

## Upper part of housing - BC 107,6 OT U22 KMGY - 2896089

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part with vents, Installation depth connection technology: 22.35 mm, width: 107.6 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                         | 1 pc                                                                                 |
| Minimum order quantity               | 10 pc                                                                                |
| GTIN                                 |  |
| GTIN                                 | 4046356096508                                                                        |
| Weight per Piece (excluding packing) | 52.000 g                                                                             |
| Custom tariff number                 | 85472000                                                                             |
| Country of origin                    | Germany                                                                              |

### Technical data

#### Item properties

|                           |                       |
|---------------------------|-----------------------|
| Brief article description | Upper part of housing |
|---------------------------|-----------------------|

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### Technical data

#### Item properties

|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| Type                         | BC 107,6 OT U22 KMGY                                                         |
| Order No.                    | 2896089                                                                      |
| 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                                                                          |
| Max. number of positions     | 64 (pitch: 2.5 mm)                                                           |
|                              | 48 (pitch: 3.5 mm)                                                           |
|                              | 40 (pitch: 5 mm)                                                             |
|                              | 24 (pitch: 7.5 mm)                                                           |

#### Dimensions

|              |          |
|--------------|----------|
| Width [ w ]  | 107.6 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 ... 100 °C (depending on power dissipation) |
| Relative humidity (storage/transport)   | 95 %                                               |

#### PCB data

|                       |                          |
|-----------------------|--------------------------|
| Number of PCB holders | 12                       |
| PCB thickness         | 1.8 mm                   |
| Mounting position     | parallel to the DIN rail |
| Type of PCB mount     | Latching                 |

#### Mechanical strength/tumbling barrel

|                |                        |
|----------------|------------------------|
| Specification  | IEC 60068-2-31:2008-05 |
| Height of fall | 50 cm                  |

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### Technical data

#### Mechanical strength/tumbling barrel

|                       |    |
|-----------------------|----|
| Number of drop cycles | 50 |
|-----------------------|----|

#### Vibration test

|                        |                        |
|------------------------|------------------------|
| Specification          | IEC 60068-2-6:2007-12  |
| Frequency              | 10 - 150 - 10 Hz       |
| Sweep speed            | 1 octave/min           |
| Amplitude              | 0.15 mm (10 - 58.1 Hz) |
| Acceleration           | 2g (58.1 - 150 Hz)     |
| Test duration per axis | 2.5 h                  |
| Test directions        | X-, Y- and Z-axis      |

#### Shock

|                                |                                   |
|--------------------------------|-----------------------------------|
| Specification                  | IEC 60068-2-27:2008-02            |
| Pulse shape                    | Half-sine                         |
| Acceleration                   | 15g                               |
| Shock duration                 | 11 ms                             |
| Number of shocks per direction | 3                                 |
| Test directions                | X-, Y- and Z-axis (pos. and neg.) |

#### Test for assessing the risk of fire (glow wire)

|                  |                                           |
|------------------|-------------------------------------------|
| Specification    | DIN EN 60695-2-11 (VDE 0471-2-11):2014-11 |
| Temperature      | 850 °C                                    |
| Time of exposure | 30 s                                      |

#### Degrees of protection provided by housings (IP code)

|                                       |                                                   |
|---------------------------------------|---------------------------------------------------|
| Specification                         | IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 |
| Result, degree of protection, IP code | IP20                                              |

#### 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

Upper part of housing - BC 107,6 OT U22 KMGY - 2896089

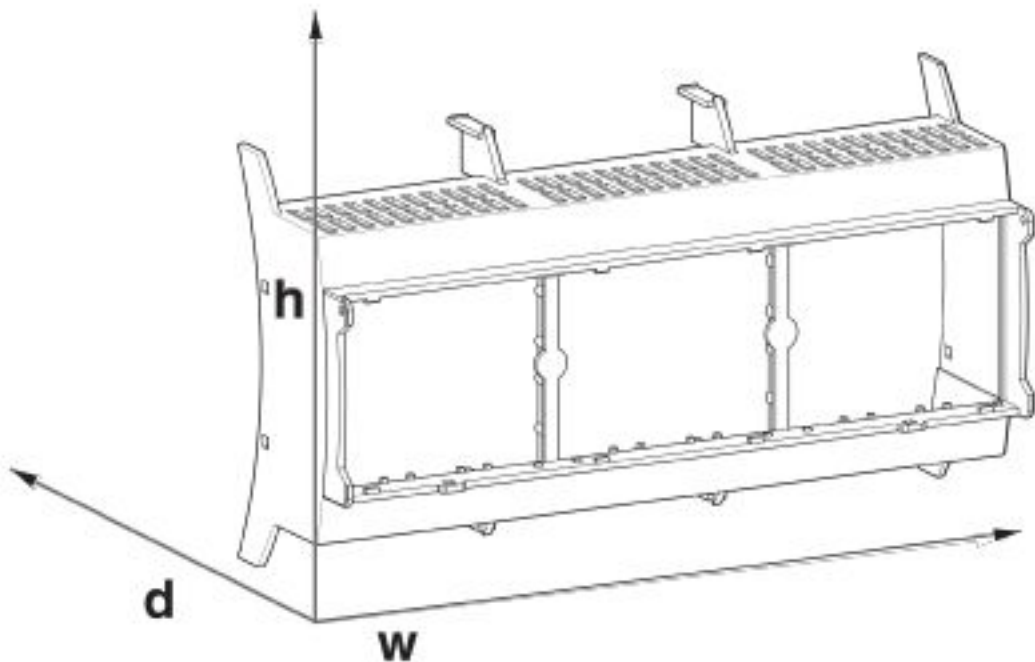
Technical data

Environmental Product Compliance

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

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27180800 |
| eCl@ss 7.0 | 27182702 |
| eCl@ss 8.0 | 27182702 |
| eCl@ss 9.0 | 27182702 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001031 |
| ETIM 3.0 | EC001031 |
| ETIM 4.0 | EC000886 |
| 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 |

### Approvals

#### Approvals

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Approvals

UL Recognized / EAC

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Ex Approvals

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#### Approval details

UL Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 240868

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### Approvals

EAC



B.01742

### Accessories

#### Accessories

##### Fiber optic

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)

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)

### Necessary add-on products

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



PCB terminal block, nominal current: 13.5 A, pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black. This article can be soldered in the reflow furnace together with SMD components.

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



PCB terminal block, nominal current: 16 A, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black. This article can be soldered in the reflow furnace together with SMD components.

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### Accessories

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



PCB terminal block, nominal current: 17.5 A, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green. The article can be aligned to create different nos. of positions!

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



PCB terminal block, nominal current: 24 A, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green. The article can be aligned to create different nos. of positions!

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



PCB terminal block, nominal current: 24 A, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green. The article can be aligned to create different nos. of positions!

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



PCB terminal block, nominal current: 17.5 A, 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. The article can be aligned to create different nos. of positions!

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



PCB terminal block, nominal current: 24 A, 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. The article can be aligned to create different nos. of positions!

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### Accessories

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



PCB terminal block, nominal current: 9 A, pitch: 3.5 mm, number of positions: 8, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 65 °, color: green

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



PCB terminal block, nominal current: 9 A, pitch: 5 mm, number of positions: 6, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 65 °, color: green

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



PCB terminal block, nominal current: 4 A, pitch: 3.5 mm, number of positions: 8, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

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



PCB connector, nominal current: 4 A, number of positions: 8, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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



PCB terminal block, nominal current: 2 A, pitch: 2.5 mm, number of positions: 11, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green. Offset soldering legs, two-rowed

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### Accessories

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



PCB terminal block, nominal current: 2 A, pitch: 2.5 mm, number of positions: 11, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green. Soldering legs in front area, one-rowed

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



PCB terminal block, nominal current: 16 A, pitch: 5 mm, number of positions: 6, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

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



PCB terminal block, nominal current: 17.5 A, pitch: 5 mm, number of positions: 6, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

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



PCB connector, nominal current: 10 A, number of positions: 6, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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



Pin strip, nominal current: 12 A, number of positions: 6, pitch: 5 mm, color: black, contact surface: Tin, mounting: THR soldering, 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.

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### Accessories

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



PCB terminal block, nominal current: 17.5 A, pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green. The article can be aligned to create different nos. of positions!

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



PCB terminal block, nominal current: 17.5 A, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green. The article can be aligned to create different nos. of positions!

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



PCB terminal block, nominal current: 16 A, pitch: 5 mm, number of positions: 1, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green. 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.

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



PCB connector, nominal current: 8 A, number of positions: 8, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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



PCB connector, nominal current: 14 A, number of positions: 6, pitch: 5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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### Accessories

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



Installation component housing, Cover, width: 107.6 mm, color: light gray (7035)

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



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

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### Additional products

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



Installation component housing, Filler plug for unoccupied terminal points, width: 53.6 mm, color: light gray (7035)