

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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: 35.6 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	4046356095464
Weight per Piece (excluding packing)	19.200 g
Custom tariff number	85472000
Country of origin	Germany

Technical data

Item properties

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

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

Technical data

Item properties

Type	BC 35,6 OT U22 KMGY
Order No.	2896047
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	22 (pitch: 2.5 mm)
	16 (pitch: 3.5 mm)
	12 (pitch: 5 mm)
	8 (pitch: 7.5 mm)

Dimensions

Width [w]	35.6 mm
Height [h]	89.7 mm
Depth [d]	49.78 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	4
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

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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 35,6 OT U22 KMGY - 2896047

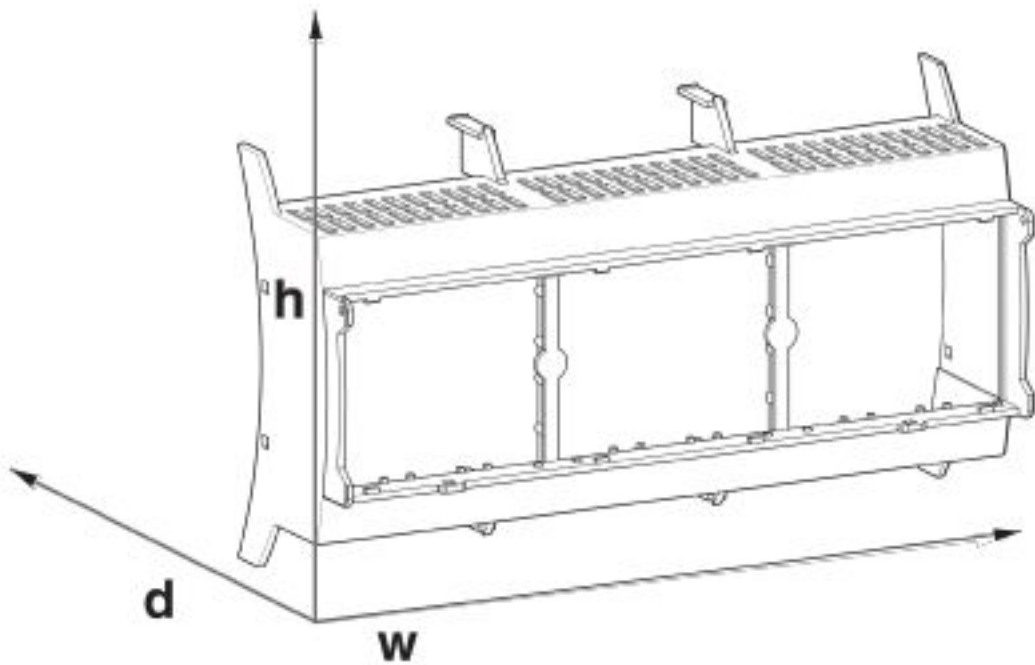
Technical data

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

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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

Approvals

UL Recognized / EAC

Ex Approvals

Approval details

UL Recognized



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

FILE E 240868

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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.

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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!

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!

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!

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!

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!

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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

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

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

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

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

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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

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

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

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

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.

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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!

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!

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.

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

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

Upper part of housing - BC 35,6 OT U22 KMGY - 2896047

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

Housing cover - BC 35,6 DKL S TRANS - 2896115



Installation component housing, Transparent hinged cover, Including insertion plate, width: 35.6 mm, color: transparent/light gray (7035)

Housing cover - BC 35,6 DKL R KMGY - 2896157



Installation component housing, Cover, width: 35.6 mm, color: light gray (7035)

Additional products

Filler plugs - BC 35,6 BS U22 KMGY - 2896212



Installation component housing, Filler plug for unoccupied terminal points, width: 35.6 mm, color: light gray (7035)