

# Compact Distribution Boxes xComfort BC-A



Catalog



*Powering Business Worldwide*

# 1.2

## Compact Distribution Boxes

Surface-Mounted Compact Distribution Boxes BC-A-../.., Version A

wa\_vt06113, wa\_vt06613, wa\_vt05113



### Description

- 1 to 4 rows
- 13 module units (MU) per row
- Protection class I Version BC-A-../..-A
- Protection class II Version BC-A-../..
- Degree of protection IP40 or IP30

#### Scope of Delivery BC-A-../..-A:

- Enclosure
- Device support
- Neutral and protective earth terminals with terminal support
- Instructions for installation
- Sheet of marking labels

#### Scope of Delivery BC-A-../..:

- Enclosure
- Device support
- Neutral and protective earth terminals with terminal support
- Rear wall
- Instructions for installation
- Sheet of marking labels

Number of Rows

Type  
Designation

Article No.

Units per  
package

### Surface-mounted Compact Distribution Boxes BC-A-./../, Version A

#### Surface-mounted Distribution Boxes, white door, without rear wall

wa\_vt06713



|   |                |        |   |
|---|----------------|--------|---|
| 1 | BC-A-1/13-TW-A | 101562 | 1 |
| 2 | BC-A-2/26-TW-A | 101563 | 1 |
| 3 | BC-A-3/39-TW-A | 101564 | 1 |
| 4 | BC-A-4/52-TW-A | 101565 | 1 |

#### Surface-mounted Distribution Boxes, white door, with rear wall ☐

wa\_vt06713, vt2900



|   |              |        |   |
|---|--------------|--------|---|
| 1 | BC-A-1/13-TW | 101558 | 1 |
| 2 | BC-A-2/26-TW | 101559 | 1 |
| 3 | BC-A-3/39-TW | 101560 | 1 |
| 4 | BC-A-4/52-TW | 101561 | 1 |

#### Hood Distribution Boxes without rear wall

wa\_vt05113



|   |             |        |   |
|---|-------------|--------|---|
| 1 | BC-A-1/13-A | 101554 | 1 |
| 2 | BC-A-2/26-A | 101555 | 1 |
| 3 | BC-A-3/39-A | 101556 | 1 |
| 4 | BC-A-4/52-A | 101557 | 1 |

#### Hood Distribution Boxes with rear wall ☐

wa\_vt05113, vt2900



|   |           |        |   |
|---|-----------|--------|---|
| 1 | BC-A-1/13 | 101550 | 1 |
| 2 | BC-A-2/26 | 101551 | 1 |
| 3 | BC-A-3/39 | 101552 | 1 |
| 4 | BC-A-4/52 | 101553 | 1 |

# 1.4

## Compact Distribution Boxes

Surface-Mounted Compact Distribution Boxes BC-A-../., Version A

Number of Rows

Type  
Designation

Article No.

Units per  
package

### Accessories

#### White door

VT11605



|   |               |        |   |
|---|---------------|--------|---|
| 1 | BCZ-A-TW-1/13 | 101574 | 1 |
| 2 | BCZ-A-TW-2/26 | 101575 | 1 |
| 3 | BCZ-A-TW-3/39 | 101576 | 1 |
| 4 | BCZ-A-TW-4/52 | 101577 | 1 |

#### White door with lock

VT11705



|   |                |        |   |
|---|----------------|--------|---|
| 1 | BCZ-A-TWS-1/13 | 101578 | 1 |
| 2 | BCZ-A-TWS-2/26 | 101579 | 1 |
| 3 | BCZ-A-TWS-3/39 | 101580 | 1 |
| 4 | BCZ-A-TWS-4/52 | 101581 | 1 |

#### Rear wall

VT2900



|   |                |        |      |
|---|----------------|--------|------|
| 1 | BCZ-CS-PF-1/13 | 294890 | 1/10 |
| 2 | BCZ-CS-PF-2/26 | 294891 | 1/10 |
| 3 | BCZ-CS-PF-3/39 | 294892 | 1/10 |
| 4 | BCZ-CS-PF-4/52 | 294893 | 1/10 |

Description

Type  
Designation

Article No.

Units per  
package

#### Terminal Supports with Terminal Blocks

wa\_vt52313



|                                       |               |        |   |
|---------------------------------------|---------------|--------|---|
| Terminal support KL4 with 1x KLV-KL-4 | BCZ-CS-BO-KL4 | 294909 | 1 |
|---------------------------------------|---------------|--------|---|

#### Terminal Support, Empty

wa\_vt52113



|                               |           |        |   |
|-------------------------------|-----------|--------|---|
| Terminal support single stage | BCZ-CS-BO | 294905 | 1 |
|-------------------------------|-----------|--------|---|

wa\_vt07413



|                               |           |        |   |
|-------------------------------|-----------|--------|---|
| Terminal support double stage | BCZ-A-KLT | 101590 | 1 |
|-------------------------------|-----------|--------|---|

#### Terminal Support Cover

##### For terminal support BCZ-CS-BO

wa\_vt79813



|             |             |        |   |
|-------------|-------------|--------|---|
| transparent | BCZ-CS-BO-T | 103139 | 1 |
| green       | BCZ-CS-BO-V | 294907 | 1 |
| blue        | BCZ-CS-BO-B | 294908 | 1 |

##### For terminal support BCZ-CS-BO-KL4

wa\_vt79713



|             |                 |        |   |
|-------------|-----------------|--------|---|
| transparent | BCZ-CS-BO-KL4-T | 103160 | 1 |
| green       | BCZ-CS-BO-KL4-V | 103161 | 1 |
| blue        | BCZ-CS-BO-KL4-B | 294911 | 1 |

Description

Type  
Designation

Article No.

Units per  
package**Terminal Blocks max. 63 A**

VT1800

1x 25 mm<sup>2</sup> + 3x 16 mm<sup>2</sup>

KLV-KL-4

236841

1

1x 25 mm<sup>2</sup> + 6x 16 mm<sup>2</sup>

KLV-KL-7

236842

1

2x 25 mm<sup>2</sup> + 9x 16 mm<sup>2</sup>

KLV-KL-11

236843

1

2x 25 mm<sup>2</sup> + 13x 16 mm<sup>2</sup>

KLV-KL-15

236844

1

2x 25 mm<sup>2</sup> + 23x 16 mm<sup>2</sup>

KLV-KL-25

236845

1

**Plug-In Terminals PE/N**

VT12308

Clamping units 1x (6x 2.5-16 mm<sup>2</sup> + 21x 1.5-4 mm<sup>2</sup>)

BCZ-CS-BO-F1

116846

1

VT12408

Clamping units 2x (6x 2.5-16 mm<sup>2</sup> + 21x 1.5-4 mm<sup>2</sup>)

BCZ-CS-BO-F2

116847

1

**General accessories**

wa\_vt52513, Beschriftungsbg\_1



BCZ-CS-CHP

Door hinge-set

BCZ-CS-CHP

294914

1

Sheet of marking labels

KLV-BSB

279268

1

Inscription strip

LAB-BAR\_CSO

107885

10

Enclosure leaves for the inscription strips

LAB-TAPE\_A4\_BLANK

107952

10

Fastening screw-set for cover

BCZ-A-BFS-H

101591

1

wa\_vt14413, VT19405



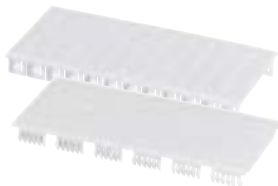
LAB-BAR\_CSO



BCZ-A-BFS-H

**Blanking Strip BS-...-WH****For all Eaton distribution boards**

wa\_vt10414, wa\_vt10714



Blanking strip, white, fine-ribbed, 12 MU

BS-12MF-WH

178975

10/100

Blanking strip, grey, 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, grey, rough-ribbed, 12 MU

BS-12MB-GY

178979

10/100

Blanking strip, white, rough-ribbed, 6 MU

BS-6MB-WH

178978

10/100

# 1.6

## Compact Distribution Boxes

### Surface-Mounted Compact Distribution Boxes BC-A-../.., Version A

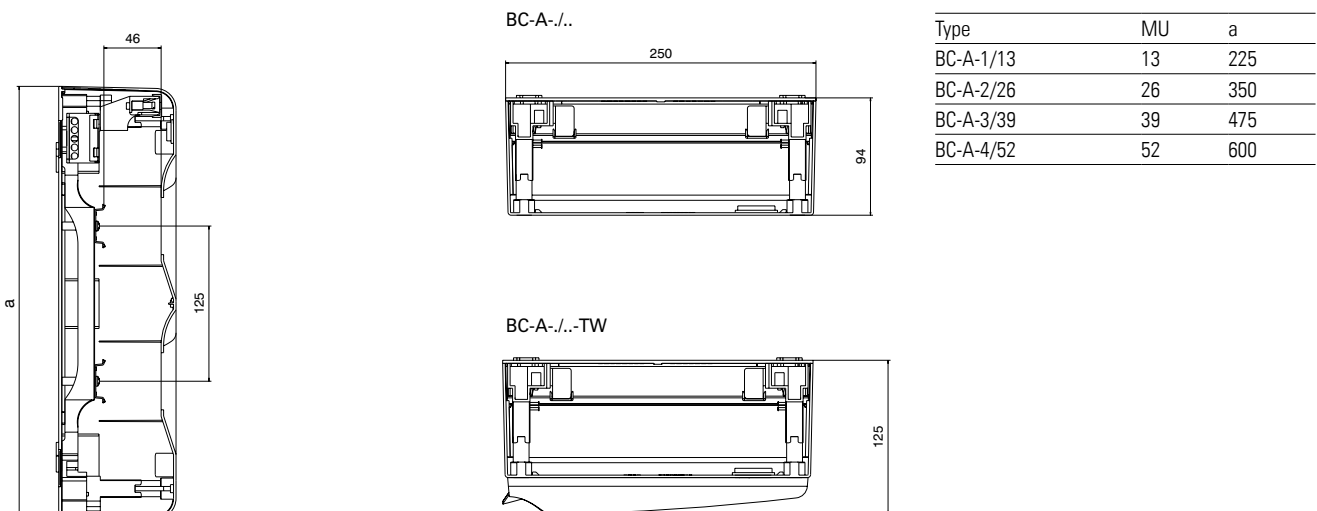
#### Description Surface-mounted Compact Distribution Boxes BC-A-../.., Version A

- **Protection class II:**  
Only in combination with rear wall (BCZ-CS-PF) and blanking strip (BS-...)
- **Enclosure:**  
Plastic enclosure with detachable rear wall, white (RAL 9010)
- **Device support:**  
Device support as base element, with detachable support rails; large space behind the device support rails permits efficient working and saving time; line entrance from above, below and from the side
- **Door:**  
Hinged to the left or to the right, white plastic

#### Technical Data

| BC-A...-A                                                                                                 |                                                   |                |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------|
| Electrical                                                                                                |                                                   |                |
| Design according to                                                                                       | IEC/EN 62208                                      |                |
| Degree of protection                                                                                      | IP40 (IK07) with Door<br>IP30 (IK07) without Door |                |
| Protection class                                                                                          | I without Rear wall<br>II with plastic Rear wall  |                |
| Rated voltage                                                                                             | 400 V AC, 50 Hz                                   |                |
| Suitable for network structures                                                                           | TN, TT and IT                                     |                |
| Maximum power loss for all devices integrated in the distribution box at an ambient temperature of 35 °C: |                                                   |                |
| 1 row                                                                                                     | 27 W                                              |                |
| 2 row                                                                                                     | 37 W                                              |                |
| 3 row                                                                                                     | 47 W                                              |                |
| 4 row                                                                                                     | 57 W                                              |                |
| Mechanical                                                                                                |                                                   |                |
| Material                                                                                                  |                                                   |                |
| Cover plate                                                                                               | PS (white RAL9010)                                |                |
| Device support                                                                                            | PS                                                |                |
| Rear wall                                                                                                 | PS                                                |                |
| Terminal support                                                                                          | PPO                                               |                |
| Door                                                                                                      | PC (white RAL9010)                                |                |
| Distance between DIN rails                                                                                | 125 mm                                            |                |
| N/PE-terminals                                                                                            | N [mm²]                                           | PE [mm²]       |
| 1 row                                                                                                     | 2x 25 + 11x 16                                    | 2x 25 + 11x 16 |
| 2 row                                                                                                     | 2x 25 + 14x 16                                    | 2x 25 + 14x 16 |
| 3 row                                                                                                     | 2x 25 + 23x 16                                    | 2x 25 + 23x 16 |
| 4 row                                                                                                     | 2x 25 + 23x 16                                    | 2x 25 + 23x 16 |

#### Dimensions (mm)



wa\_vt06113, wa\_vt06613, wa\_vt05113



### Description

- 1 to 4 rows
- 13 module units (MU) per row
- Protection class II with Rear wall (BCZ-CS-PF) and Blanking Strip (BC-...)
- Degree of protection IP40 or IP30

#### Scope of Delivery BC-A-./...:

- Enclosure
- Device support
- Neutral and protective earth terminals with terminal support
- Rear wall
- Instructions for installation
- Sheet of marking labels

Number of Rows

Type  
Designation

Article No.

Units per  
package**Surface-mounted Compact Distribution Boxes BC-A-../.., Version G****Surface-mounted Distribution Boxes, white door, with rear wall** 

wa\_vt06713, vt2900



|   |                |        |   |
|---|----------------|--------|---|
| 1 | BC-A-1/13-TW-G | 110157 | 1 |
| 2 | BC-A-2/26-TW-G | 110158 | 1 |
| 3 | BC-A-3/39-TW-G | 110159 | 1 |
| 4 | BC-A-4/52-TW-G | 110160 | 1 |

**Hood Distribution Boxes with rear wall** 

wa\_vt05113, vt2900



|   |             |        |   |
|---|-------------|--------|---|
| 1 | BC-A-1/13-G | 110153 | 1 |
| 2 | BC-A-2/26-G | 110154 | 1 |
| 3 | BC-A-3/39-G | 110155 | 1 |
| 4 | BC-A-4/52-G | 110156 | 1 |



Number of Rows

Type  
Designation

Article No.

Units per  
package**Accessories****White door**

VT11605



|   |               |        |   |
|---|---------------|--------|---|
| 1 | BCZ-A-TW-1/13 | 101574 | 1 |
| 2 | BCZ-A-TW-2/26 | 101575 | 1 |
| 3 | BCZ-A-TW-3/39 | 101576 | 1 |
| 4 | BCZ-A-TW-4/52 | 101577 | 1 |

**White door with lock**

VT11705



|   |                |        |   |
|---|----------------|--------|---|
| 1 | BCZ-A-TWS-1/13 | 101578 | 1 |
| 2 | BCZ-A-TWS-2/26 | 101579 | 1 |
| 3 | BCZ-A-TWS-3/39 | 101580 | 1 |
| 4 | BCZ-A-TWS-4/52 | 101581 | 1 |

**Rear wall**

VT2900



|   |                |        |      |
|---|----------------|--------|------|
| 1 | BCZ-CS-PF-1/13 | 294890 | 1/10 |
| 2 | BCZ-CS-PF-2/26 | 294891 | 1/10 |
| 3 | BCZ-CS-PF-3/39 | 294892 | 1/10 |
| 4 | BCZ-CS-PF-4/52 | 294893 | 1/10 |

Description

Type  
Designation

Article No.

Units per  
package**Terminal Supports with Terminal Blocks**

wa\_vt52313



|                                       |               |        |   |
|---------------------------------------|---------------|--------|---|
| Terminal support KL4 with 1x KLV-KL-4 | BCZ-CS-BO-KL4 | 294909 | 1 |
|---------------------------------------|---------------|--------|---|

**Terminal Support, Empty**

wa\_vt52113



|                               |           |        |   |
|-------------------------------|-----------|--------|---|
| Terminal support single stage | BCZ-CS-BO | 294905 | 1 |
|-------------------------------|-----------|--------|---|

wa\_vt07413



|                               |           |        |   |
|-------------------------------|-----------|--------|---|
| Terminal support double stage | BCZ-A-KLT | 101590 | 1 |
|-------------------------------|-----------|--------|---|

**Terminal Support Cover****For terminal support BCZ-CS-BO**

wa\_vt79813



|             |             |        |   |
|-------------|-------------|--------|---|
| transparent | BCZ-CS-BO-T | 103139 | 1 |
| green       | BCZ-CS-BO-V | 294907 | 1 |
| blue        | BCZ-CS-BO-B | 294908 | 1 |

**For terminal support BCZ-CS-BO-KL4**

wa\_vt79713

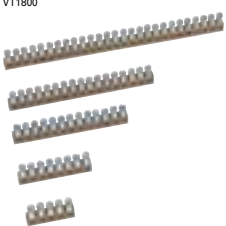
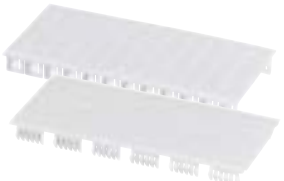


|             |                 |        |   |
|-------------|-----------------|--------|---|
| transparent | BCZ-CS-BO-KL4-T | 103160 | 1 |
| green       | BCZ-CS-BO-KL4-V | 103161 | 1 |
| blue        | BCZ-CS-BO-KL4-B | 294911 | 1 |

# 1.10

## Compact Distribution Boxes

### Surface-Mounted Compact Distribution Boxes BC-A-../.., Version G

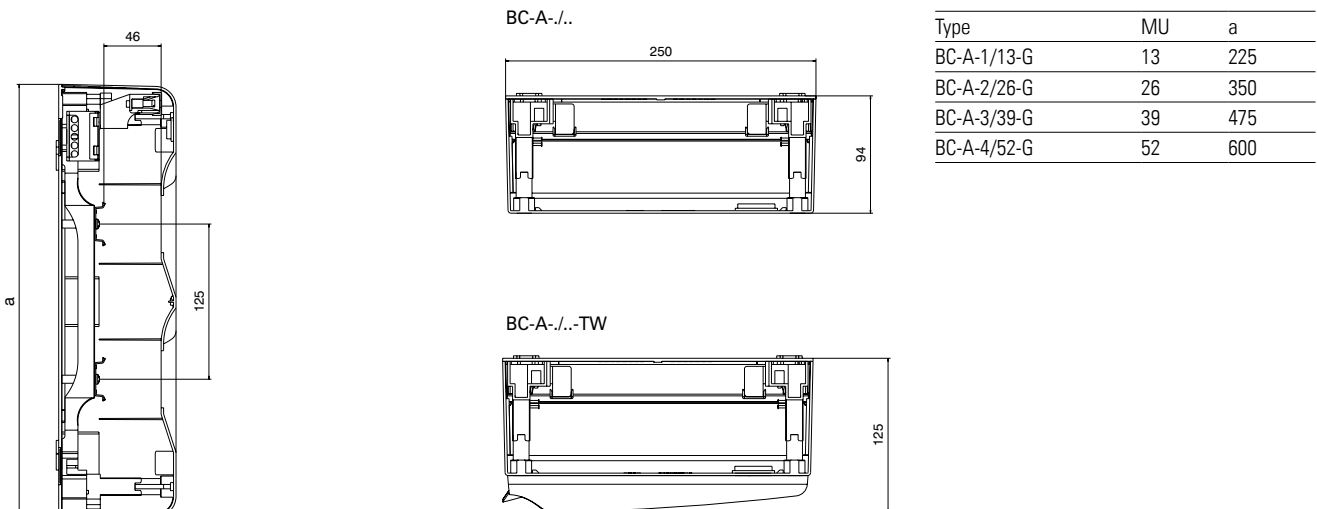
|                                                                                                                                   | Description                                                                | Type Designation  | Article No. | Units per package |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------|-------------|-------------------|
| <b>Terminal Blocks max. 63 A</b>                                                                                                  |                                                                            |                   |             |                   |
| <br>VT1800                                       | 1x 25 mm <sup>2</sup> + 3x 16 mm <sup>2</sup>                              | KLV-KL-4          | 236841      | 1                 |
|                                                                                                                                   | 1x 25 mm <sup>2</sup> + 6x 16 mm <sup>2</sup>                              | KLV-KL-7          | 236842      | 1                 |
|                                                                                                                                   | 2x 25 mm <sup>2</sup> + 9x 16 mm <sup>2</sup>                              | KLV-KL-11         | 236843      | 1                 |
|                                                                                                                                   | 2x 25 mm <sup>2</sup> + 13x 16 mm <sup>2</sup>                             | KLV-KL-15         | 236844      | 1                 |
|                                                                                                                                   | 2x 25 mm <sup>2</sup> + 23x 16 mm <sup>2</sup>                             | KLV-KL-25         | 236845      | 1                 |
| <b>Plug-In Terminals PE/N</b>                                                                                                     |                                                                            |                   |             |                   |
| <br>VT12308                                      | Clamping units 1x (6x 2.5-16 mm <sup>2</sup> + 21x 1.5-4 mm <sup>2</sup> ) | BCZ-CS-BO-F1      | 116846      | 1                 |
| <br>VT12408                                      | Clamping units 2x (6x 2.5-16 mm <sup>2</sup> + 21x 1.5-4 mm <sup>2</sup> ) | BCZ-CS-BO-F2      | 116847      | 1                 |
| <b>General accessories</b>                                                                                                        |                                                                            |                   |             |                   |
| <br>wa_vt52513, Beschriftungsbg_1<br>BCZ-CS-CHP | Door hinge-set                                                             | BCZ-CS-CHP        | 294914      | 1                 |
|                                                                                                                                   | Sheet of marking labels                                                    | KLV-BSB-G         | 279269      | 1                 |
|                                                                                                                                   | Inscription strip                                                          | LAB-BAR_CSO       | 107885      | 10                |
|                                                                                                                                   | Enclosure leaves for the inscription strips                                | LAB-TAPE_A4_BLANK | 107952      | 10                |
|                                                                                                                                   | Fastening screw-set for cover                                              | BCZ-A-BFS-H       | 101591      | 1                 |
| <br>wa_vt14413, VT19405<br>LAB-BAR_CSO         |                                                                            |                   |             |                   |
| <br>BCZ-A-BFS-H                                |                                                                            |                   |             |                   |
| <b>Blanking Strip BS-...-WH</b>                                                                                                   |                                                                            |                   |             |                   |
| <b>For all Eaton distribution bords</b>                                                                                           |                                                                            |                   |             |                   |
| <br>wa_vt10414, wa_vt10714                     | Blanking strip, white, fine-ribbed, 12 MU                                  | BS-12MF-WH        | 178975      | 10/100            |
|                                                                                                                                   | Blanking strip, grey, 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, grey, rough-ribbed, 12 MU                                  | BS-12MB-GY        | 178979      | 10/100            |
|                                                                                                                                   | Blanking strip, white, rough-ribbed, 6 MU                                  | BS-6MB-WH         | 178978      | 10/100            |

**Description Surface-mounted Compact Distribution Boxes BC-A-../.., Version G**

- **Protection class II:**  
Only in combination with rear wall (BCZ-CS-PF) and blanking strip (BC-...)
- **Enclosure:**  
Plastic enclosure with detachable rear wall, white (RAL 9010)
- **Device support:**  
Device support as base element, with detachable support rails; large space behind the device support rails permits efficient working and saving time; line entrance from above, below and from the side
- **Door:**  
Hinged to the left or to the right, white plastic

**Technical Data**

| BC-A...-G                                                                                                 |                                                   |                |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------|
| Electrical                                                                                                |                                                   |                |
| Design according to                                                                                       | IEC/EN 62208                                      |                |
| Degree of protection                                                                                      | IP40 (IK07) with Door<br>IP30 (IK07) without Door |                |
| Protection class                                                                                          | II with plastic Rear wall                         |                |
| Rated voltage                                                                                             | 400 V AC, 50 Hz                                   |                |
| Suitable for network structures                                                                           | TN, TT and IT                                     |                |
| Maximum power loss for all devices integrated in the distribution box at an ambient temperature of 35 °C: |                                                   |                |
| 1 row                                                                                                     | 27 W                                              |                |
| 2 row                                                                                                     | 37 W                                              |                |
| 3 row                                                                                                     | 47 W                                              |                |
| 4 row                                                                                                     | 57 W                                              |                |
| Mechanical                                                                                                |                                                   |                |
| Material                                                                                                  |                                                   |                |
| Cover plate                                                                                               | PS (white RAL9010)                                |                |
| Device support                                                                                            | PS                                                |                |
| Rear wall                                                                                                 | PS                                                |                |
| Terminal support                                                                                          | PPO                                               |                |
| Door                                                                                                      | PC (white RAL9010)                                |                |
| Distance between DIN rails                                                                                | 125 mm                                            |                |
| N/PE-terminals                                                                                            | N [mm²]                                           | PE [mm²]       |
| 1 row                                                                                                     | 2x 25 + 9x 16                                     | 2x 25 + 13x 16 |
| 2 row                                                                                                     | (1x 25 + 3x 16) + (2x 25 + 13x 16)                | 2x 25 + 13x 16 |
| 3 row                                                                                                     | (1x 25 + 3x 16) + (2x 25 + 23x 16)                | 2x 25 + 23x 16 |
| 4 row                                                                                                     | (1x 25 + 3x 16) + (2x 25 + 23x 16)                | 2x 25 + 23x 16 |

**Dimensions (mm)**

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Printed in Austria  
Publication No. CA014025EN  
Article number 306459-MK  
April 2021  
Graphics: SRA, Schrems

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