

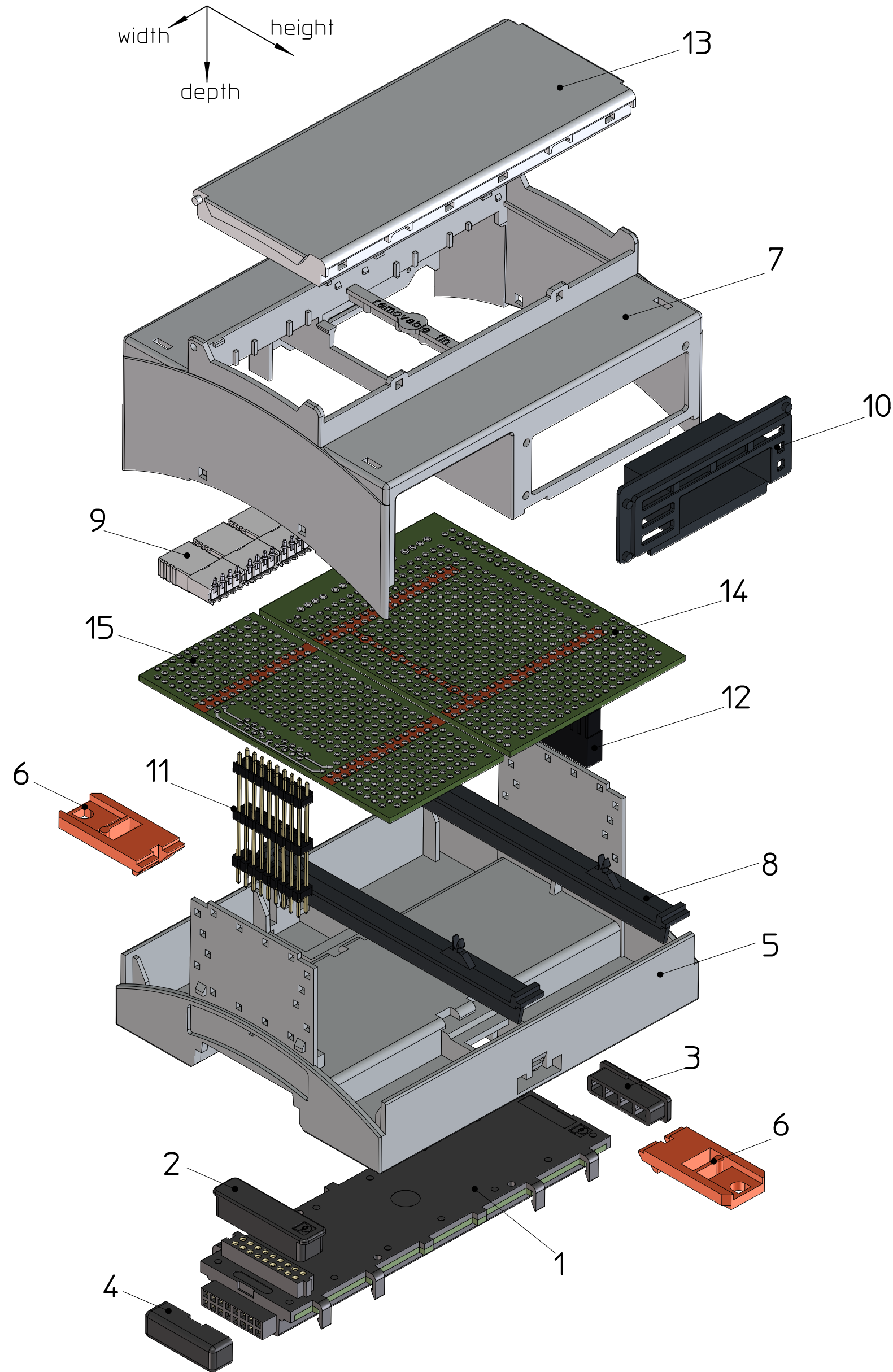
A

B

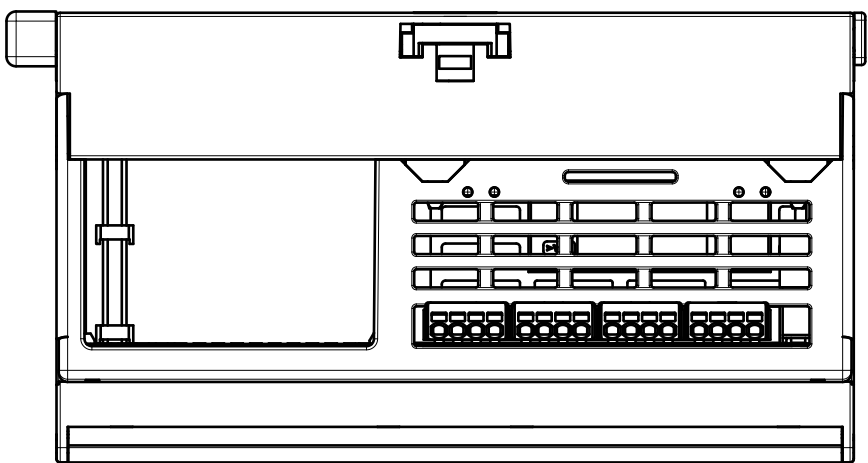
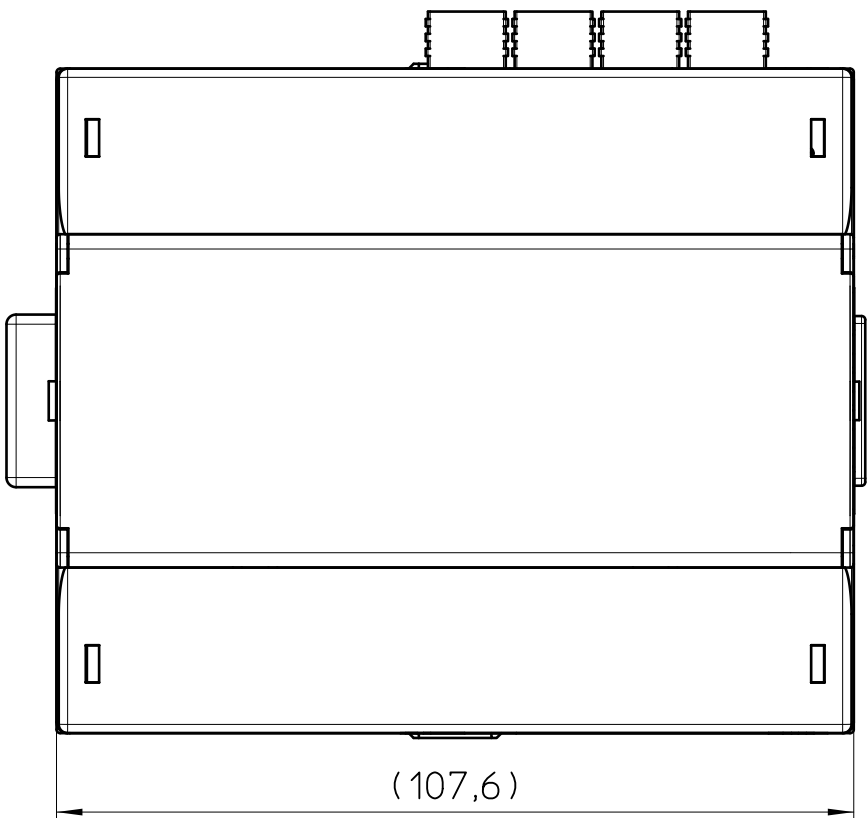
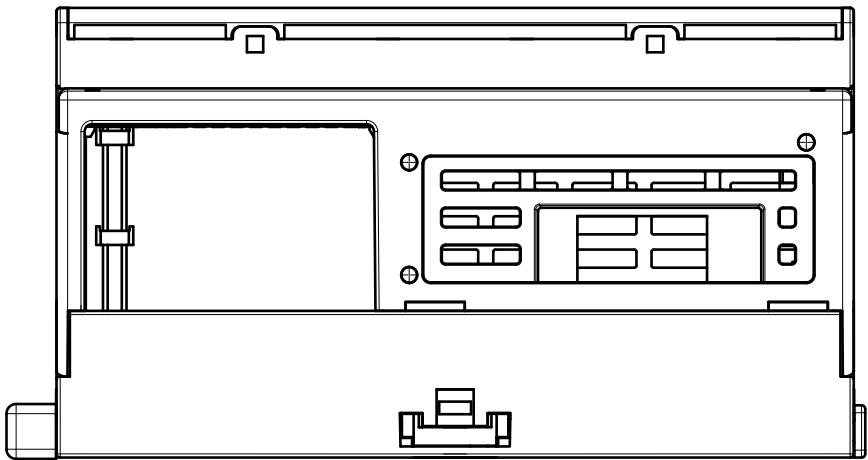
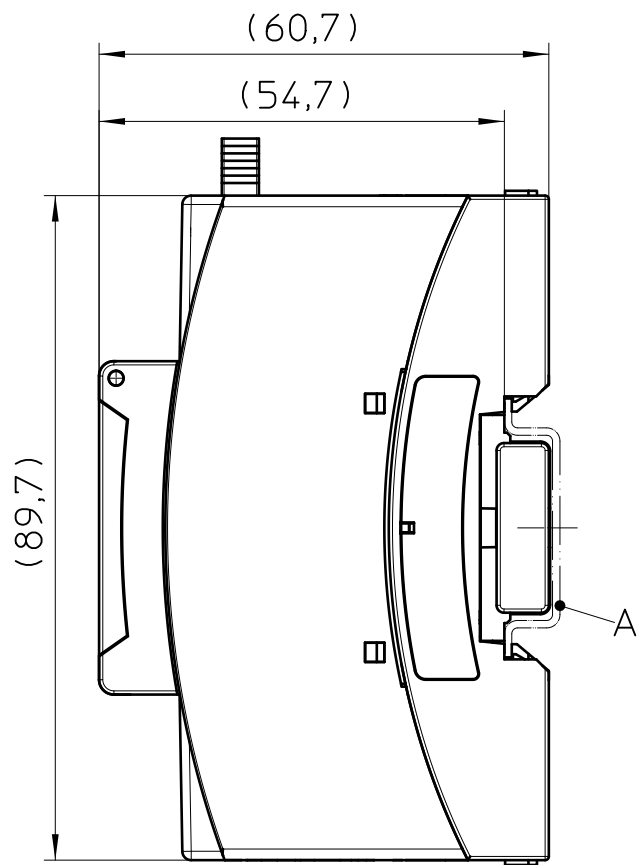
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12345678



Assembly example



A

B

C

D

E

F

General Information:

- Simplified representation
- Document excluded from change process
- Units are in millimeters [mm] and degrees [°]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
- Web: www.phoenixcontact.com

Additional Information:

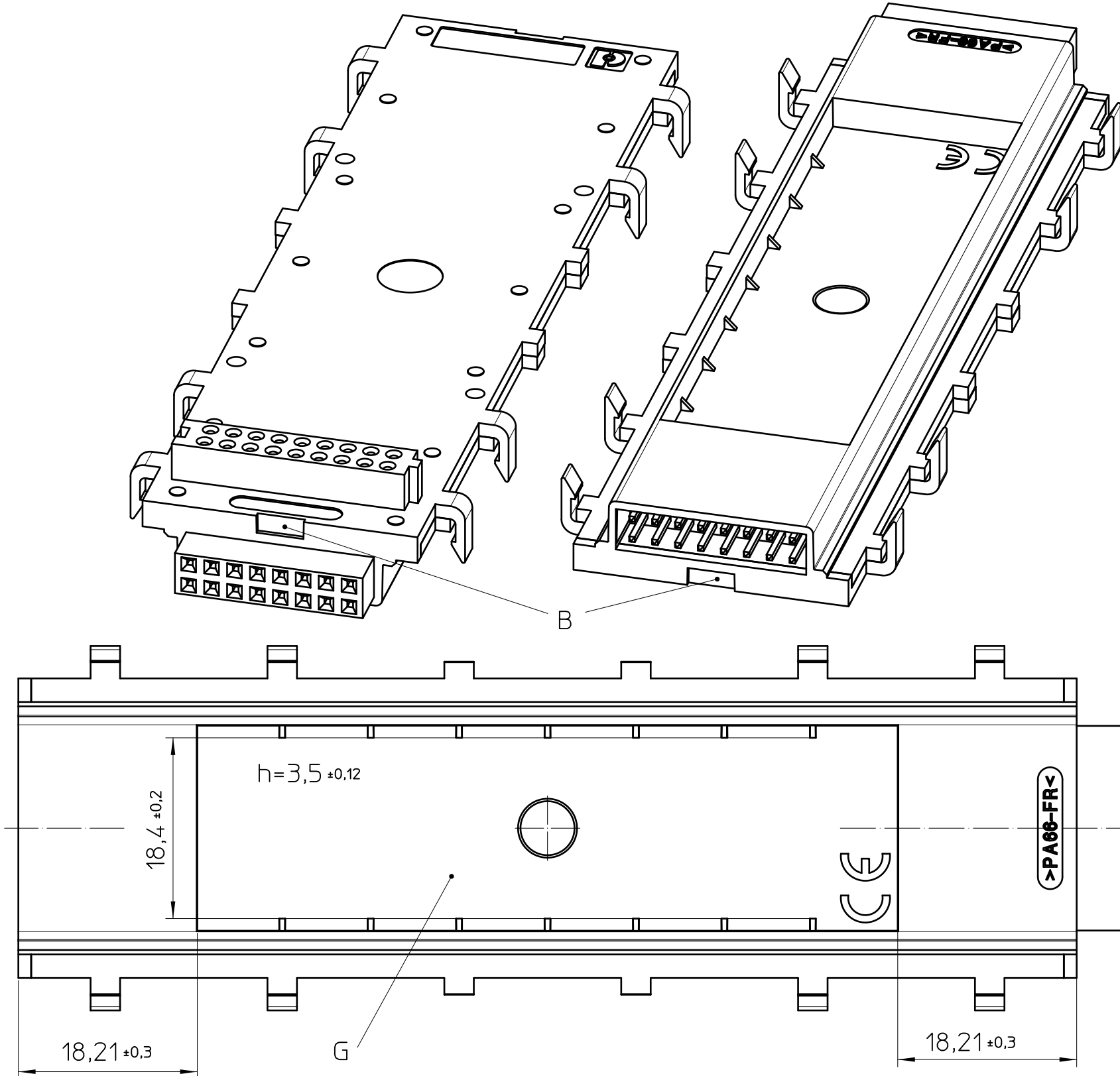
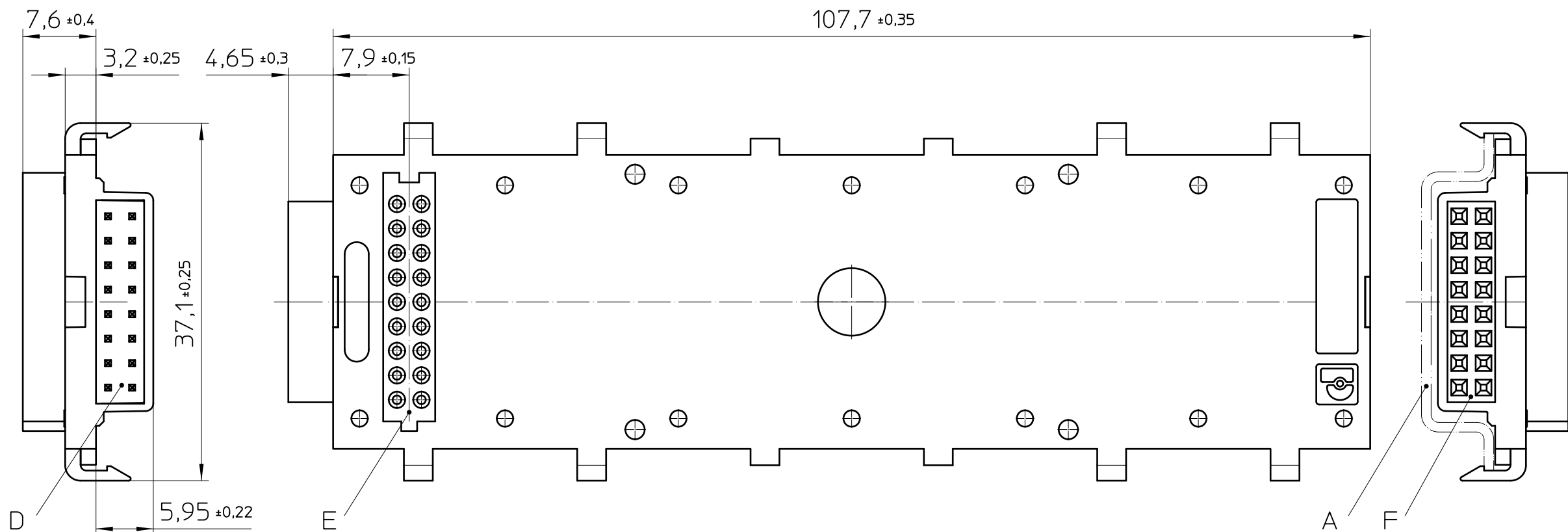
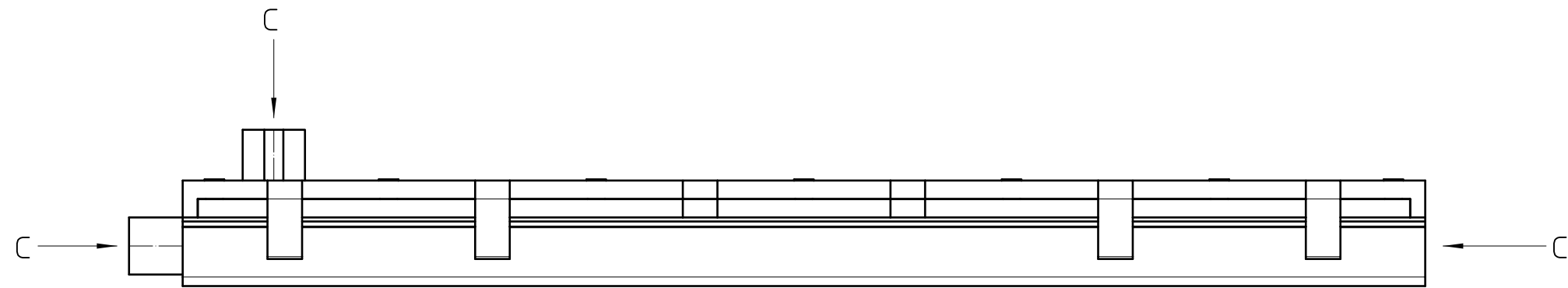
A. Mounting rail like EN 60715, TH 35-7,5 or
mounting rail similar to EN 60715, TH 35-15x1,5

KIT (not mounted)				
Pos.	QTY	Description		
1	1	MOUNTING RAIL BUS CONNECTOR		
2	1	FILLER PLUG-T		
3	1	FILLER PLUG-R		
4	1	FILLER PLUG-L		
5	1	HOUSING LOWER PART		
6	2	FOOT CATCH		
7	1	HOUSING UPPPER PART		
8	2	PCB HOLDER		
9	4	CONNECTION TECHNOLOGY PTSM		
10	1	RPI ADAPTER		
11	1	CONNECTOR PSTD		
12	1	CONNECTOR PSTD		
13	1	COVER		
14	1	PCB RIGHT		
15	1	PCB LEFT		
 DIN A2		document-No. / RI 01377541 / 00	date 16.07.2021	scale 1:1
		ident.-No. 1311017	document-type TECDOC 2D_Productdrawing	
		description		
		BC 107,6-KIT-RPI-7035+PCB		
page 1		of 10		

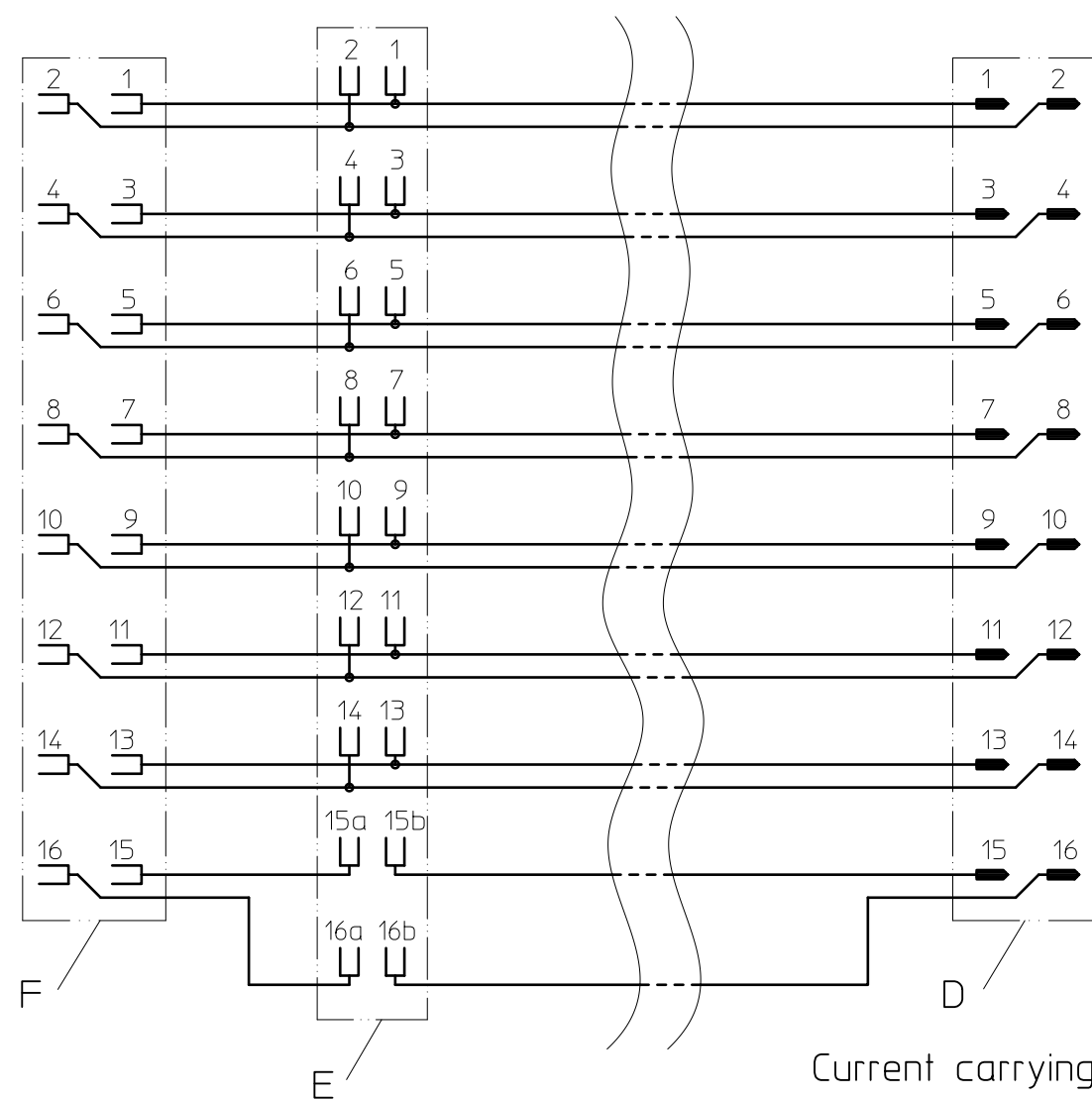
12345678

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Wiring diagram



Air- and creepage distances to the DIN rail min. 0,23mm

Power line,
air- and creepage distances between adjacent contacts min. 0,13mm

Air- and creepage distances between power / signal line, min. 0,8mm

Signale line,
air- and creepage distances between adjacent contacts min. 0,13mm

Air- and creepage distances to the DIN rail min. 0,23mm

Current carrying capacity 3A per contact however total current max. 25A

General Information:

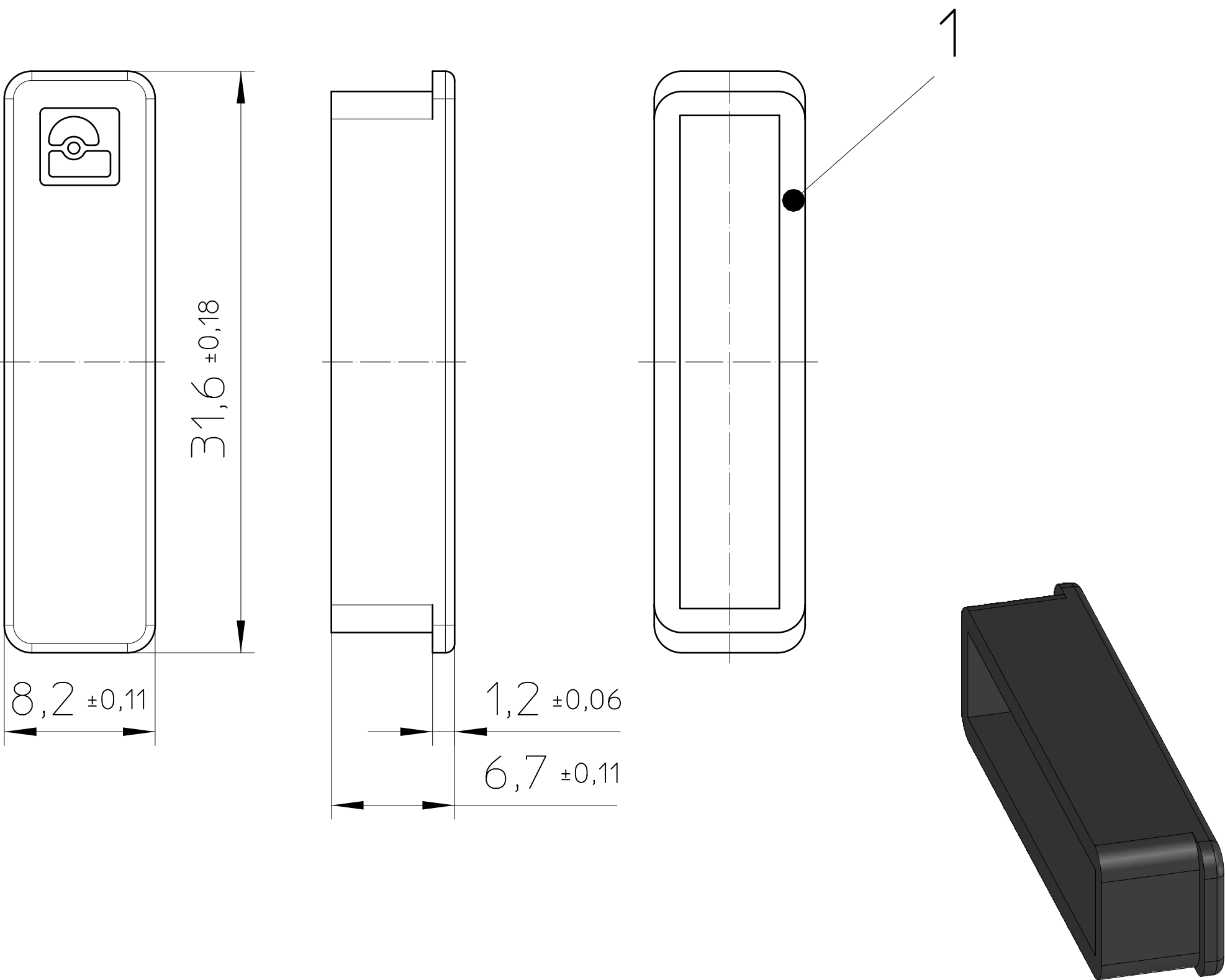
- Simplified representation
- Document excluded from change process
- Linear dimensions [mm]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2 PA plastic parts with about 2% (% by weight) moisture content.
- Further information: www.phoenixcontact.com webcode: #0311

- A. Mounting rail like EN 60715: TH 35-7,5 or mounting rail TH 35-15x1,5 similar to EN 60715
- B. Disassembly notch to separate BUS modules with screwdriver
- C. Optional HBUS-B ... : to protect unused HBUS connectors
- D. Male connector
- E. Top connector
- F. Female connector
- G. Free space for the mounting a screw head in the TH rail

	document-No. / RI 01377541 / 00	date 16.07.2021	scale 2:1
	ident.-No. 1311017	document-type TECDOC 2D_Productdrawing	
page 2 of 10	description BC 107,6-KIT-RPI-7035+PCB		

A

FILLER PLUG TOP



B

C

General information

- Simplified representation
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- Linear dimensions [mm]
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2, PA plastic parts with about 2% (% by weight) moisture content.
- Further information: www.phoenixcontact.com webcode: #0311

Additional Information:

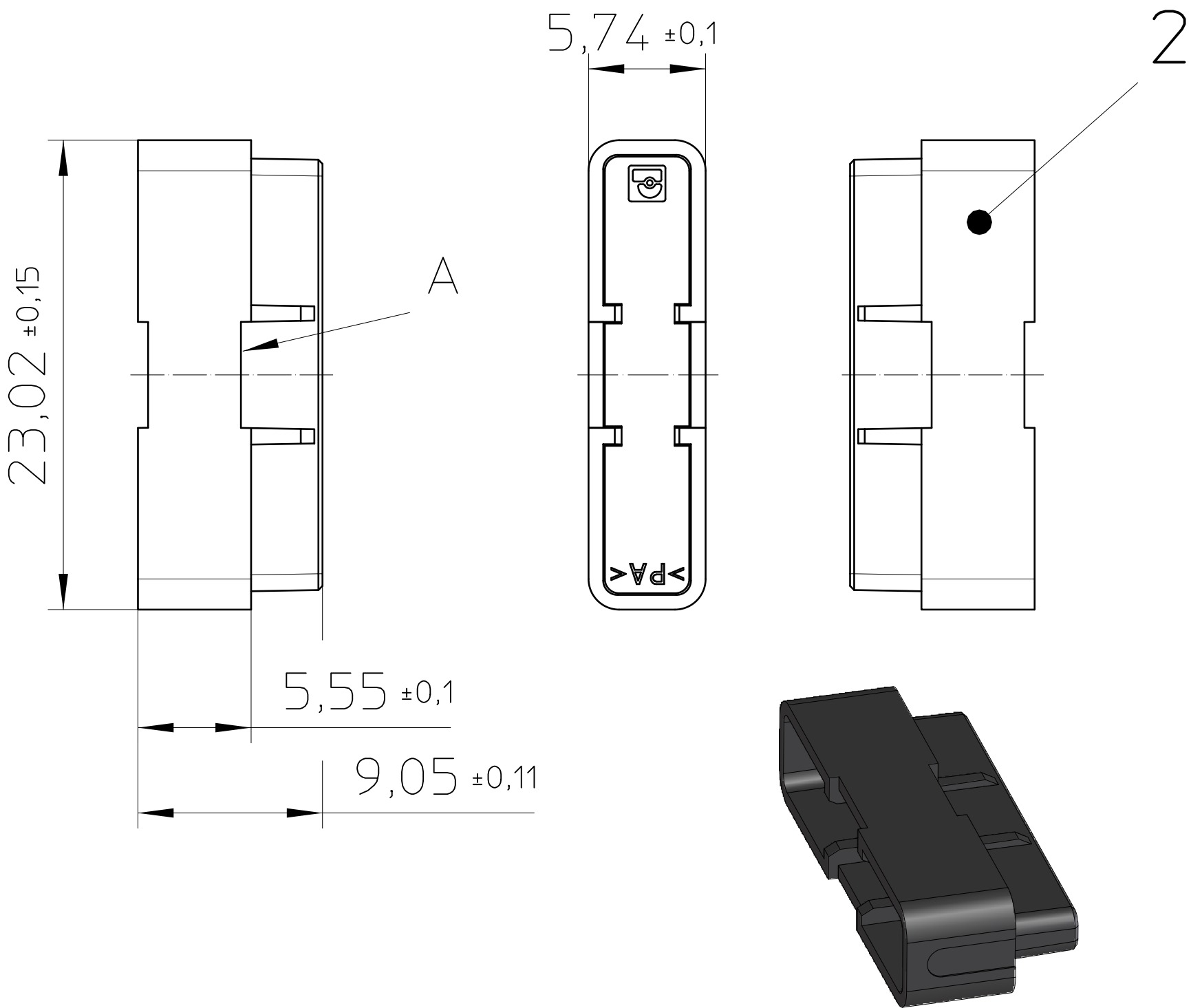
A. Notch to disassembly by screwdriver

1

2

3

FILLER PLUG R/L

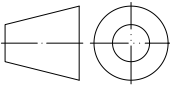


A

B

C

D

KIT (not mounted)				
Pos.	QTY	Description	Material	
1	1	FILLER PLUG TOP	PA	
2	2	FILLER PLUG RIGHT+LEFT	PA	
 DIN A4		document-No. / RI 01377541 / 00	date 16.07.2021	scale 2:1
		ident.-No. 1311017	document-type TECDOC 2D_Productdrawing	
		description BC 107,6-KIT-RPI-7035+PCB		
page 3		of 10		

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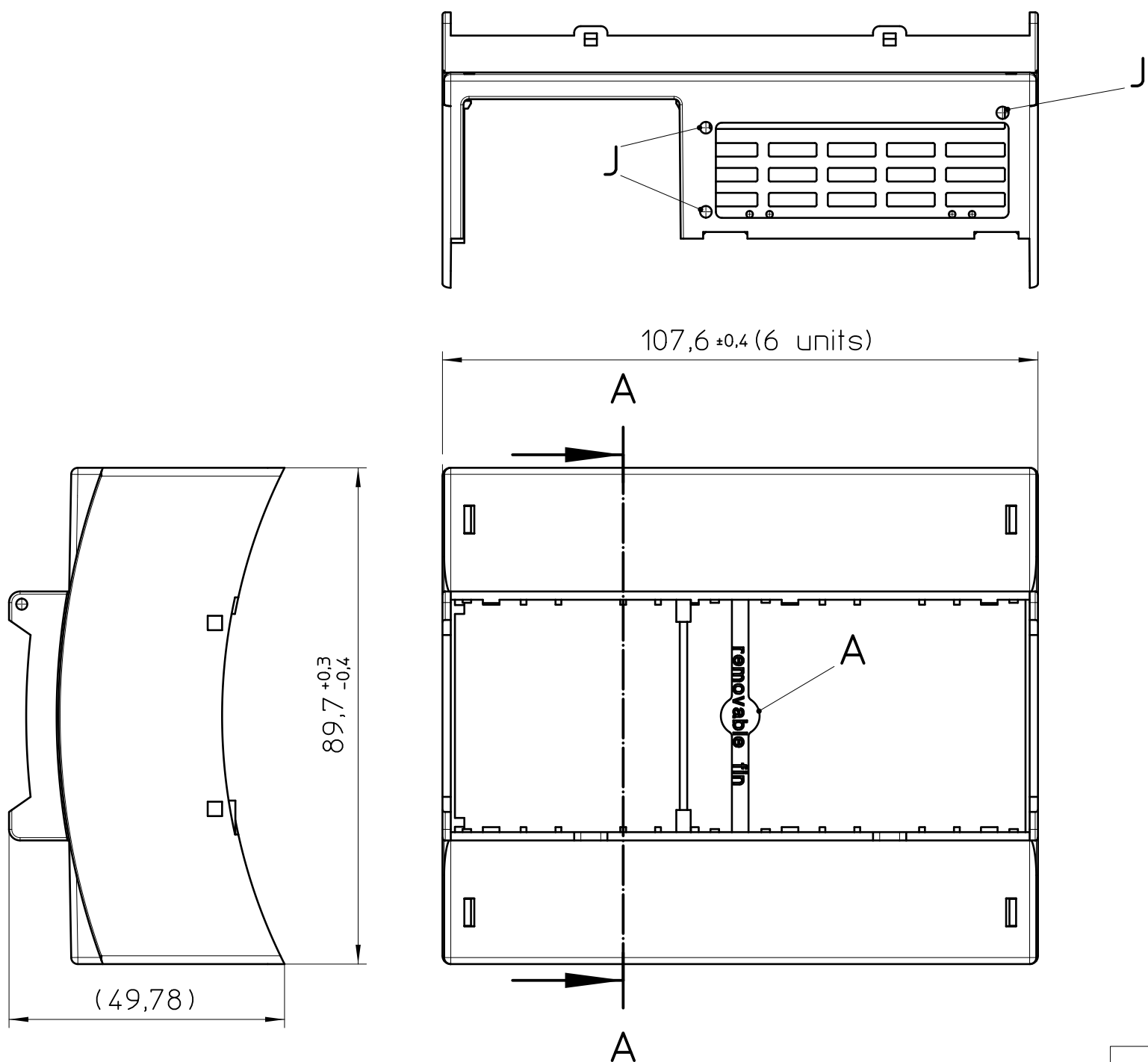
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6

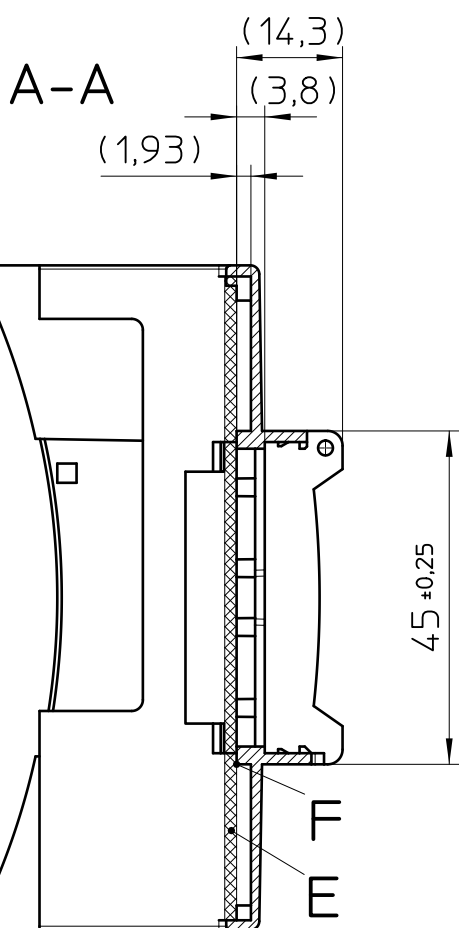
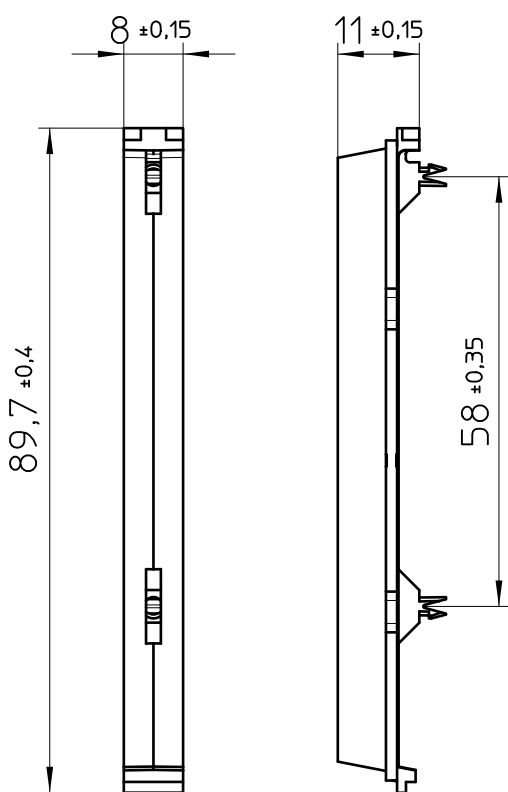
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HOUSING UPPER PART: RPI HS BC 107,6

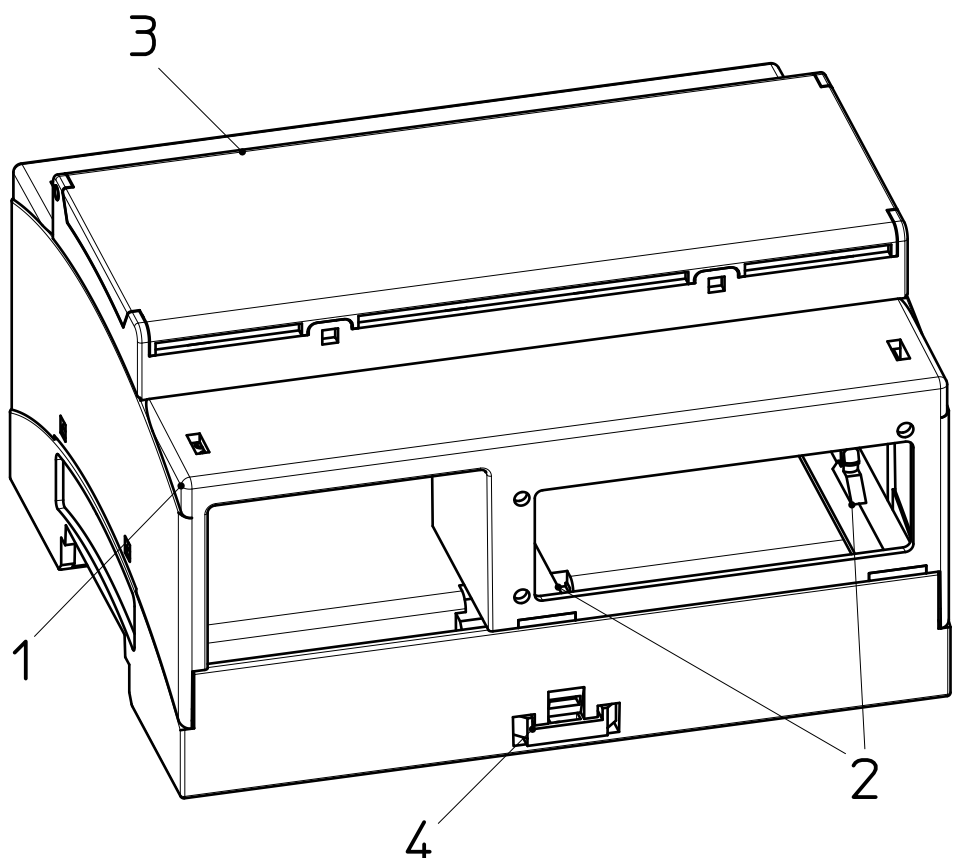
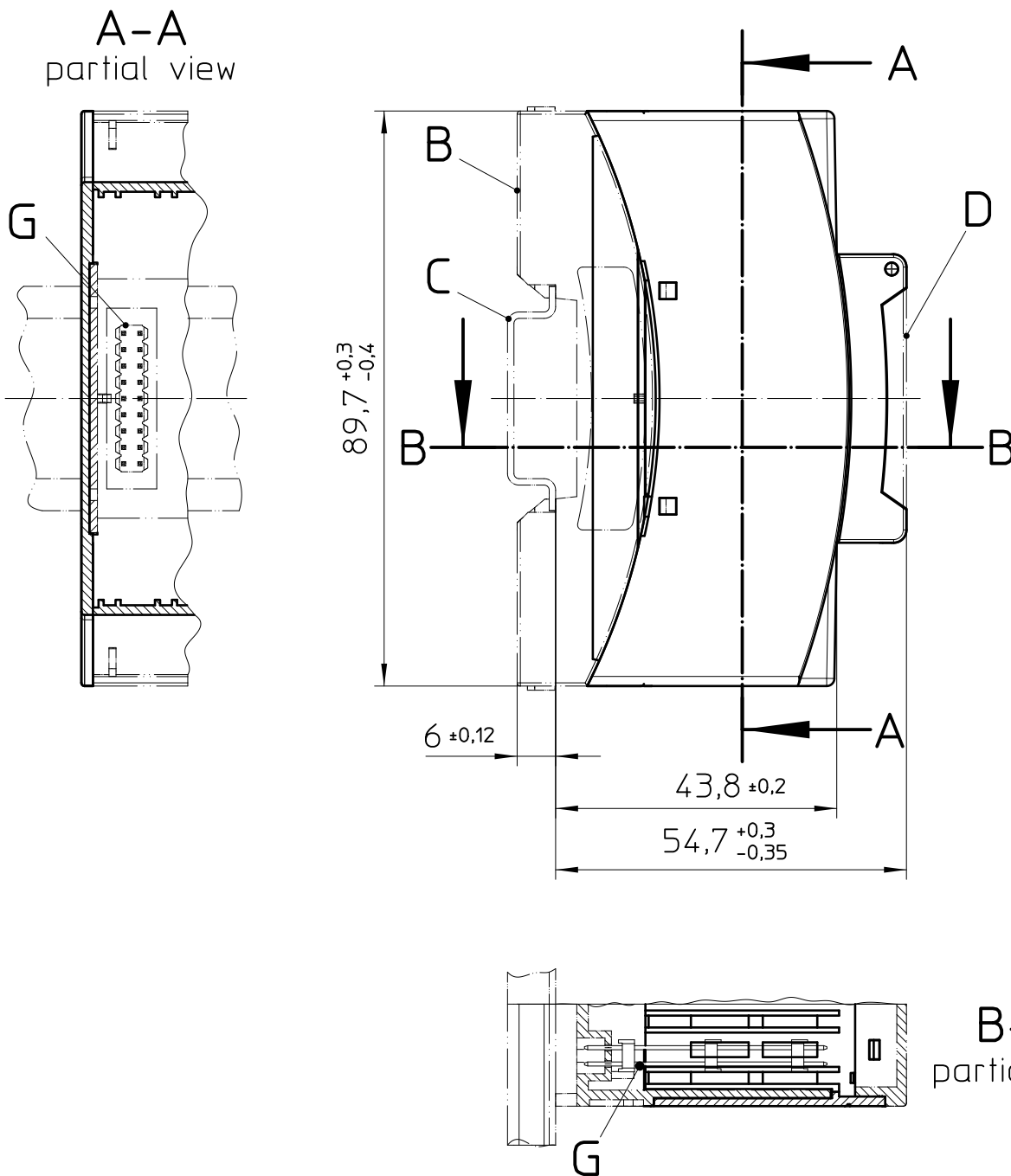


PCB HOLDER



Assembly example

Overall dimensions compliant DIN 43880



KIT

RPI-BC 107,6 DEV-KIT		
Pos.	QTY	Description
1	1	HOUSING UPPER PART
2	2	PCB HOLDER
3	1	COVER
4	2	FOOT CATCH

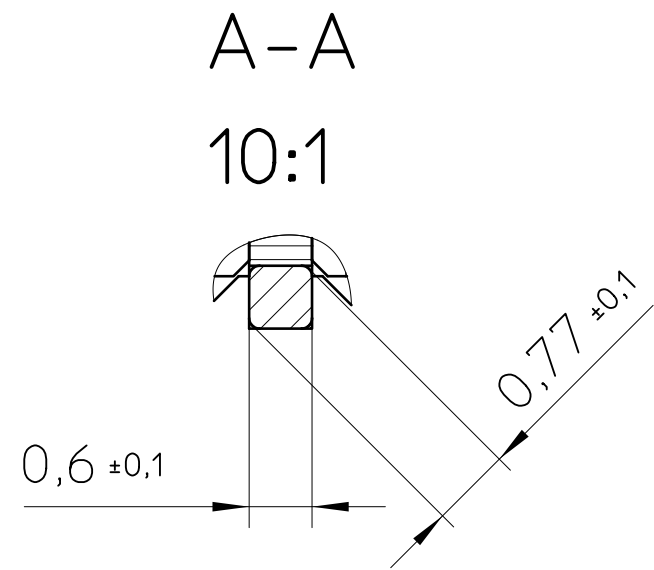
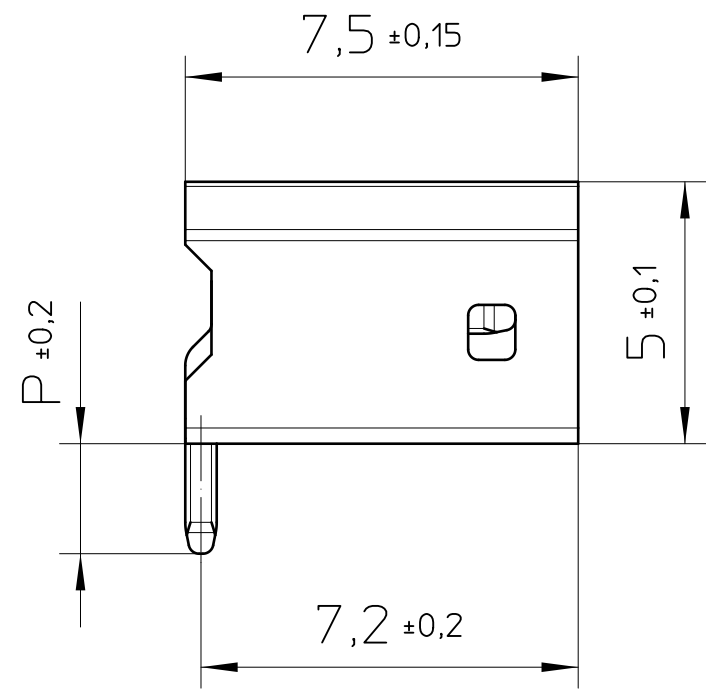
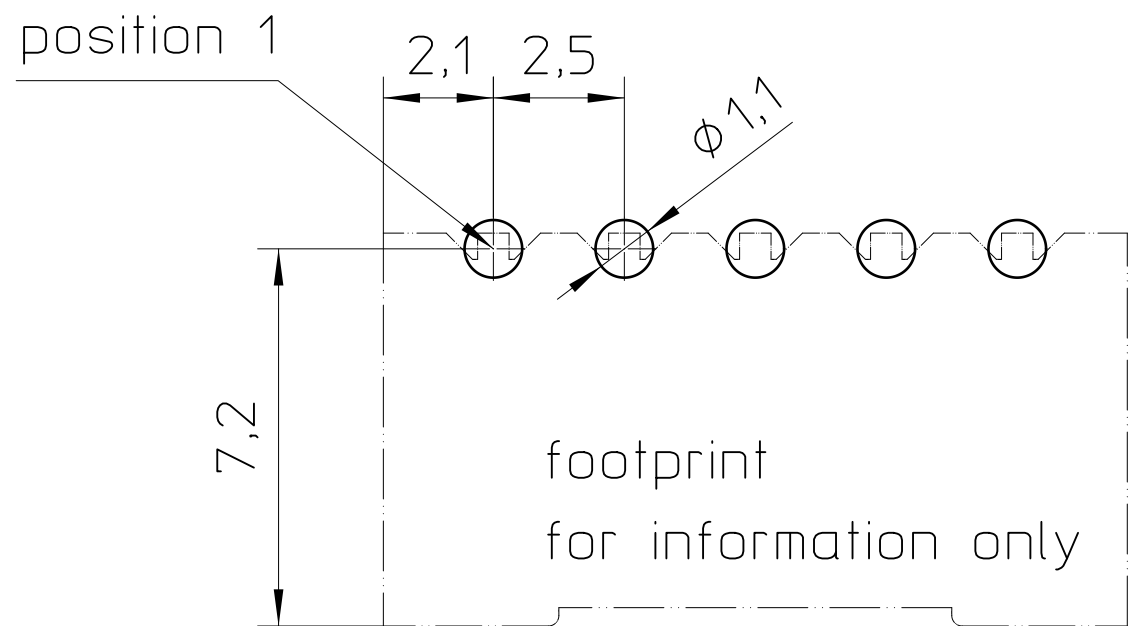
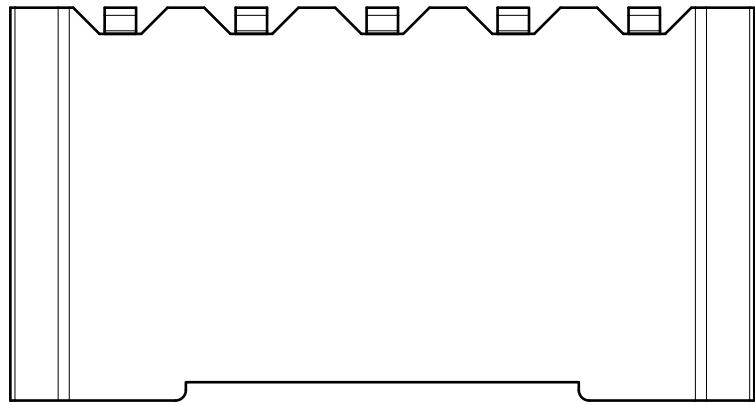
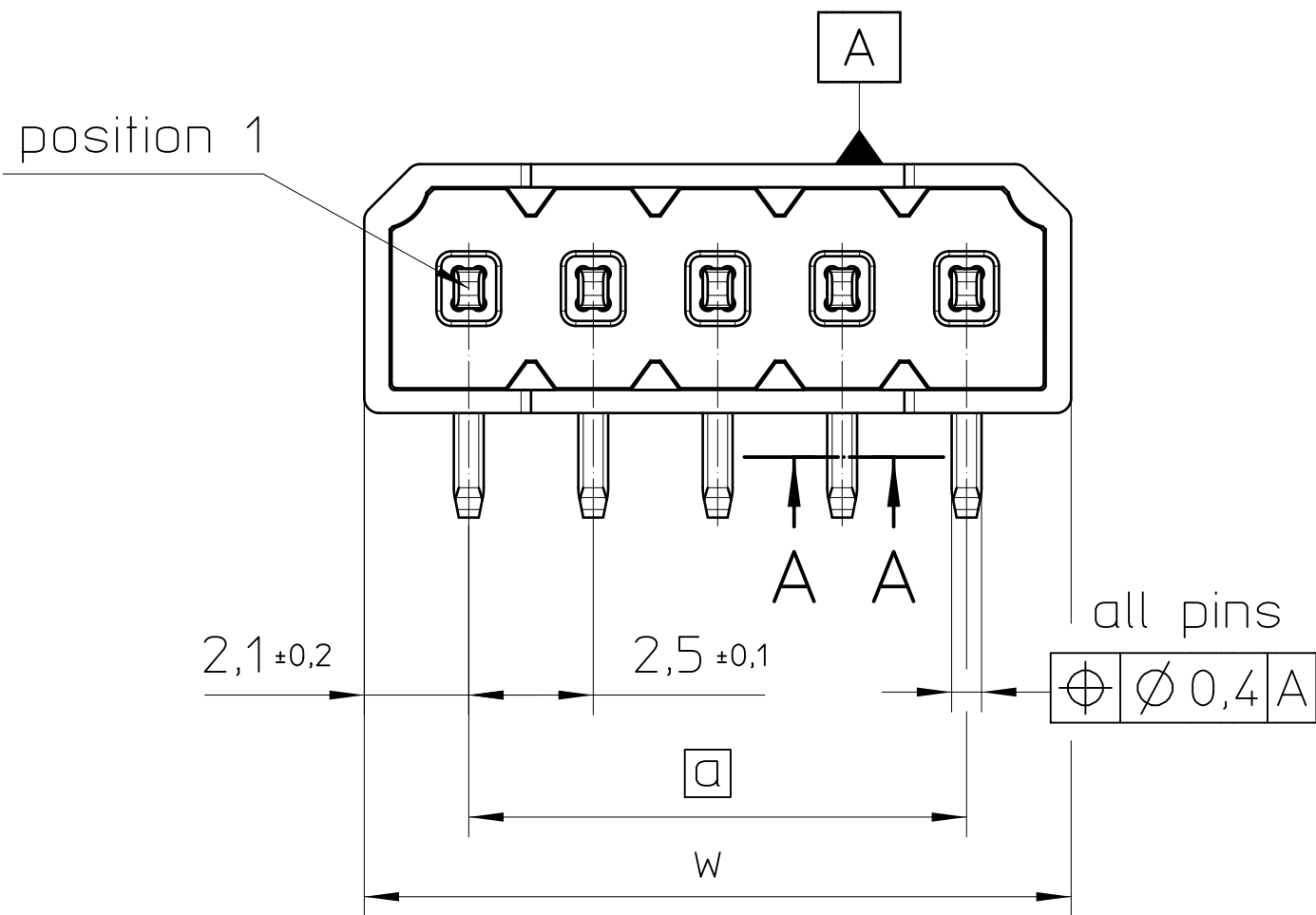
General Information:

- Simplified representation
- Document excluded from change process
- Linear dimensions [mm]
- Tolerances apply in a normale climate according to DIN 50014-23/50-2.
- Further information: www.phoenixcontact.com webcode: #0664

- A. Removeable fin
- B. Housing lower part (BC 107,6 UT HBUS)
- C. Mounting rail like EN 60715: TH 35-7,5 or mounting rail TH 35-15x1,5 similar to EN 60715
- D. Cover
- E. PCB
- F. Position PCB Ext and PCB Int
- G. Plug for HBUS (PSTD 0,65X0,65/18-3IS-2,54)
- H. Latching for PCB (RPI-BC EXT-PCB HBUS SET)
- I. Latching for PCB (RPI-BC INT-PCB SET)
- J. Mounting holes for RPI-BC A+-ADAPTER

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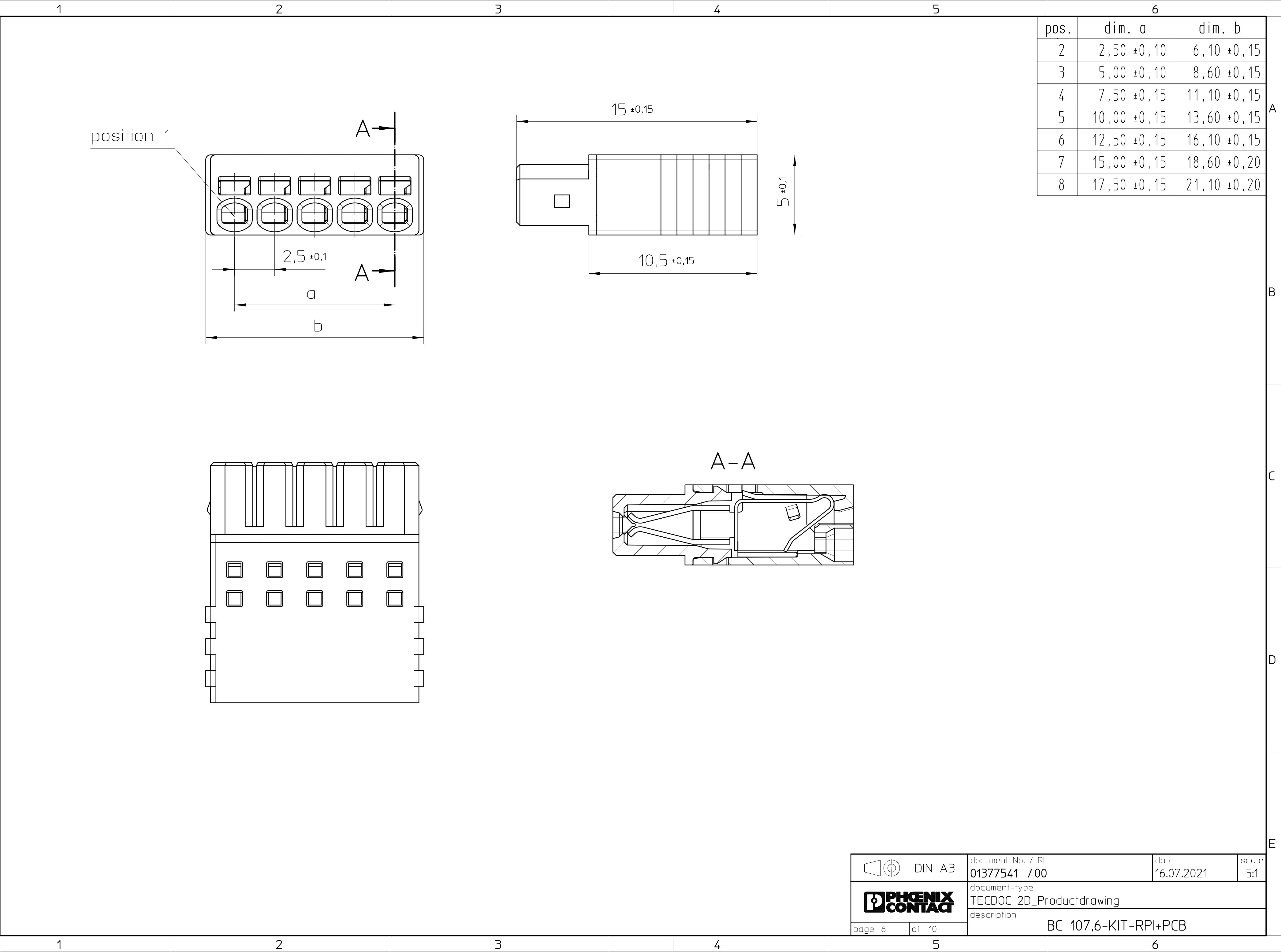


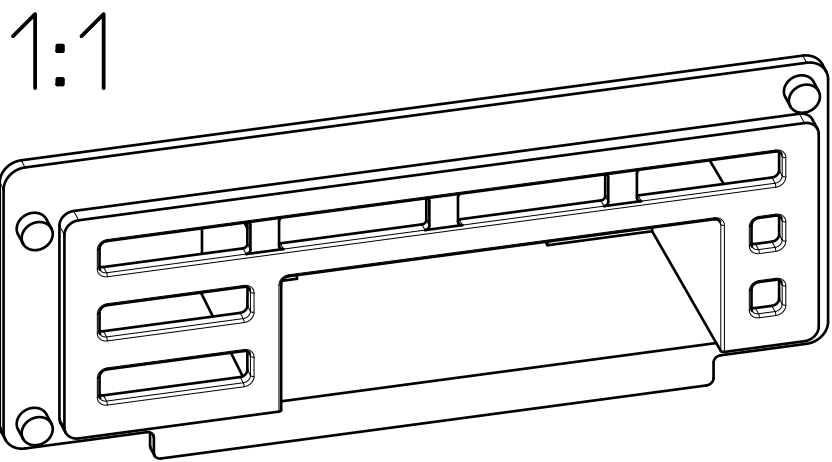
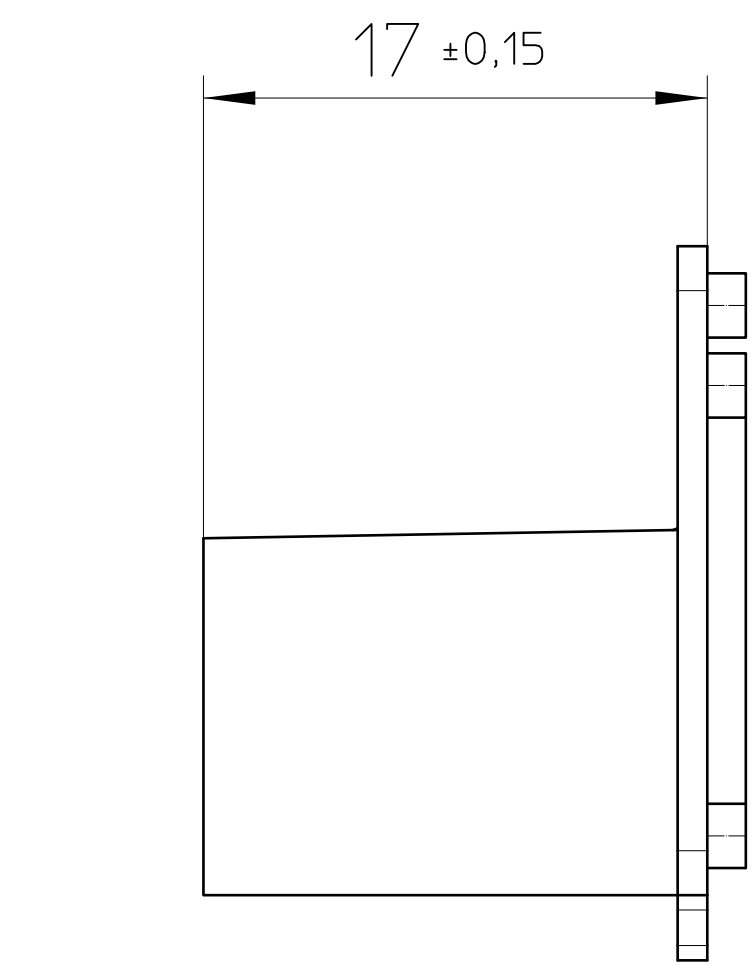
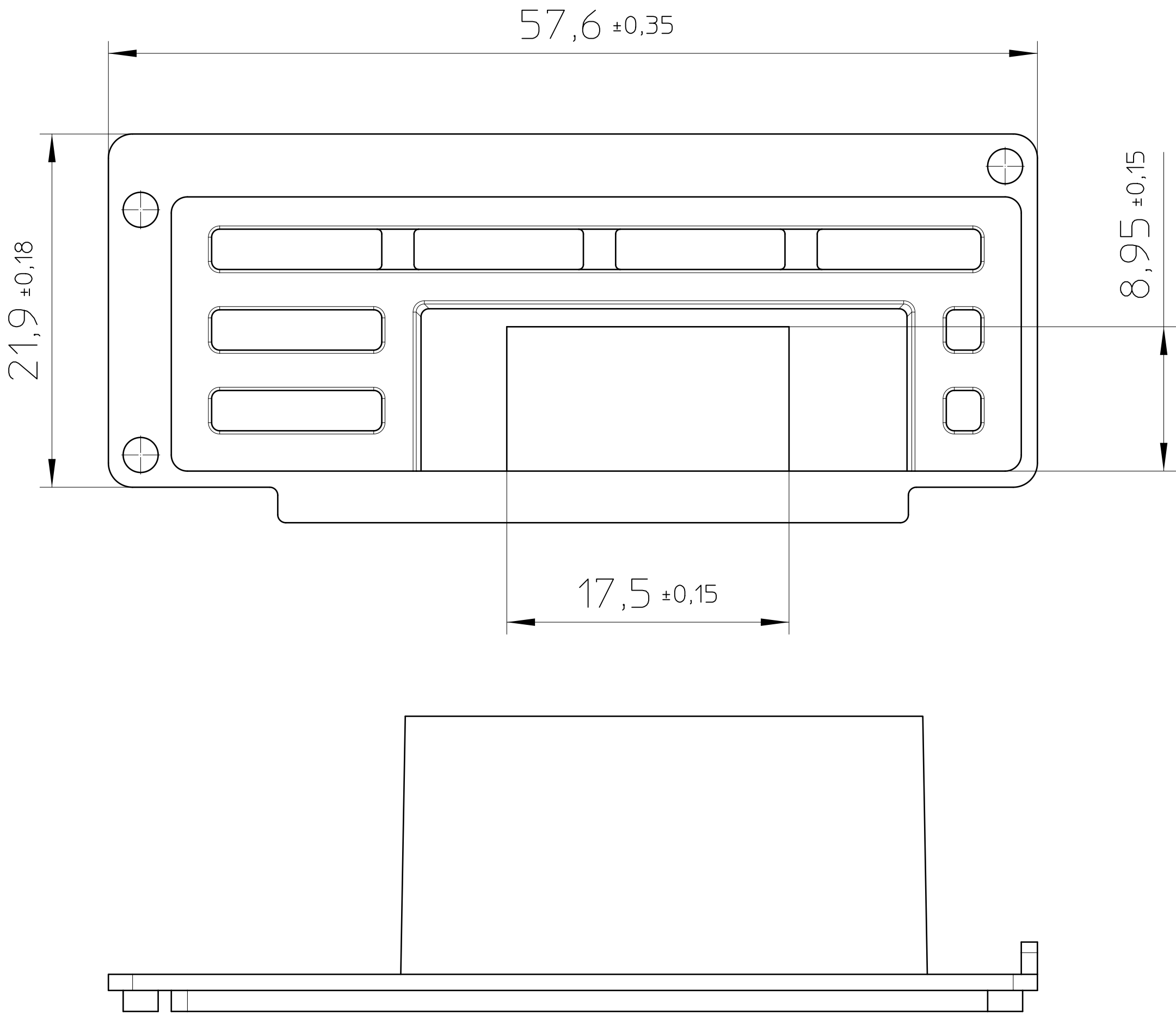
pos.	dim. a	dim. w
2	2,50	6,70 ±0,15
3	5,00	9,20 ±0,15
4	7,50	11,70 ±0,15
5	10,00	14,20 ±0,15
6	12,50	16,70 ±0,15
7	15,00	19,20 ±0,20
8	17,50	21,70 ±0,20

 DIN A3		document-No. / RI 01377541 / 00	date 16.07.2021	scale 5:1	- Simplified representation - Document excluded from change process - Linear dimensions [mm] - EN ISO 291 23/50
		document-type TECDOC 2D_Productdrawing			
		description BC 107,6-KIT-RPI+PCB			
page 5	of 10				

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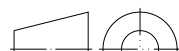
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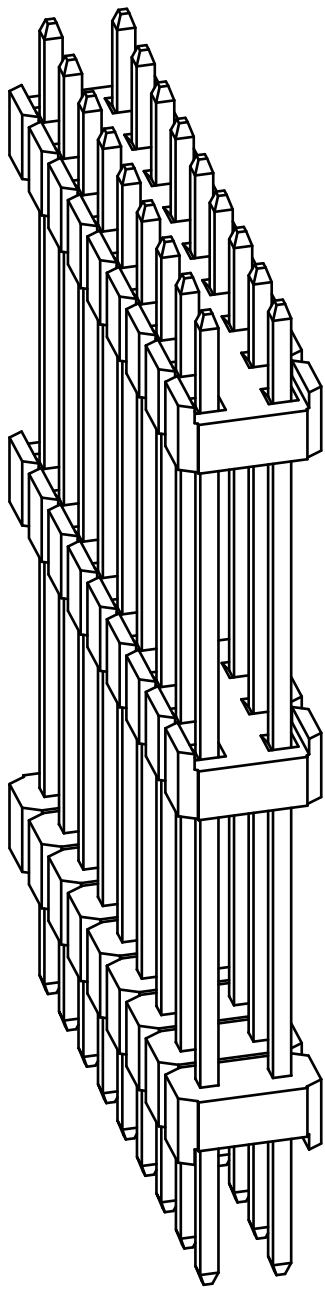
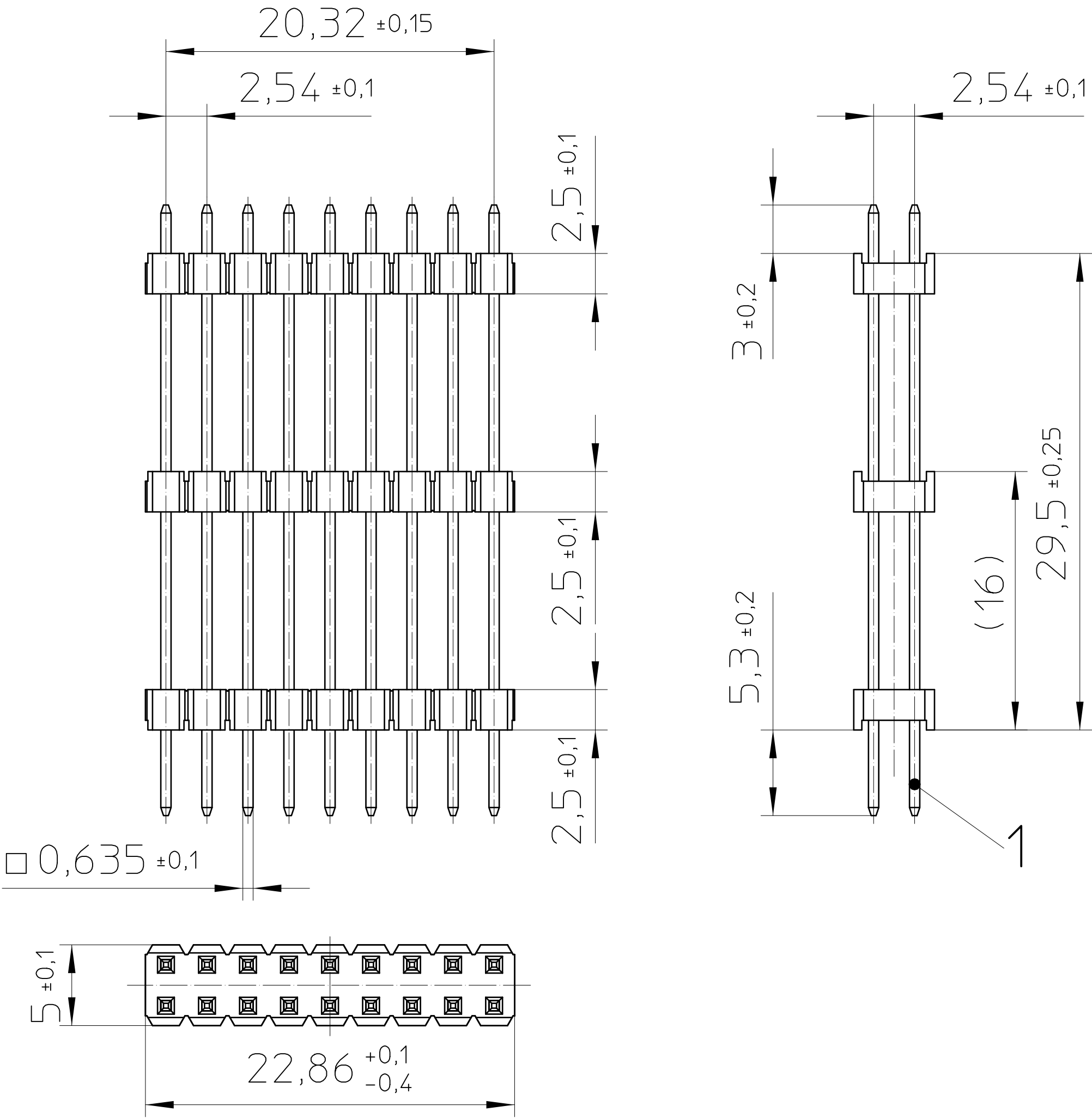




General information:

- Simplified representation
- Document excluded from change process
- Linear dimensions [mm]
- Tolerances apply in a normale climate according to DIN 50014-23/50-2
- Further information:
www.phoenixcontact.com webcode: #0664

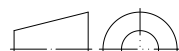
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		ident.-No. 1311017	document-type TECDOC 2D_Productdrawing		
		description BC 107,6-KIT-RPI-7035+PCB			
page 7		of 10			

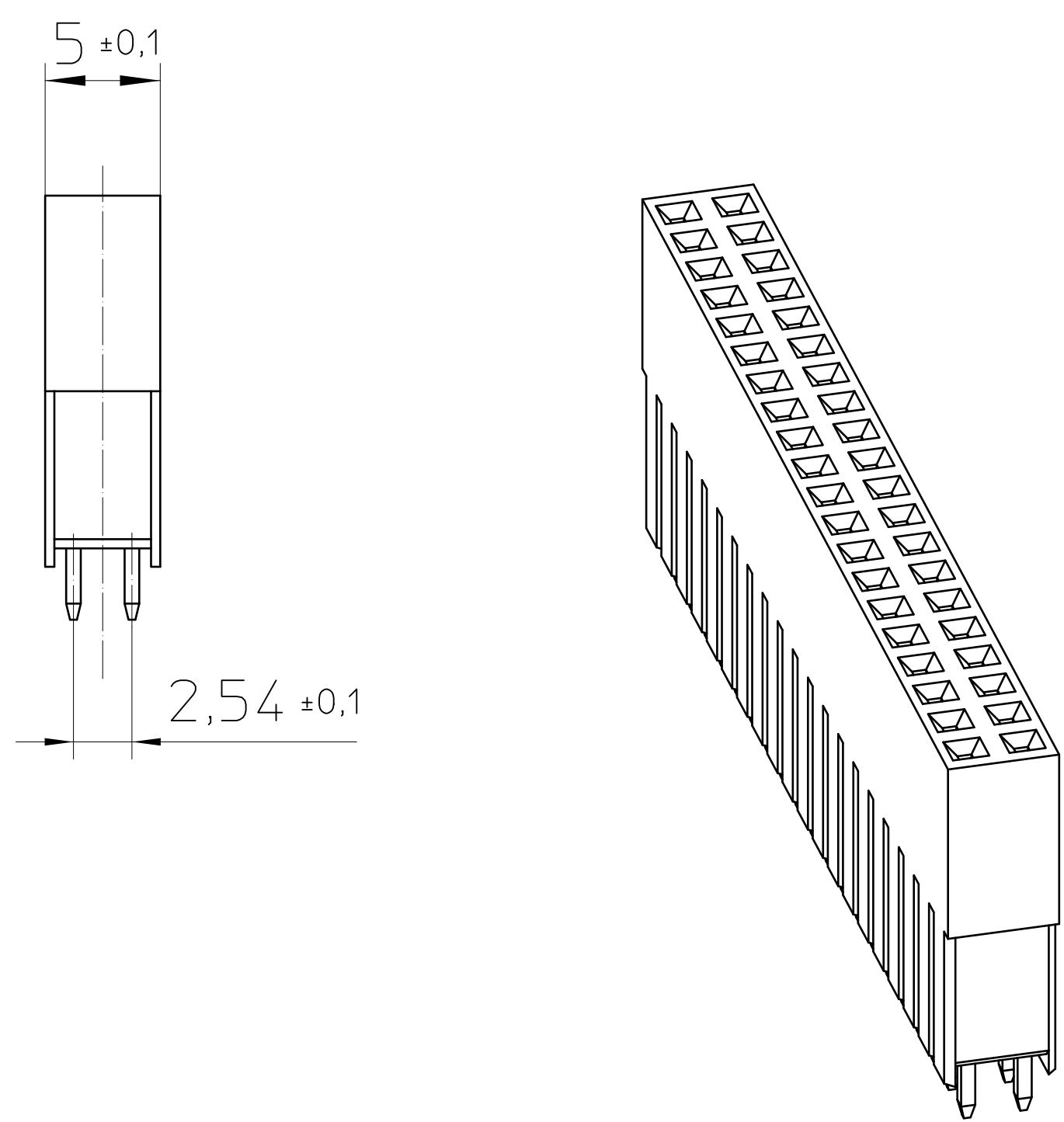
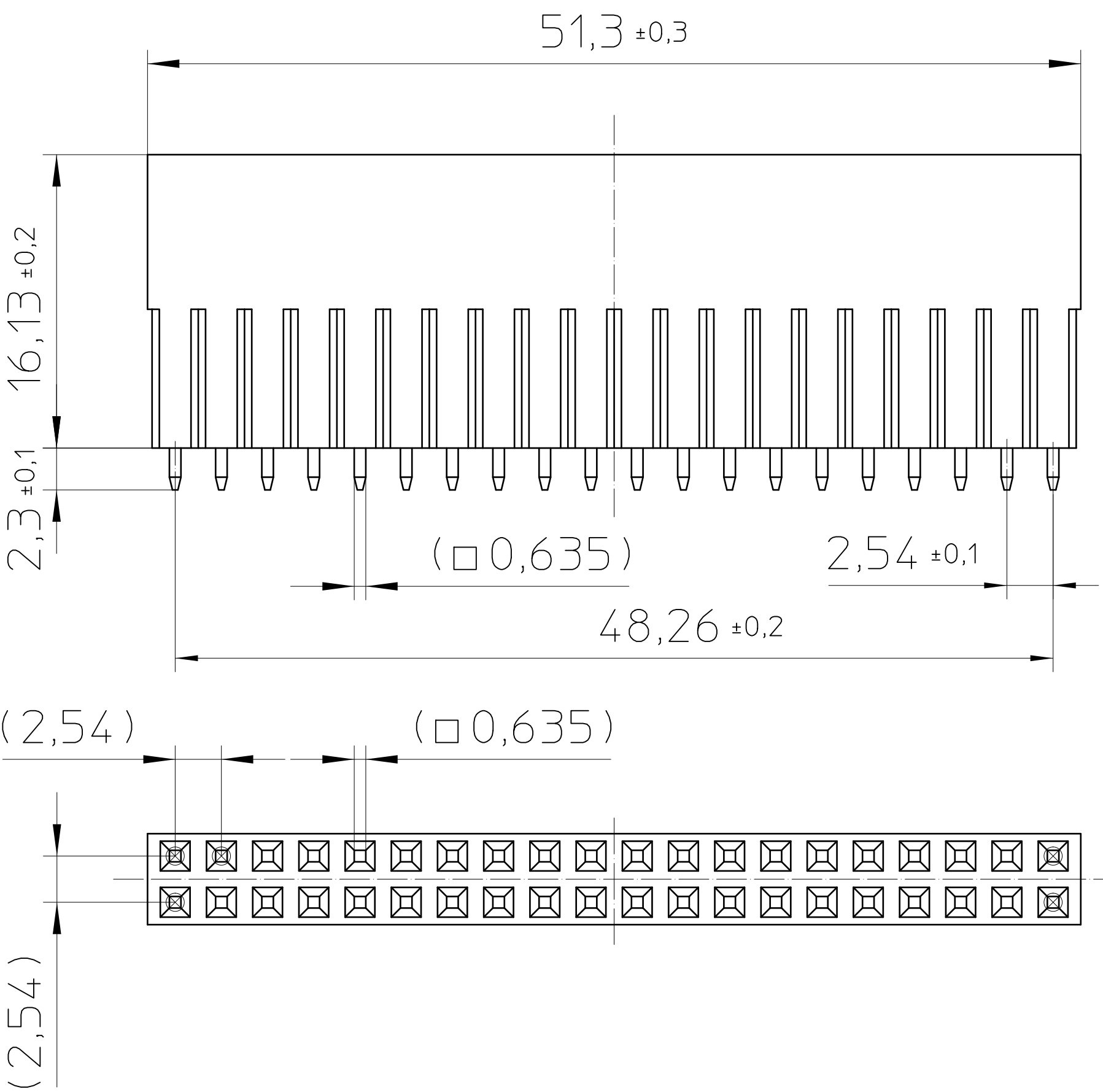


- General Information
- Simplified representation
 - Document excluded from change process
 - Linear dimensions [mm]
 - Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2
 - Further information: www.phoenixcontact.com webcode: #0664
 - Recommended application RPI-BC Housing series: bus connector
 - Recommended PCB hole dimension: $\varnothing 1,02$

1) contact side

Insulator Material	PA6T with 30% GF (UL94 V-0)
Contact Material	Copper Alloy
Plating	Full Gold flash plated
Insulation Resistance	5000 MOhm min.
Contact Resistance	<20 mOhm
Current Rating	3.0A
Dielectric Withstanding	500V AC
Temperature Range	-40°C ... +125°C
RoHS compliant	

 DIN A4		document-No. / RI 01377541 / 00		date 16.07.2021	scale 2:1
		ident.-No. 1311017	document-type TECDOC 2D_Productdrawing		
		description BC 107,6-KIT-RPI-7035+PCB			
page 8	of 10				



Insulator Material	Thermoplastic (UL94 V-0)
Contact Material	Copper Alloy
Plating (XX)	Gold flash plated over Nickel
Insulation Resistance	>1000 MOhm
Contact Resistance	<20 mOhm
Current Rating	3.0A
Voltage Rating	250V AC
Dielectric Withstanding	500V AC
Temperature Range	-40°C ... +105°C

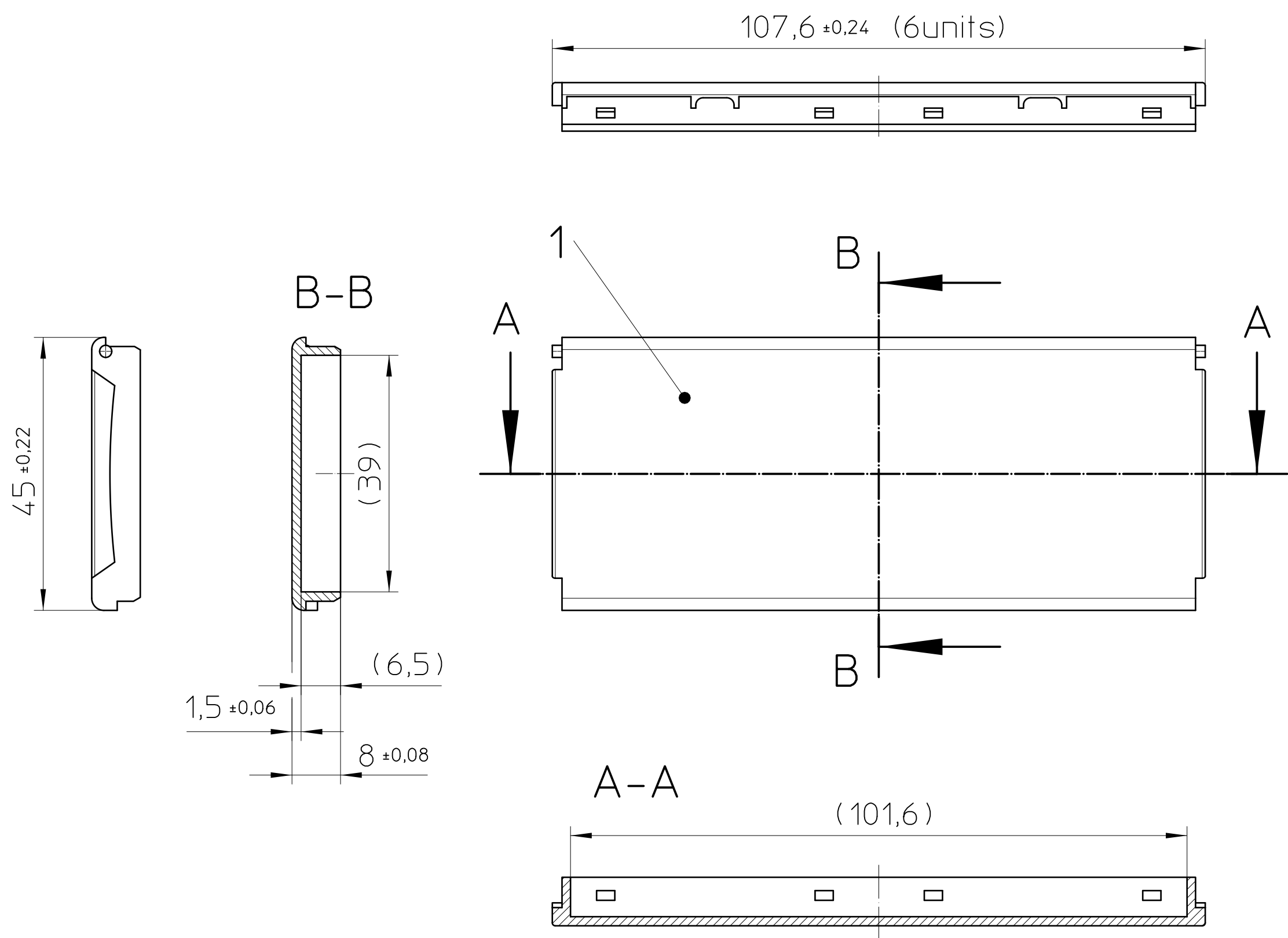
- General Information
- Simplified representation
 - Document excluded from change process
 - Linear dimensions [mm]
 - Further information: www.phoenixcontact.com webcode: #0664
 - Recommended application RPI-BC Housing series
 - Recommended PCB hole dimension: $\varnothing 1 +0,1/-0,05$

  DIN A4		document-No. / RI 01377541 / 00		date 16.07.2021	scale 2:1
		ident.-No. 1311017	document-type TECDOC 2D_Productdrawing		
		description BC 107,6-KIT-RPI-7035+PCB			
page 9	of 10				

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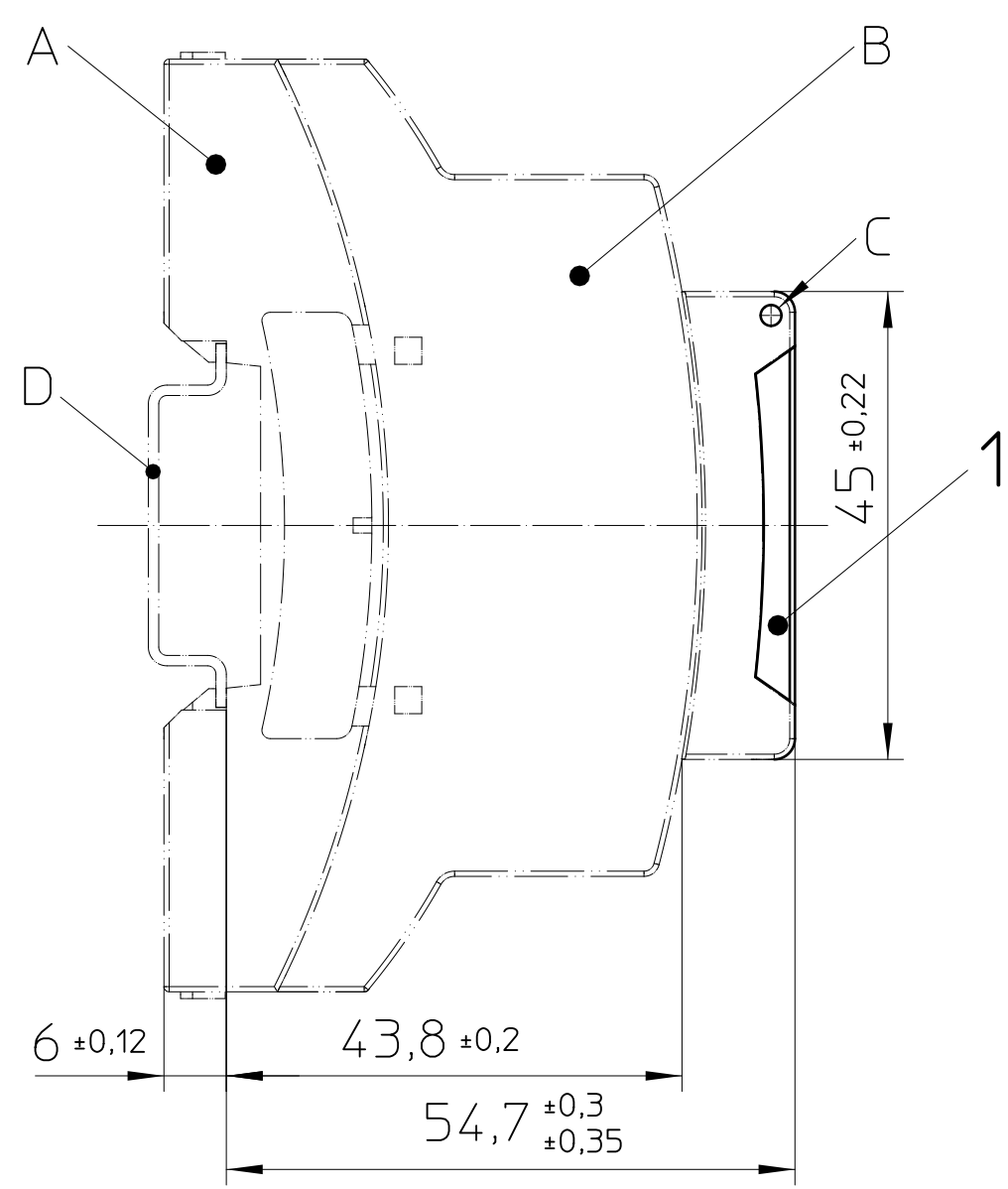
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COVER



Assembly example

Overall dimensions complaint DIN 43880

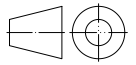


General Information

- Simplified representation, exemplary shown in gray
- Document excluded from change process
- Linear dimensions [mm]
- Tolerances apply in a normale climate according to DIN EN ISO 291-23/50-2.
- Further information:
www.phoenixcontact.com webcode: #0311

Additional Information:

- A. Housing lower part BC 107,6 UT HBUS...
- B. Housing upper part BC 107,6 OT...
- C. pivot point
- D. Mounting rail like EN 60715: TH 35-7,5 or mounting rail TH 35-15x1,5 similar to EN 60715

Pos.	QTY	Description	Material		
1	1	COVER	PC		
 DIN A3		document-No. / RI 01377541 / 00		date 16.07.2021	scale 1:1
		ident.-No. 1311017	document-type TECDOC 2D_Productdrawing		
		description BC 107,6-KIT-RPI-7035+PCB			
page 10		of 10			