

## Upper part of housing - BC 161,6 OT 202220 KMGY VPE80 - 1074661

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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	80 pc
Minimum order quantity	480 pc
GTIN	 4 055626 775166
GTIN	4055626775166

### Technical data

#### Item properties

Brief article description	Upper part of housing
Type	BC 161,6 OT 202220 KMGY VPE80
Order No.	1074661
Housing type	DIN rail housing for use in distribution boards in accordance with DIN 43880
Housing series	BC
Type	Upper housing part with vents

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### Technical data

#### Item properties

Max. IP code to attain	IP20
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

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

#### 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

Type of PCB mount	Latching
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#### 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	80
Denomination packing units	Pcs.
Outer packaging type	Carton

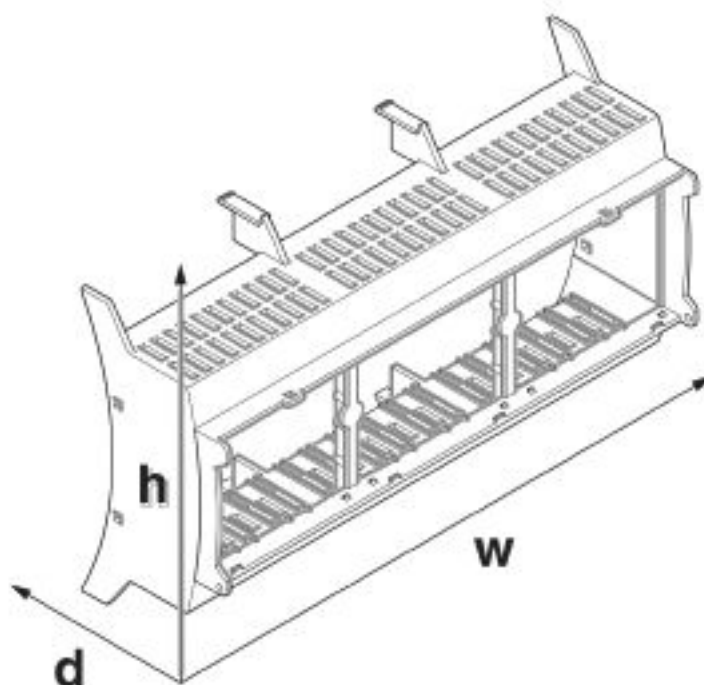
#### Standards and regulations

Flammability rating according to UL 94	V0
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### Drawings

## Upper part of housing - BC 161,6 OT 202220 KMGY VPE80 - 1074661

Dimensional drawing



### Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 11.0	27182702
eCl@ss 5.1	27180506
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

ETIM

ETIM 5.0	EC001031
ETIM 6.0	EC001031
ETIM 7.0	EC001031

### Approvals

Approvals

Approvals

UL Recognized

## Upper part of housing - BC 161,6 OT 202220 KMGY VPE80 - 1074661

### Approvals

Ex Approvals

#### Approval details

UL Recognized



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

FILE E 240868

### Accessories

#### 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>, Number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: MKDSN 1,5/...-HT, pitch: 5 mm, 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, type of packaging: packed in cardboard. 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, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, product range: MKDSN 2,5/...-HT, pitch: 5 mm, 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, type of packaging: packed in cardboard. This article can be soldered in the reflow furnace together with SMD components.

##### 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>, Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, product range: MKDS 1,5, pitch: 5 mm, 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, type of packaging: packed in cardboard. The article can be aligned to create different nos. of positions!

##### 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>, Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, product range: MKDSN 2,5, pitch: 5 mm, 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, type of packaging: packed in cardboard. The article can be aligned to create different nos. of positions!

## Upper part of housing - BC 161,6 OT 202220 KMGY VPE80 - 1074661

### Accessories

#### 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>, Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, product range: MKKDSH 3, pitch: 5 mm, 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, type of packaging: packed in cardboard. 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>, Number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: GMKDS 1,5, pitch: 7.5 mm, 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, type of packaging: packed in cardboard. 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>, Number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: GMKDSP 3, pitch: 7.5 mm, 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, type of packaging: packed in cardboard. 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>, Number of potentials: 8, Number of rows: 1, Number of positions per row: 8, product range: SPTA 1/, pitch: 3.5 mm, 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, type of packaging: packed in cardboard

#### 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>, Number of potentials: 6, Number of rows: 1, Number of positions per row: 6, product range: SPTA 1/, pitch: 5 mm, 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, type of packaging: packed in cardboard

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### Accessories

#### 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>, Number of potentials: 8, Number of rows: 1, Number of positions per row: 8, product range: FK-MPT 0,5/..-H, pitch: 3.5 mm, 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, type of packaging: packed in cardboard

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



PCB connector, nominal cross section: 0.5 mm<sup>2</sup>, color: green, nominal current: 4 A, rated voltage (III/2): 250 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 8, Number of rows: 1, Number of positions per row: 8, number of connections: 16, product range: FK-MPT 0,5/..-ST, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, Stecksystem: COMBICON COMPACT PST 1, Locking: without, type of packaging: packed in cardboard

#### 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>, Number of potentials: 11, Number of rows: 1, Number of positions per row: 11, product range: PTSA 0,5, pitch: 2.5 mm, 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, type of packaging: packed in cardboard. 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>, Number of potentials: 11, Number of rows: 1, Number of positions per row: 11, product range: PTSA 0,5, pitch: 2.5 mm, 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, type of packaging: packed in cardboard. Soldering legs in front area, one-rowed

#### 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>, Number of potentials: 6, Number of rows: 1, Number of positions per row: 6, product range: PTS 1,5/..-H, pitch: 5 mm, 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, type of packaging: packed in cardboard

## Upper part of housing - BC 161,6 OT 202220 KMGY VPE80 - 1074661

### Accessories

#### 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>, Number of potentials: 6, Number of rows: 1, Number of positions per row: 6, product range: PT 1,5/...-H, pitch: 5 mm, 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, type of packaging: packed in cardboard

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



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: green, nominal current: 10 A, rated voltage (III/2): 400 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 6, Number of rows: 1, Number of positions per row: 6, number of connections: 6, product range: PT 1,5/...-PH, pitch: 5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, Stecksystem: COMBICON COMPACT PST 1,3, Locking: without, type of packaging: packed in cardboard

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



Pin strip, nominal cross section: 1.5 mm<sup>2</sup>, color: black, nominal current: 12 A (depends on the plug used), rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, Number of potentials: 6, Number of rows: 1, Number of positions per row: 6, number of connections: 6, product range: PST 1,3/...-V, pitch: 5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Stecksystem: COMBICON COMPACT PST 1,3, Locking: without, type of packaging: packed in cardboard, 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>, Number of potentials: 4, Number of rows: 2, Number of positions per row: 2, product range: MKKDS 1,5, pitch: 5 mm, 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, type of packaging: packed in cardboard. The article can be aligned to create different nos. of positions!

#### 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>, Number of potentials: 6, Number of rows: 2, Number of positions per row: 3, product range: MKKDSG 3, pitch: 5 mm, 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, type of packaging: packed in cardboard. The article can be aligned to create different nos. of positions!

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### Accessories

#### 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>, Number of potentials: 2, Number of rows: 2, Number of positions per row: 1, product range: ZFKKDS(A) 1,5C, pitch: 5 mm, 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, type of packaging: packed in cardboard. 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 cross section: 1.5 mm<sup>2</sup>, color: green, nominal current: 8 A, rated voltage (III/2): 240 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 8, Number of rows: 1, Number of positions per row: 8, number of connections: 16, product range: PTDA 1,5/...-PH, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 45 °, pin layout: Linear double pinning, Stecksystem: COMBICON COMPACT PST 1, Locking: without, type of packaging: packed in cardboard

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



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 14 A, rated voltage (III/2): 400 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 6, Number of rows: 1, Number of positions per row: 6, number of connections: 12, product range: PTDA 2,5/...-PH, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 45 °, Stecksystem: COMBICON COMPACT PST 1,3, Locking: without, type of packaging: packed in cardboard

#### RJ45 PCB connectors - VS-08-BU-RJ45/LP-1 - 1688586



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

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



DIN rail housing for use in distribution boards in accordance with DIN 43880, Latching cover (non-detachable), width: 107.6 mm, height: 45 mm, depth: 8 mm, color: light gray (7035)

## Upper part of housing - BC 161,6 OT 202220 KMGY VPE80 - 1074661

### Accessories

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



DIN rail housing for use in distribution boards in accordance with DIN 43880, transparent hinged cover, can be sealed, including insertion plate, width: 107.6 mm, height: 45 mm, depth: 8 mm, color: transparent/light gray (7035)

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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>, Number of potentials: 16, Number of rows: 2, Number of positions per row: 8, product range: SPTD 1,5, pitch: 3.5 mm, 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, type of packaging: packed in cardboard

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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>, Number of potentials: 12, Number of rows: 1, Number of positions per row: 12, product range: SPT 1,5/..-V-THR, pitch: 3.5 mm, 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, type of packaging: 72 mm wide tape

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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>, Number of potentials: 9, Number of rows: 1, Number of positions per row: 9, product range: SPT 1,5/..-V-THR, pitch: 5 mm, 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, type of packaging: 88 mm wide tape

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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>, Number of rows: 1, Number of positions per row: 9, product range: SPTA 1,5/..-THR, pitch: 5.08 mm, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 45 °, color: black, Solder pin [P]: 2.6 mm, type of packaging: 72 mm wide tape

## Upper part of housing - BC 161,6 OT 202220 KMGY VPE80 - 1074661

### Accessories

RJ45 PCB connectors - CUC-SP-J1ST-S/R4LT-SMD - 1149611



RJ45 PCB connectors, degree of protection: IP20, 10 Gbps, connection method: SMD

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RJ45 PCB connectors - CUC-SP-J1ST-A/R4LT-LED - 1149867



RJ45 PCB connectors, degree of protection: IP20, 10 Gbps, connection method: Wave soldering contacts

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RJ45 PCB connectors - CUC-MP-J1ST-A/2R4LT - 1149858



RJ45 PCB connectors, degree of protection: IP20, 10 Gbps, connection method: Wave soldering contacts

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### Additional products

Filler plugs - BC 53,6 BS U11 KMGY - 2896225



DIN rail housing for use in distribution boards in accordance with DIN 43880, Filler plug for unoccupied terminal points, width: 53.6 mm, depth: 11.05 mm, color: light gray (7035)

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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)

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