS | 256 | 440 | 110 | 250 | 434 | 362 | 142 | 34 | 6  |

Flush mounting

| TYPE Code  | H   | W   | D   | H1  | W1  | A   | B   | N1 | N2 |
|------------|-----|-----|-----|-----|-----|-----|-----|----|----|
| ECT 107 F  | 276 | 229 | 88  | 250 | 203 | 131 | 142 | 14 | 3  |
| ECT 110 F  | 276 | 283 | 88  | 250 | 257 | 185 | 142 | 18 | 4  |
| ECT 116 F  | 276 | 386 | 88  | 250 | 362 | 290 | 142 | 26 | 6  |
| ECT 120 F  | 276 | 460 | 88  | 250 | 434 | 362 | 142 | 34 | 6  |
| ECS 107 DF | 276 | 229 | 110 | 250 | 203 | 131 | 142 | 14 | 3  |
| ECS 110 DF | 276 | 283 | 110 | 250 | 257 | 185 | 142 | 18 | 4  |
| ECS 116 DF | 276 | 386 | 110 | 250 | 362 | 290 | 142 | 26 | 6  |
| ECS 120 DF | 276 | 460 | 110 | 250 | 434 | 362 | 142 | 34 | 6  |

Dimension Details

Flush Mounting  
Row type



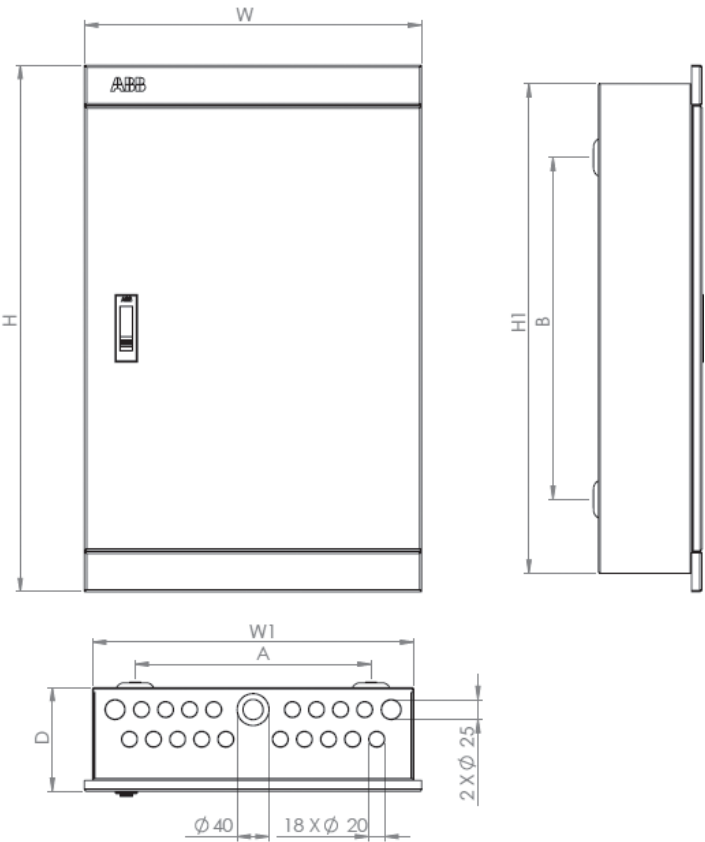
Surface mounting

| Type Code         | H    | W   | D   | H1   | W1  | A   | B   |
|-------------------|------|-----|-----|------|-----|-----|-----|
| EMC 120 RXS/WONE  | 280  | 400 | 132 | 280  | 400 | 294 | 26  |
| EMC 232 RXS/WONE  | 500  | 400 | 132 | 500  | 400 | 294 | 316 |
| EMC 348 RXS/WONE  | 650  | 400 | 132 | 650  | 400 | 294 | 466 |
| EMC 464 RXS/WONE  | 800  | 400 | 132 | 800  | 400 | 294 | 616 |
| EMC 580 RXS/WONE  | 950  | 400 | 132 | 950  | 400 | 294 | 766 |
| EMC 696 RXS/WONE  | 1140 | 400 | 132 | 1140 | 400 | 294 | 956 |
| EMC 0496 RXS/WONE | 805  | 524 | 132 | 805  | 524 | 418 | 621 |
| EMC 5120 RXS/WONE | 955  | 524 | 132 | 955  | 524 | 418 | 771 |



Dimension Details

Row type

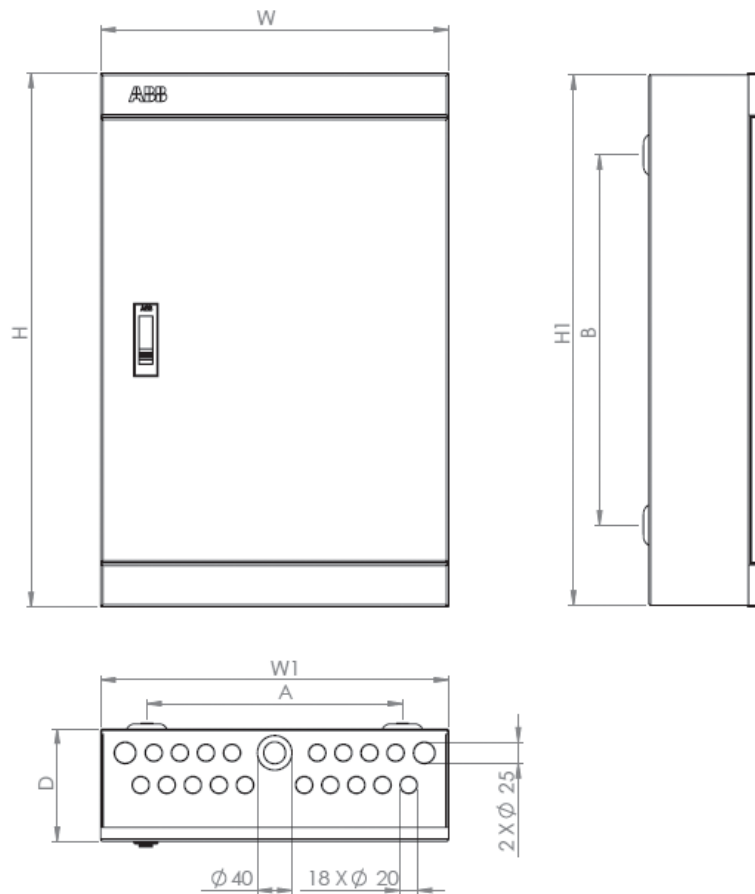


Flush mounting

| Type Code         | H    | W   | D   | H1   | W1  | A   | B   |
|-------------------|------|-----|-----|------|-----|-----|-----|
| EMC 120 RXF/WONE  | 320  | 420 | 132 | 280  | 400 | 294 | 96  |
| EMC 232 RXF/WONE  | 540  | 420 | 132 | 500  | 400 | 294 | 316 |
| EMC 348 RXF/WONE  | 690  | 420 | 132 | 650  | 400 | 294 | 466 |
| EMC 464 RXF/WONE  | 840  | 420 | 132 | 800  | 400 | 294 | 616 |
| EMC 580 RXF/WONE  | 990  | 420 | 132 | 950  | 400 | 294 | 766 |
| EMC 696 RXF/WONE  | 1180 | 420 | 132 | 1140 | 400 | 294 | 956 |
| EMC 0496 RXF/WONE | 845  | 544 | 132 | 805  | 524 | 418 | 621 |
| EMC 5120 RXF/WONE | 995  | 544 | 132 | 955  | 524 | 418 | 771 |

## Dimension Details

## Way type



## Surface mounting

| Type Code        | H    | W   | D   | H1   | W1  | A   | B   |
|------------------|------|-----|-----|------|-----|-----|-----|
| EMC 312 CS-16    | 500  | 400 | 132 | 500  | 400 | 294 | 316 |
| EMC25 312 CS     |      |     |     |      |     |     |     |
| EMC 312 MXOMS-16 |      |     |     |      |     |     |     |
| EMC 318 CS-16    | 560  | 400 | 132 | 560  | 400 | 294 | 376 |
| EMC25 318 CS     |      |     |     |      |     |     |     |
| EMC 318 MXOMS-16 |      |     |     |      |     |     |     |
| EMC 324 CS-16    | 610  | 400 | 132 | 610  | 400 | 294 | 426 |
| EMC25 324 CS     |      |     |     |      |     |     |     |
| EMC 324 MCOMS-16 |      |     |     |      |     |     |     |
| EMC 336 CS-16    | 720  | 400 | 132 | 720  | 400 | 294 | 536 |
| EMC25 336 CS     |      |     |     |      |     |     |     |
| EMC 336 CS-16/T  |      |     |     |      |     |     |     |
| EMC 348 MXOMS-16 | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC25 348 CS     |      |     |     |      |     |     |     |
| EMC 348 MCOMS-16 |      |     |     |      |     |     |     |
| EMC 360 CS-16    | 1000 | 400 | 132 | 1000 | 400 | 294 | 816 |
| EMC25 360 CS     |      |     |     |      |     |     |     |
| EMC 360 MXOMS-16 |      |     |     |      |     |     |     |
| EMC 372 CS-16    | 1140 | 400 | 132 | 1100 | 400 | 294 | 916 |
| EMC25 372 CS     |      |     |     |      |     |     |     |
| EMC 372 MXOMX-16 |      |     |     |      |     |     |     |

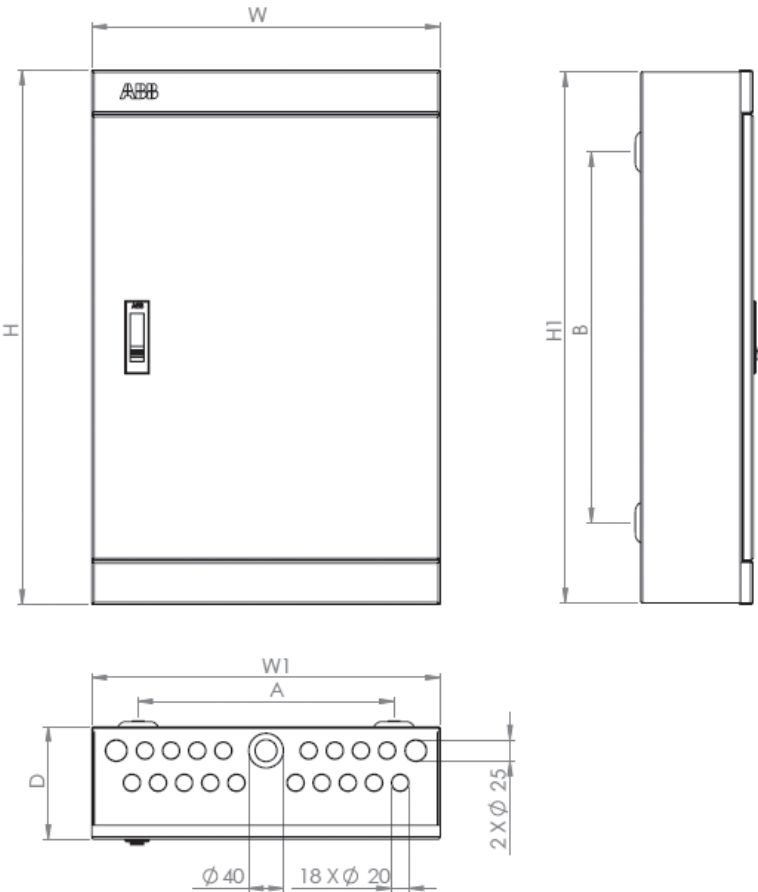
## Way type



| Type Code        | H    | W   | D   | H1   | W1  | A   | B   |
|------------------|------|-----|-----|------|-----|-----|-----|
| EMC 312 CF-16    | 540  | 420 | 132 | 500  | 400 | 294 | 316 |
| EMC25 312 CF     |      |     |     |      |     |     |     |
| EMC 312 MXOMF-16 |      |     |     |      |     |     |     |
| EMC 318 CF-16    | 600  | 420 | 132 | 560  | 400 | 294 | 376 |
| EMC25 318 CF     |      |     |     |      |     |     |     |
| EMC 318 MXOMF-16 |      |     |     |      |     |     |     |
| EMC 324 CF-16    | 650  | 420 | 132 | 610  | 400 | 294 | 426 |
| EMC25 324 CF     |      |     |     |      |     |     |     |
| EMC 324 MXOMF-16 |      |     |     |      |     |     |     |
| EMC 336 CF-16    | 760  | 420 | 132 | 720  | 400 | 294 | 536 |
| EMC25 336 CF     |      |     |     |      |     |     |     |
| EMC 336 MXOMF-16 |      |     |     |      |     |     |     |
| EMC 348 CF-16    | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC25 348 CF     |      |     |     |      |     |     |     |
| EMC 348 MXOMF-16 |      |     |     |      |     |     |     |
| EMC 360 CF-16    | 1040 | 420 | 132 | 1000 | 400 | 294 | 816 |
| EMC360 CF-25     |      |     |     |      |     |     |     |
| EMC 360 MX-16    |      |     |     |      |     |     |     |
| EMC 372 CF-16    | 1180 | 420 | 132 | 1100 | 400 | 294 | 916 |
| EMC25 372 CF     |      |     |     |      |     |     |     |
| EMC 372 MXOMF-16 |      |     |     |      |     |     |     |

Dimension Details

Split type

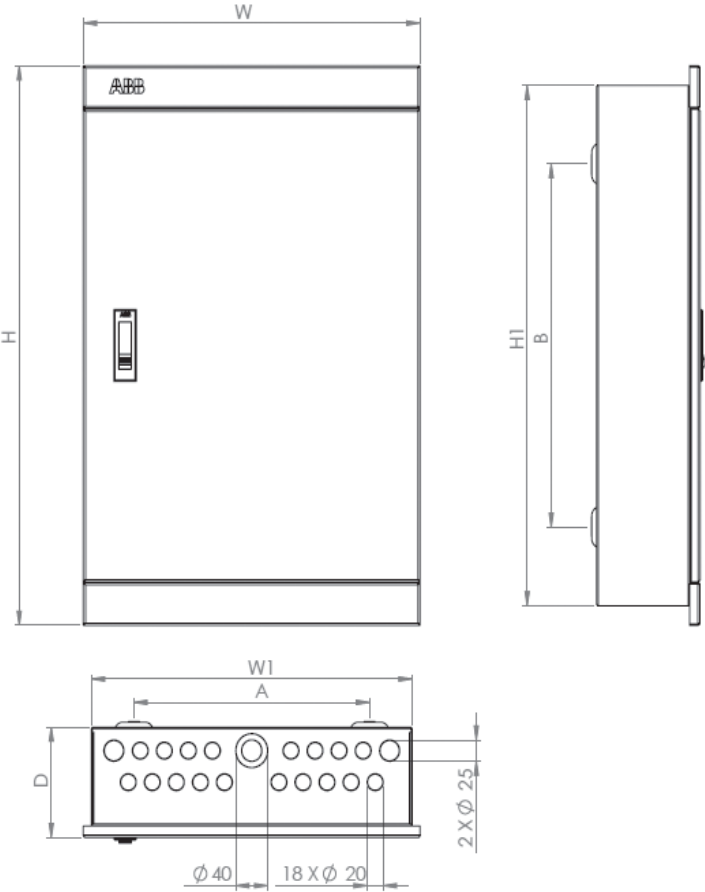


Surface mounting

| Type Code  | H    | W   | D   | H1   | W1  | A   | B   |
|------------|------|-----|-----|------|-----|-----|-----|
| EMC-S202 S | 560  | 400 | 132 | 560  | 400 | 294 | 376 |
| EMC-S402 S | 610  | 400 | 132 | 610  | 400 | 294 | 426 |
| EMC-S204 S | 610  | 400 | 132 | 610  | 400 | 294 | 426 |
| EMC-S404 S | 720  | 400 | 132 | 720  | 400 | 294 | 536 |
| EMC-S406 S | 720  | 400 | 132 | 720  | 400 | 294 | 536 |
| EMC-S604 S | 720  | 400 | 132 | 720  | 400 | 294 | 536 |
| EMC-S408 S | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC-S606 S | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC-S804 S | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC-S608 S | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC-S806 S | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC-S104 S | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC-S410 S | 830  | 400 | 132 | 830  | 400 | 294 | 646 |
| EMC-S808 S | 1000 | 400 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S106 S | 1000 | 400 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S610 S | 1000 | 400 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S124 S | 1000 | 400 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S412 S | 1000 | 400 | 132 | 1000 | 400 | 294 | 816 |

Dimension Details

Split type

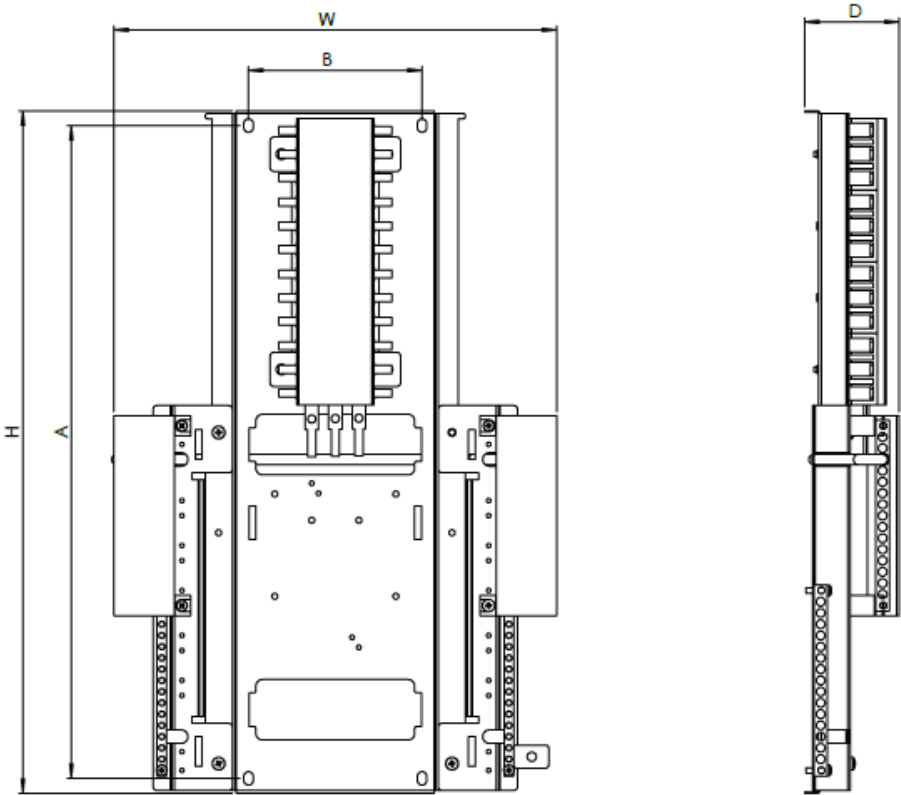


Flush Mounting

| Type Code  | H    | W   | D   | H1   | W1  | A   | B   |
|------------|------|-----|-----|------|-----|-----|-----|
| EMC-S202 F | 600  | 420 | 132 | 560  | 400 | 294 | 376 |
| EMC-S402 F | 650  | 420 | 132 | 610  | 400 | 294 | 426 |
| EMC-S204 F | 650  | 420 | 132 | 610  | 400 | 294 | 426 |
| EMC-S404 F | 760  | 420 | 132 | 720  | 400 | 294 | 536 |
| EMC-S406 F | 760  | 420 | 132 | 720  | 400 | 294 | 536 |
| EMC-S604 F | 760  | 420 | 132 | 720  | 400 | 294 | 536 |
| EMC-S408 F | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC-S606 F | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC-S804 F | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC-S608 F | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC-S806 F | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC-S104 F | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC-S401 F | 870  | 420 | 132 | 830  | 400 | 294 | 646 |
| EMC-S808 F | 1040 | 420 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S106 F | 1040 | 420 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S610 F | 1040 | 420 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S124 F | 1040 | 420 | 132 | 1000 | 400 | 294 | 816 |
| EMC-S412 F | 1040 | 420 | 132 | 1000 | 400 | 294 | 816 |

Dimension Details

TP + N Pan assemblies



Range 160 A, 250 A

| Type Code      | H    | W   | D  | A    | B   |
|----------------|------|-----|----|------|-----|
| EPB 304 PAC-16 | 401  | 330 | 70 | 379  | 129 |
| EPB25-PA304C   |      |     |    |      |     |
| EPB 306 PAC-16 | 454  | 330 | 70 | 432  | 129 |
| EPB25-PA306C   |      |     |    |      |     |
| EPB 308 PAC-16 | 507  | 330 | 70 | 485  | 129 |
| EPB25-PA308C   |      |     |    |      |     |
| EPB 312 PAC-16 | 613  | 330 | 70 | 591  | 129 |
| EPB25-PA312C   |      |     |    |      |     |
| EPB 316 PAC-16 | 719  | 330 | 70 | 697  | 129 |
| EPB25-PA316C   |      |     |    |      |     |
| EPB 320 PAC-16 | 894  | 330 | 70 | 872  | 129 |
| EPB25-PA320C   |      |     |    |      |     |
| EPB 324 PAC-16 | 1033 | 330 | 70 | 1011 | 129 |
| EPB25-PA324C   |      |     |    |      |     |







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