

## Compact Distribution Boxes

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

- 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 IP30

VT12605, VT16305, VT10605, VT16105



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

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

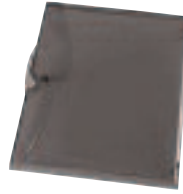
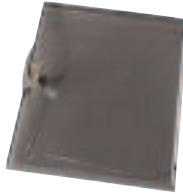
#### Scope of Delivery BC-A-../..:

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

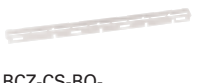
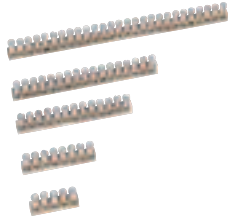
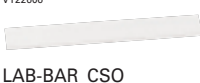
# Compact Distribution Boxes

|                                                                                     | <b>Surface-mounted Compact Distribution Boxes BC-A-../.. A</b>                                                                                                    |                  |             |                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-------------------|
|                                                                                     | Number of Rows                                                                                                                                                    | Type Designation | Article No. | Units per package |
|    | <b>Surface-mounted distribution boxes, white door, without rear wall</b>                                                                                          |                  |             |                   |
|                                                                                     | 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                 |
|   | <b>Surface-mounted distribution boxes, white door, with rear wall </b>         |                  |             |                   |
|                                                                                     | 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                 |
|   | <b>Surface-mounted distribution boxes, transparent door, without rear wall</b>                                                                                    |                  |             |                   |
|                                                                                     | 1                                                                                                                                                                 | BC-A-1/13-TT-A   | 101570      | 1                 |
|                                                                                     | 2                                                                                                                                                                 | BC-A-2/26-TT-A   | 101571      | 1                 |
|                                                                                     | 3                                                                                                                                                                 | BC-A-3/39-TT-A   | 101572      | 1                 |
|                                                                                     | 4                                                                                                                                                                 | BC-A-4/52-TT-A   | 101573      | 1                 |
|   | <b>Surface-mounted distribution boxes, transparent door, with rear wall </b> |                  |             |                   |
|                                                                                     | 1                                                                                                                                                                 | BC-A-1/13-TT     | 101566      | 1                 |
|                                                                                     | 2                                                                                                                                                                 | BC-A-2/26-TT     | 101567      | 1                 |
|                                                                                     | 3                                                                                                                                                                 | BC-A-3/39-TT     | 101568      | 1                 |
|                                                                                     | 4                                                                                                                                                                 | BC-A-4/52-TT     | 101569      | 1                 |
|  | <b>Surface-mounted distribution boxes without doors, without rear wall</b>                                                                                        |                  |             |                   |
|                                                                                     | 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                 |
|  | <b>Surface-mounted distribution boxes without doors, with rear wall </b>     |                  |             |                   |
|                                                                                     | 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                 |

# Compact Distribution Boxes

|                                                                                                | Surface-mounted Compact Distribution Boxes BC-A-../. Accessories A |                  |             |                   |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------|-------------|-------------------|
|                                                                                                | Number of Rows                                                     | Type Designation | Article No. | Units per package |
| VT11605<br>   | White door                                                         |                  |             |                   |
|                                                                                                | 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                 |
| VT11705<br>   | White door with lock                                               |                  |             |                   |
|                                                                                                | 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                 |
| VT11405<br>  | Transparent door                                                   |                  |             |                   |
|                                                                                                | 1                                                                  | BCZ-A-TT-1/13    | 101582      | 1                 |
|                                                                                                | 2                                                                  | BCZ-A-TT-2/26    | 101583      | 1                 |
|                                                                                                | 3                                                                  | BCZ-A-TT-3/39    | 101584      | 1                 |
|                                                                                                | 4                                                                  | BCZ-A-TT-4/52    | 101585      | 1                 |
| VT11505<br> | Transparent door with lock                                         |                  |             |                   |
|                                                                                                | 1                                                                  | BCZ-A-TTS-1/13   | 101586      | 1                 |
|                                                                                                | 2                                                                  | BCZ-A-TTS-2/26   | 101587      | 1                 |
|                                                                                                | 3                                                                  | BCZ-A-TTS-3/39   | 101588      | 1                 |
|                                                                                                | 4                                                                  | BCZ-A-TTS-4/52   | 101589      | 1                 |
| VT2900<br>  | Rear wall                                                          |                  |             |                   |
|                                                                                                | 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            |

# Compact Distribution Boxes

| Surface-mounted Compact Distribution Boxes BC-A-../. Accessories A                                                  |  |                                               |                   |                               |
|---------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|-------------------|-------------------------------|
|                                                                                                                     |  | Explanation                                   | Type Designation  | Article No. Units per package |
| <b>Terminal Supports with Terminal Blocks</b>                                                                       |  |                                               |                   |                               |
| <br>VT12005<br>BCZ-CS-BO-KL4       |  | Terminal support KL4 with 1xKL4-KL4           | BCZ-CS-BO-KL4     | 294909 1                      |
| <b>Terminal Support, Empty</b>                                                                                      |  |                                               |                   |                               |
| <br>VT11905<br>BCZ-CS-BO           |  | Terminal support single stage                 | BCZ-CS-BO         | 294905 1                      |
| <br>VT20105<br>BCZ-A-KLT           |  | Terminal support double stage                 | BCZ-A-KLT         | 101590 1                      |
| <b>Terminal Support Cover</b>                                                                                       |  |                                               |                   |                               |
| <br>VT20005<br>BCZ-CS-BO-.         |  | f. terminal support BCZ-CS-BO transparent     | BCZ-CS-BO-T       | 103139 1                      |
| <br>VT19905<br>BCZ-CS-BO-KL4-.     |  | green                                         | BCZ-CS-BO-V       | 294907 1                      |
|                                                                                                                     |  | blue                                          | BCZ-CS-BO-B       | 294908 1                      |
|                                                                                                                     |  | f. terminal support BCZ-CS-BO-KL4 transparent | BCZ-CS-BO-KL4-T   | 103160 1                      |
|                                                                                                                     |  | green                                         | BCZ-CS-BO-KL4-V   | 103161 1                      |
|                                                                                                                     |  | blue                                          | BCZ-CS-BO-KL4-B   | 294911 1                      |
|                                                                                                                     |  | Length/Number of Terminals                    | Type Designation  | Article No. Units per package |
| <b>Terminal Blocks max. 63 A</b>                                                                                    |  |                                               |                   |                               |
| <br>VT1800                       |  | 1x25mm²+3x16mm²                               | KLV-KL-4          | 236841 1                      |
|                                                                                                                     |  | 1x25mm²+6x16mm²                               | KLV-KL-7          | 236842 1                      |
|                                                                                                                     |  | 2x25mm²+9x16mm²                               | KLV-KL-11         | 236843 1                      |
|                                                                                                                     |  | 2x25mm²+13x16mm²                              | KLV-KL-15         | 236844 1                      |
|                                                                                                                     |  | 2x25mm²+23x16mm²                              | KLV-KL-25         | 236845 1                      |
|                                                                                                                     |  | Designation                                   | Type Designation  | Article No. Units per package |
| <b>General accessories</b>                                                                                          |  |                                               |                   |                               |
| <br>VT12205<br>BCZ-CS-CHP        |  | Door hinge-set                                | BCZ-CS-CHP        | 294914 1                      |
| <br>Beschriftungsbg_1<br>KLV-BSB |  | 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                     |
| <br>VT22606<br>LAB-BAR_CSO       |  | Fastening screw-set for cover                 | BCZ-A-BFS-H       | 101591 1                      |
| <br>VT19405<br>BCZ-A-BFS-H       |  | Cover plate white (6MU)                       | KLV-AP-45-W       | 279267 1                      |
| <br>10194<br>KLV-AP-45-W         |  |                                               |                   |                               |

# Compact Distribution Boxes

## Surface-Mounted Compact Distribution BC-A-../..

**Version A**
**• Protection Class II:**

only in connection with rear wall (BCZ-CS-PF) and cover plate (KLV-AP-45-W)

**• Enclosure:**

plastic enclosure with detachable rear wall, white

**• 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 or transparent design

### Technical Data

**Electrical**

|                                                                                                          |                                                  |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Design according to                                                                                      | IEC/EN 62208                                     |
| Degree of protection                                                                                     | IP40 with Door<br>IP30 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                                             |

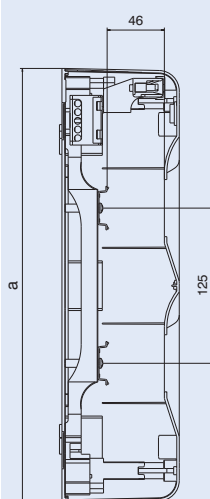
**Mechanical**
**Material:**
**Surface-mounting**

|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Cover plate      | PS (white RAL 9010)                                                                             |
| Device support   | PS                                                                                              |
| Rear wall        | PS                                                                                              |
| Terminal support | PPO                                                                                             |
| Door             | PC (white RAL 9010)<br>PC (transparent)<br>steel sheet phosphatised and powder-coated, RAL 9016 |

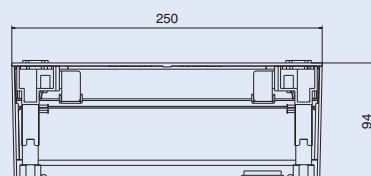
Distance between DIN rails 125 mm

|                 |                                           |                                           |
|-----------------|-------------------------------------------|-------------------------------------------|
| N/PE-terminlas: | N                                         | PE                                        |
| 1 row           | 2x25mm <sup>2</sup> +11x16mm <sup>2</sup> | 2x25mm <sup>2</sup> +11x16mm <sup>2</sup> |
| 2 rows          | 2x25mm <sup>2</sup> +14x16mm <sup>2</sup> | 2x25mm <sup>2</sup> +14x16mm <sup>2</sup> |
| 3 rows          | 2x25mm <sup>2</sup> +23x16mm <sup>2</sup> | 2x25mm <sup>2</sup> +23x16mm <sup>2</sup> |
| 4 rows          | 2x25mm <sup>2</sup> +23x16mm <sup>2</sup> | 2x25mm <sup>2</sup> +23x16mm <sup>2</sup> |

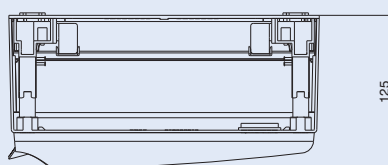
### Dimensions (mm)



BC-A-../..



BC-A-../..-TW(TT)



| Type       | TE | a   |
|------------|----|-----|
| BC-CS-1/13 | 13 | 225 |
| BC-CS-2/26 | 26 | 350 |
| BC-CS-3/39 | 39 | 475 |
| BC-CS-4/52 | 52 | 600 |