

## Housing series BC

### **Modular building installation housings BC general**

#### **Description**

Modular electronics housings from the BC series are ideal for future-oriented applications in building automation. The DIN rail housings for the control cabinet impress with their contemporary design, optional touch displays and membrane keypads, versatile PCB connection technology, and 8- or 16-pos. DIN rail connectors. The electronics housings are suitable for use in distribution boards in accordance with DIN 43880 or for wall mounting.

#### **Your advantages**

- Maximum flexibility with free choice of PCB connection technology and various overall widths ranging from 17.8 mm to 161.6 mm
- Standard-compliant housing and installation dimensions for use in distribution boards in accordance with DIN 43880
- Module replacement without breaking up the assembly, thanks to the 8- or 16-pos. HBUS connector for serial and parallel module communication
- Freedom in device development with PCB installation in three spatial directions
- Optimum adaptation to device requirements with different cover versions, integrated touch displays, and optional, freely customizable membrane keypads

#### **Complete flexibility when selecting the connection**

A new definition of flexibility with the innovative modular upper part: decide where it is that you need a large amount of installation space, and design the upper housing part to suit your specific application. The housing can be adapted to your particular design specifications. The customized integration of different connection technologies works smoothly. The standard-compliant housing geometry in accordance with DIN 43880 is ideal for device installation in the distribution board.

#### **Free choice when selecting the connection**

The determining factor for the versatility of the BC series is the free choice of PCB connection technology. Installation component housings offer various types of clamping space:

- BC...U11 with small installation space for PCB connections: ideal for the connection technology of the COMBICON compact family
- BC...U22 with large installation space for PCB connections: for conventional connection technologies or data connectors

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#### **Various cover versions**

Versatility, the main idea behind the BC series, is also carried over to the cover design. Regardless of which requirements you place on your device, the cover is available in a transparent or gray version, and can be sealed. The transparent cover can be opened by hand and has a plastic board behind it, making it ideal for the integration of displays or control elements.

#### **Device connection via DIN rail connector**

Enable the quick and easy connection of your modules. The bus connector is the key to clever device design:

- Serial or parallel data and power transmission is possible (4x power, 2x serial, 10x parallel)
- Easy module installation, module replacement without breaking up the assembly, and reduced wiring effort
- 16 gold-plated contacts for high conductivity

#### **RPI-BC development kit for Raspberry Pi computers**

RPI-BC DIN rail housings are specifically designed to accommodate Raspberry Pi computers. They can also be combined with the HBUS DIN rail connectors and the SC series development kits. Additional printed circuit boards can also be accommodated in the housing next to the Raspberry Pi board. This enables additional components and circuits to be integrated.

- Overall width: 107.6 mm
- Suitable for Raspberry Pi A+, B+, B2
- Wall mounting and DIN rail mounting are possible

## DISTR-KIT BC

### Modular building installation housings

#### BC as KIT

#### Description

BC-housings are suitable for use in distribution boards in accordance with DIN 43880 or for direct wall mounting

The building installation housings are available with two different installation space for the circuit board connectors

- BC...U11 with 11mm space for the circuit board connectors
- BC...U22 with 22mm space for the circuit board connectors

As a KIT, with a transparent hinged cover, the building installation housing are available in 6 different widths from 17.8 mm (1TE) to 161.6 mm (9TE) with appropriate connection technology.

#### Features

- Housing for mounting on a DIN rail
- for use in distribution boards in accordance with DIN 43880

#### Specification

- Material PA
- Flammability rating according to UL 94 V0
- Temperature range (operation) -40°C ... 105°C

#### Scope of delivery

BC...-KIT-...-7035 includes:

- 1 x Housing bottom part, RAL 9005
- 1 x Housing upper part, RAL 7035
- 1 x transparent cover and insert panel
- 2 ... 6 x PCB terminals (depending on KIT)
- all parts in one package
- Pack quantity 1 pc. in cardbox

DISTR-KIT BC

Images



Picture:  
BC  
00013966\_STANDARD\_PICTURE\_15\_SRGB

# DISTR-KIT BC

## Images

Order-No.	DISTR-KIT	Order-No. – Image-No.	
1311001	BC 17,8 - KIT - U22-7035 + 4MKDSO3	1311001 - 00037167	1311001 - 00037175
1311003	BC 35,6 - KIT - U11-7035 + 2SPTA8	1311003 - 00037165	1311003 - 00037173
1311004	BC 35,6 - KIT - U22-7035 + 2PTDA6	1311004 - 00037166	1311004 - 00037174
1311005	BC 53,6 - KIT - U11-7035 + 2SPTA12	1311005 - 00037162	1311005 - 00037170
1311006	BC 53,6 - KIT - U22-7035 + 2PTDA9	1311006 - 00037161	1311006 - 00037169
1311007	BC 71,6 - KIT - U11-7035 + 4SPTA8	1311007 - 00037160	1311007 - 00037168
1311008	BC 71,6 - KIT - U22-7035 + 4PTDA6	1311008 - 00037155	1311008 - 00037158
1311009	BC 107,6 - KIT - U11-7035 + 4SPTA12	1311009 - 00037154	1311009 - 00037157
1311010	BC 107,6 - KIT - U22-7035 + 4PTDA9	1311010 - 00037153	1311010 - 00037156
1311011	BC 161,6 - KIT - U11-7035 + 6SPTA12	1311011 - 00037163	1311011 - 00037171
1311012	BC 161,6 - KIT - U22-7035 + 6PTDA8	1311012 - 00037164	1311012 - 00037172
1311013	BC 161,6-KIT-U11-7035+6SPTA12	1311013 - 78391	
1311017	BC 161,6-KIT-U22-7035+6PTDA9	1311017 - 00012723	



## DISTR-KIT BC

Type, Order-No., Dimension

DISTR-KIT									
Type	Order-No.	Dimensions of the housing assembled and mounted on DIN rail				Circuit board	Connection technology		
		Horizontal Pitch	Width	Height	Depth		Area	Pieces	Number of poles
<i>mm</i>	<i>mm</i>		<i>mm</i>	<i>mm</i>	<i>mm</i> <sup>2</sup>				
BC 17,8-KIT-U22-7035+4MKDSO3	1311001	1 HP	17,8	89,7	60,7	1.740	4	3	12
BC 35,6-KIT-U11-7035+2SPTA8	1311003	2 HP	35,6	89,7	60,7	2.230	2	8	16
BC 35,6-KIT-U22-7035+2PTDA6	1311004	2 HP	35,6	89,7	60,7	2.230	2	6	12
BC 53,6-KIT-U11-7035+2SPTA12	1311005	3 HP	53,6	89,7	60,7	3.990	2	12	24
BC 53,6-KIT-U22-7035+2PTDA9	1311006	3 HP	53,6	89,7	60,7	3.990	2	9	18
BC 71,6-KIT-U11-7035+4SPTA8	1311007	4 HP	71,6	89,7	60,7	5.460	4	8	32
BC 71,6-KIT-U22-7035+4PTDA6	1311008	4 HP	71,6	89,7	60,7	5.460	4	6	24
BC 107,6-KIT-U11-7035+4SPTA12	1311009	6 HP	107,6	89,7	60,7	8.740	4	12	48
BC 107,6-KIT-U22-7035+4PTDA9	1311010	6 THP	107,6	89,7	60,7	8.740	4	9	36
BC 161,6-KIT-U11-7035+6SPTA12	1311011	9 HP	161,6	89,7	60,7	12.840	6	12	72
BC 161,6-KIT-U22-7035+6PTDA9	1311012	9 HP	161,6	89,7	60,7	12.840	6	9	54
BC 107,6-KIT-RPI-7035	1311013	6 HP	107,6	89,7	60,7	-	-	-	-
BC 107,6-KIT-RPI-7035+PCB	1311017	6 HP	107,6	89,7	60,7	-	-	-	-

## DISTR-KIT BC

### Description

Order-No.	DISTR-KIT	Description
1311001	BC 17,8-KIT-U22-7035+4MKDSO3	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 17,8 mm, height 89,7 mm, depth 60,7 mm, incl. 4 pc. terminal block, 3-pole, screw connection, for 2,5 mm <sup>2</sup> , current 24 A, 400 V, PCB area 1740 mm <sup>2</sup>
1311003	BC 35,6-KIT-U11-7035+2SPTA8	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 35,6mm, height 89,7 mm, depth 60,7 mm, incl. 2 pc. terminal block, 8-pole, Push-in, for 1,0 mm <sup>2</sup> , current 9 A, 200 V, PCB area 2230 mm <sup>2</sup>
1311004	BC 35,6-KIT-U22-7035+2PTDA6	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 35,6 mm, height 89,7 mm, depth 60,7 mm, incl. 2 pc. terminal block, 6-pole, Push-in, for 2,5 mm <sup>2</sup> , current 24 A, 400 V, PCB area 2230 mm <sup>2</sup>
1311005	BC 53,6-KIT-U11-7035+2SPTA12	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 53,6 mm, height 89,7 mm, depth 60,7 mm, incl. 2 pc. terminal block, 12-pole, Push-in, for 1,0 mm <sup>2</sup> , current 9 A, 200 V, PCB area 3990 mm <sup>2</sup>
1311006	BC 53,6-KIT-U22-7035+2PTDA9	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 53,6 mm, height 89,7 mm, depth 60,7 mm, incl. 2 pc. terminal block, 9-pole, Push-in, for 2,5 mm <sup>2</sup> , current 24 A, 400 V, PCB area 3990 mm <sup>2</sup>
1311007	BC 71,6-KIT-U11-7035+4SPTA8	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 71,6 mm, height 89,7 mm, depth 60,7 mm, incl. 4 pc. terminal block, 8-pole, Push-in, for 1,0 mm <sup>2</sup> , current 9 A, 200 V, PCB area 5460 mm <sup>2</sup>
1311008	BC 71,6-KIT-U22-7035+4PTDA6	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 71,6 mm, height 89,7 mm, depth 60,7 mm, incl. 2 pc. terminal block, 6-pole, Push-in, for 2,5 mm <sup>2</sup> , current 24 A, 400 V, PCB area 5460 mm <sup>2</sup>
1311009	BC 107,6-KIT-U11-7035+4SPTA12	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 107,6 mm, height 89,7 mm, depth 60,7 mm, incl. 4 pc. terminal block, 12-pole, Push-in, for 1,0 mm <sup>2</sup> , current 9 A, 200 V, PCB area 8740 mm <sup>2</sup>
1311010	BC 107,6-KIT-U22-7035+4PTDA9	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 107,6 mm, height 89,7 mm, depth 60,7 mm, incl. 4 pc. terminal block, 9-pole, Push-in, for 2,5 mm <sup>2</sup> , current 24 A, 400 V, PCB area 8740 mm <sup>2</sup>
1311011	BC 161,6-KIT-U11-7035+6SPTA12	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 161,6 mm, height 89,7 mm, depth 60,7 mm, incl. 6 pc. terminal block, 12-pole, Push-in, for 1,0 mm <sup>2</sup> , current 9 A, 200 V, PCB area 12840 mm <sup>2</sup>
1311012	BC 161,6-KIT-U22-7035+6PTDA9	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, width 161,6 mm, height 89,7 mm, depth 60,7 mm, incl. 6 pc. terminal block, 9-pole, Push-in, for 2,5 mm <sup>2</sup> , current 24 A, 400 V, PCB area 12840 mm <sup>2</sup>
1311013	BC 107,6-KIT-RPI-7035	DIN rail housing for mounting on DIN rail, gray 7035, transparent hinged cover, for Raspberry Pi-Computer (suitable for Raspberry Pi A+, B+, B2, B3, B4), width 107,6mm, height 89,7 mm, depth 60,7 mm
1311017	BC 107,6-KIT-RPI-7035+PCB	DIN rail housing for mounting on DIN rail, gray 7035, for Raspberry Pi-Computer (suitable for Raspberry Pi A+, B+, B2, B3, B4), incl. Hole grid PCB and holder, for connection to HBUS and GPIO strip, width 108 mm, height 89,7 mm, depth 60,7 mm