

## Upper part of housing - BC 161,6 OT 002000 KMGY - 2201451

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part with vents, width: 161.6 mm, height: 89.7 mm, Depth: 54.85 mm, color: light gray (7035)

### Your advantages

- Item is from the BC product range
- Conforms to DIN EN 43880
- Tool-free mounting
- Available in overall widths from one to nine width units (17.8 mm ... 161.6 mm)
- Inflammability class V0 according to UL 94
- Variety of connection technologies
- Can be mounted on the DIN rail or the wall
- Optional with bus connector for DIN rail mounting



### Key Commercial Data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 500 pc                         |
| GTIN                                 |                                |
| GTIN                                 | 4046356806220                  |
| Weight per Piece (excluding packing) | 52.570 g                       |
| Custom tariff number                 | 85472000                       |
| Country of origin                    | Germany                        |
| Note                                 | Made to Order (non-returnable) |

### Technical data

#### Item properties

|                           |                         |
|---------------------------|-------------------------|
| Brief article description | Upper part of housing   |
| Type                      | BC 161,6 OT 002000 KMGY |
| Order No.                 | 2201451                 |

# Upper part of housing - BC 161,6 OT 002000 KMGY - 2201451

## Technical data

### Item properties

|                              |  |
|------------------------------|--|
| Housing type                 | DIN rail housing for use in distribution boards in accordance with DIN 43880 |
| Housing series               | BC   |
| Type                         | Upper housing part with vents  |
| Max. IP code to attain       | IP20   |
| Mounting type                | Snap in  |
| Connection levels            | 1 (Both sides)   |
| Ventilation openings present | yes  |

### Dimensions

|              |          |
|--------------|----------|
| Width [ w ]  | 161.6 mm |
| Height [ h ] | 89.7 mm  |
| Depth [ d ]  | 54.85 mm |

### Material data

|  |                   |
|--|-------------------|
| Color (RAL)                            | light gray (7035) |
| Flammability rating according to UL 94 | V0                |
| Housing material                       | Polycarbonate     |

### Ambient conditions

|   |  |
|---|--|
| Ambient temperature (storage/transport) | -40 °C ... 70 °C                                   |
| Ambient temperature (assembly)          | -5 °C ... 100 °C                                   |
| Ambient temperature (operation)         | -40 °C ... 105 °C (depending on power dissipation) |
| Relative humidity (storage/transport)   | 95 %   |

### PCB data

|                       |                          |
|-----------------------|--------------------------|
| Number of PCB holders | 18                       |
| PCB thickness         | 1.8 mm                   |
| Mounting position     | parallel to the DIN rail |
| Type of PCB mount     | Latching                 |

### General information

|              |   |
|--------------|---|
| Type of note | Assembly instruction:                                       |
| Note         | Refer to the data sheet for the range in the download area. |

### Packaging information

|                            |                     |
|----------------------------|---------------------|
| Type of packaging          | packed in cardboard |
| Pieces per package         | 10                  |
| Denomination packing units | Pcs.                |
| Outer packaging type       | Carton              |

### Standards and regulations

|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---|

# Upper part of housing - BC 161,6 OT 002000 KMGY - 2201451

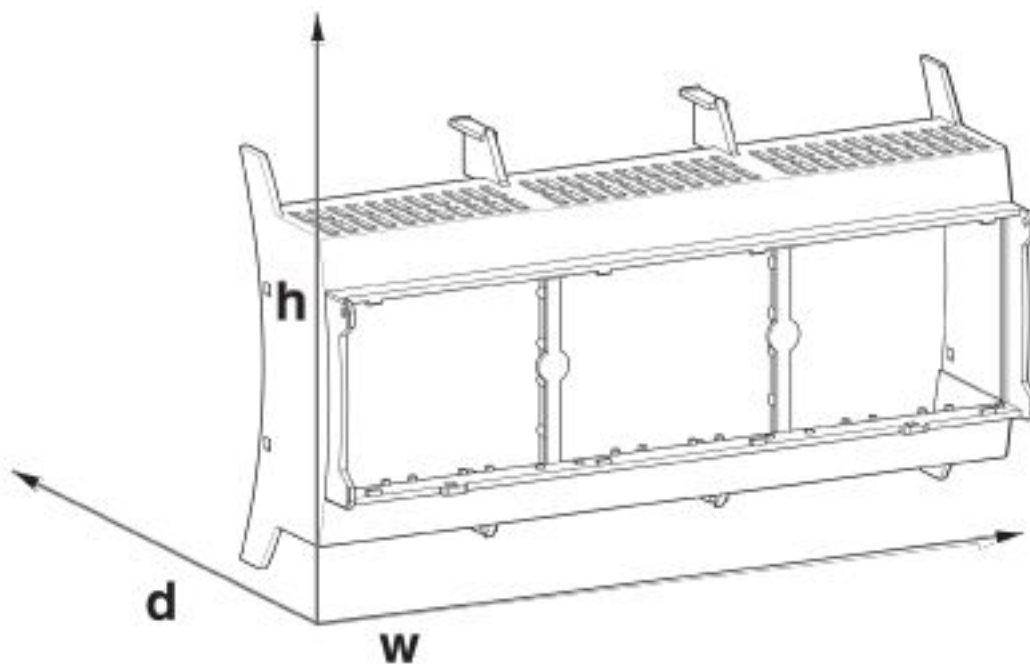
## Technical data

### Environmental Product Compliance

|  |  |
|--|--|
|  | No hazardous substances above threshold values |
|--|--|

## Drawings

Dimensional drawing



## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27180400 |
| eCl@ss 4.1 | 27180400 |
| eCl@ss 5.0 | 27180500 |
| eCl@ss 5.1 | 27180500 |
| eCl@ss 6.0 | 27180800 |
| eCl@ss 7.0 | 27182702 |
| eCl@ss 8.0 | 27182702 |
| eCl@ss 9.0 | 27182702 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001031 |
| ETIM 4.0 | EC001031 |
| ETIM 5.0 | EC001031 |
| ETIM 6.0 | EC001031 |
| ETIM 7.0 | EC001031 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |
| UNSPSC 18.0   | 31261501 |
| UNSPSC 19.0   | 31261501 |
| UNSPSC 20.0   | 31261501 |
| UNSPSC 21.0   | 31261501 |

## Approvals

### Approvals

Approvals

UL Recognized / EAC

Ex Approvals

### Approval details

|               |  |   |               |
|---------------|--|---|---------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 240868 |
|---------------|--|---|---------------|

|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|

## Accessories

Accessories

Fiber optic

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### Accessories

Fiber optic - HS LC-V-D3/ R2XC1-5,08 - 2202311



Light guides, passive, rigid, can be used for the BC housing range (housing must be processed)

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Fiber optic - HS LC-V-D3/ R3XC1-5,08 - 2202312



Light guides, passive, rigid, can be used for the BC housing range (housing must be processed)

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### Necessary add-on products

PCB terminal block - MKDSN 1,5/ 2 HT BK - 1985849



PCB terminal block, nominal current: 13.5 A, rated voltage (III/2): 320 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. This article can be soldered in the reflow furnace together with SMD components.

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PCB terminal block - MKDSN 2,5/ 3 HT BK - 1985933



PCB terminal block, nominal current: 16 A, rated voltage (III/2): 320 V, Nominal cross section: 2.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. This article can be soldered in the reflow furnace together with SMD components.

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PCB terminal block - MKDS 1,5/ 3 - 1715035



PCB terminal block, nominal current: 17.5 A, rated voltage (III/2): 400 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. The article can be aligned to create different nos. of positions!

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## Upper part of housing - BC 161,6 OT 002000 KMGY - 2201451

### Accessories

#### PCB terminal block - MKDSN 2,5/ 3 - 1890976



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, Nominal cross section: 2.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. The article can be aligned to create different nos. of positions!

#### PCB terminal block - MKKDSH 3/ 3 - 1721346



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, Nominal cross section: 2.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 5 mm. The article can be aligned to create different nos. of positions!

#### PCB terminal block - GMKDS 1,5/ 2 - 1717020



PCB terminal block, nominal current: 17.5 A, rated voltage (III/2): 630 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 7.5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. The article can be aligned to create different nos. of positions!

#### PCB terminal block base - GMKDSP 3/ 2 - 1732021



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 630 V, Nominal cross section: 2.5 mm<sup>2</sup>, pitch: 7.5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 5 mm. The article can be aligned to create different nos. of positions!

#### PCB terminal block - SPTA 1/ 8-3,5 - 1752162



PCB terminal block, nominal current: 9 A, rated voltage (III/2): 200 V, Nominal cross section: 1 mm<sup>2</sup>, pitch: 3.5 mm, number of positions: 8, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 65 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm

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### Accessories

#### PCB terminal block - SPTA 1/ 6-5,0 - 1752256

PCB terminal block, nominal current: 9 A, rated voltage (III/2): 320 V, Nominal cross section: 1 mm<sup>2</sup>, pitch: 5 mm, number of positions: 6, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 65 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm



#### PCB terminal block - FK-MPT 0,5/ 8-3,5-H - 1928822

PCB terminal block, nominal current: 4 A, rated voltage (III/2): 250 V, Nominal cross section: 0.5 mm<sup>2</sup>, pitch: 3.5 mm, number of positions: 8, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 4 mm



#### PCB terminal block - FK-MPT 0,5/ 8-ST-3,5 - 1913989

PCB connector, nominal current: 4 A, rated voltage (III/2): 250 V, Nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 8, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



#### PCB terminal block - PTSA 0,5/11-2,5-Z - 1990096

PCB terminal block, nominal current: 2 A, rated voltage (III/2): 250 V, Nominal cross section: 0.5 mm<sup>2</sup>, pitch: 2.5 mm, number of positions: 11, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Zigzag pinning M, Solder pin [P]: 3.6 mm. Offset soldering legs, two-rowed



#### PCB terminal block - PTSA 0,5/11-2,5-F - 1989832

PCB terminal block, nominal current: 2 A, rated voltage (III/2): 250 V, Nominal cross section: 0.5 mm<sup>2</sup>, pitch: 2.5 mm, number of positions: 11, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.6 mm. Soldering legs in front area, one-rowed



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### Accessories

#### PCB terminal block - PTS 1,5/ 6-5,0-H - 1792902

PCB terminal block, nominal current: 16 A, rated voltage (III/2): 400 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 6, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 2.5 mm



#### PCB terminal block - PT 1,5/ 6-5,0-H - 1935200

PCB terminal block, nominal current: 17.5 A, rated voltage (III/2): 400 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 6, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm



#### PCB terminal block - PT 1,5/ 6-PH-5,0 - 1755622

PCB connector, nominal current: 10 A, rated voltage (III/2): 400 V, Nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 6, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



#### Pin strip - PST 1,3/ 6-5,0 - 1933228

Pin strip, nominal current: 12 A, rated voltage (III/2): 320 V, Nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 6, pitch: 5 mm, color: black, contact surface: Tin, mounting: THR soldering, Pin layout: Linear pinning, solder pin [P]: 3.5 mm, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.



#### PCB terminal block - MKKDS 1,5/ 2 - 1725012

PCB terminal block, nominal current: 17.5 A, rated voltage (III/2): 400 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. The article can be aligned to create different nos. of positions!





## Upper part of housing - BC 161,6 OT 002000 KMGY - 2201451

### Accessories

#### PCB terminal block - MKKDSG 3/ 3 - 1721087



PCB terminal block, nominal current: 17.5 A, rated voltage (III/2): 400 V, Nominal cross section: 2.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 5 mm. The article can be aligned to create different nos. of positions!

#### PCB terminal block - ZFKKDS 1,5C-5,0 - 1889301



PCB terminal block, nominal current: 16 A, rated voltage (III/2): 400 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 1, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.7 mm. Single module for the custom grouping of different numbers of positions. An end terminal block is also needed to terminate the block (see accessories). Blocked items with different numbers of positions are also available.

#### Plug - PTDA 1,5/ 8-PH-3,5 - 1725185



PCB connector, nominal current: 8 A, rated voltage (III/2): 240 V, Nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 8, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin, Pin layout: Linear double pinning

#### Plug - PTDA 2,5/ 6-PH-5,0 - 1725549



PCB connector, nominal current: 14 A, rated voltage (III/2): 400 V, Nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 6, pitch: 5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

#### RJ45 socket insert - VS-08-BU-RJ45/LP-1 - 1688586



RJ45 socket insert, 1x, for PCB assembly, CAT5, 8-pos., shielded, with angled solder pins

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### Accessories

Housing cover - BC 107,6 DKL R KMGY - 2896173



Installation component housing, Cover, width: 107.6 mm, height: 45 mm, Depth: 8 mm, color: light gray (7035)

Housing cover - BC 107,6 DKL S TRANS - 2896131



Installation component housing, Transparent hinged cover, Including insertion plate, width: 107.6 mm, height: 45 mm, color: transparent/light gray (7035)

PCB terminal block - SPTD 1,5/ 8-H-3,5 - 1841555



PCB terminal block, nominal current: 10 A, rated voltage (III/2): 200 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 3.5 mm, number of positions: 8, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm

PCB terminal block - SPT-THR 1,5/12-V-3,5 P20 R72 - 1823298



PCB terminal block, nominal current: 13.5 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 3.5 mm, number of positions: 12, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 90 °, color: black, Pin layout: Linear double pinning, Solder pin [P]: 2 mm. Sample values available under SAMPLE SPT...

PCB terminal block - SPT-THR 1,5/ 9-V-5,0 P20 R88 - 1823489



PCB terminal block, nominal current: 13.5 A, rated voltage (III/2): 320 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5 mm, number of positions: 9, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 90 °, color: black, Pin layout: Linear double pinning, Solder pin [P]: 2 mm. Sample values available under SAMPLE SPT...

## Upper part of housing - BC 161,6 OT 002000 KMGY - 2201451

### Accessories

PCB terminal block - SPTA-THR 1,5/ 9-5,08 R72 - 1071209



PCB terminal block, nominal current: 13.5 A, rated voltage (III/2): 320 V, Nominal cross section: 1.5 mm<sup>2</sup>, pitch: 5.08 mm, number of positions: 9, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 45 °, color: black, Solder pin [P]: 2.6 mm

RJ45 socket insert - CUC-SP-J1ST-S/R4LT-SMD - 1149611



RJ45 socket insert - CUC-SP-J1ST-A/R4LT-THR-LED - 1149867



RJ45 socket insert - CUC-MP-J1ST-A/2R4LT-THR - 1149858



RJ45 socket insert

### Additional products

Filler plugs - BC 53,6 BS U22 KMGY - 2896238



DIN rail housing for use in distribution boards in accordance with DIN 43880, Filler plug for unoccupied terminal points, width: 53.6 mm, Depth: 22.35 mm, color: light gray (7035)