# janitza KBU 23D*2 600-1 Separable Residual Current Transformer Instructions



Contents



Janitza®

**janitza KBU 23D*2 600-1 Separable Residual Current Transformer**

## Product Information

The Separable Residual Current Transformer, Type KBU, is a versatile device suitable for retrofitting. It can be installed during operation without interrupting the primary conductor. The Type KBU is one of the available models, along with the Type CT-AC.

**Type and Ratio:**

| Type | Ratio |
|---|---|
| KBU 23D*2 | 600/1 |
| KBU 58D*2 | 600/1 |
| KBU 812D*2 | 600/1 |

**Maximum Primary Residual Current:**

- KBU 23D*2: 18,000 mA
- KBU 58D*2: 18,000 mA
- KBU 812D*2: 18,000 mA

**Maximum Wire Diameter:**

- KBU 23D*2: 20 mm x 30 mm
- KBU 58D*2: 50 mm x 80 mm
- KBU 812D*2: 80 mm x 120 mm

**Busbar Rail:**

- KBU 23D*2: 34/58 mm
- KBU 58D*2: 34/58 mm
- KBU 812D*2: 34/58 mm

**Dimensions:**

- KBU 23D*2: A=93 mm, B=106 mm, C/C1=34/58 mm, D=20 mm, E=30 mm
- KBU 58D*2: A=125 mm, B=158 mm, C/C1=34/58 mm, D=50 mm, E=80 mm
- KBU 812D*2: A=155 mm, B=198 mm, C/C1=34/58 mm, D=85 mm, E=125 mm

**Weight and Part Number:**

- KBU 23D*2: 0.7 kg, Part No. 1503400
- KBU 58D*2: 1.1 kg, Part No. 1503401
- KBU 812D*2: 1.4 kg, Part No. 1503402

**Accessories:**
The product can be used with the Load (3.9) which includes a 1.5 m connecting cable and spring terminal. The Load is sold separately with Part No. 1503086.

1. When using the analog inputs of the UMG 96RM-E, UMG 96RM-PN, UMG 509-PRO and UMG 512-PRO
2. If the residual current transformers of the KBU series are used in conjunction with the UMG 20CM, the measuring range of the UMG 20CM can be increased from 900 mA or 1 A to 14 A or 15 A by connecting the Load (Part No. 1503086) in series.

## Product Usage Instructions

To install the Separable Residual Current Transformer, follow these steps:

1. Ensure that the primary conductor is not energized.
2. Select the appropriate Type and Ratio of the transformer based on your requirements.
3. Determine the maximum primary residual current and maximum wire diameter for your application.
4. Choose the suitable busbar rail size and dimensions according to your installation setup.
5. Securely attach the transformer using the specified dimensions and ensure proper alignment.
6. If needed, connect the Load (Part No. 1503086) in series to increase the measuring range of compatible devices.

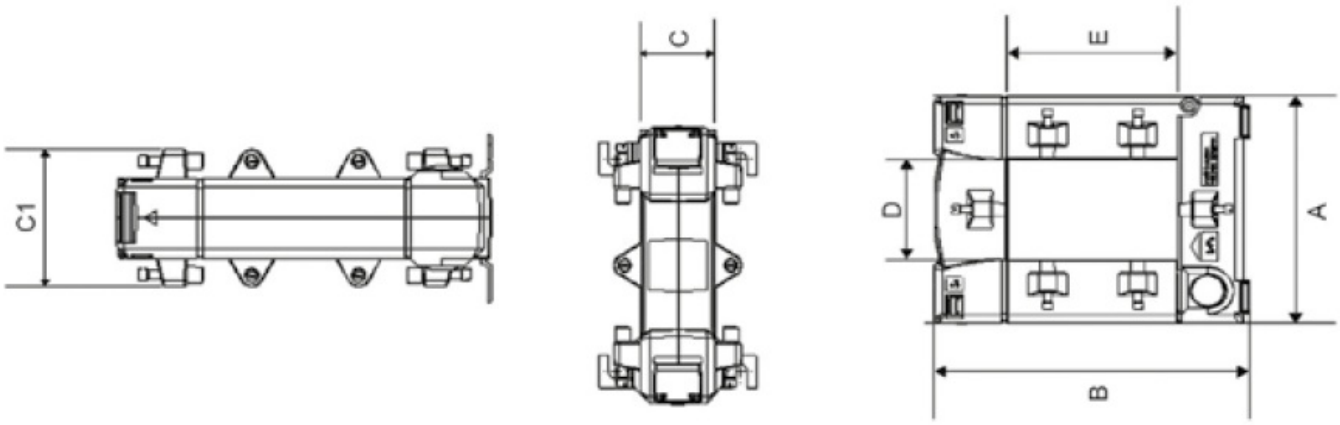
**Note:**
When using the product with specific devices mentioned in the manual, make sure to follow the provided instructions for optimal performance.

**SEPARABLE RESIDUAL CURRENT TRANSFORMER, TYPE KBU**
Separable residual current transformers are particularly suitable for retrofitting, as they can also be installed during operation and without interrupting the primary conductor. They are available in the models type KBU and type CT-AC.

## TECHNICAL DATA

| SEPARABLE RESIDUAL CURRENT TRANSFORMER, TYPE KBU | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **TYPE** | **RATIO** | **MAX. PRIMARY RESIDUAL CURRENT in mA*1** | **MAX. WIRE DIAMETER in mm** | **BUSBAR RAIL in mm** | **DIMENSIONS in mm** | | | | | **WEIGHT in kg** | **PART NO.** |
| | | | | | **A** | **B** | **C / C1** | **D** | **E** | | |
| KBU 23 D*2 | 600/1 | 18000 | 4 x approx. 10 (rm –10 qmm) or 8 x 7 (rm– 6 qmm) | max. 20 x 30 | 93 | 106 | 34/58 | 20 | 30 | 0.7 | **1503400** |
| KBU 58 D*2 | 600/1 | 18000 | 4 x approx. 27 (rm –240 qmm) or 8 x 20 (rm–95 qmm) | max. 50 x 80 | 125 | 158 | 34/58 | 50 | 80 | 1.1 | **1503401** |
| KBU 81 2D*2 | 600/1 | 18000 | 4 x approx. 42 (rm –500 qmm) or 8 x 29 (rm–240 qmm) | max. 80 x 120 | 155 | 198 | 34/58 | 85 | 125 | 1.4 | **1503402** |
| **ACCESSORIES** | | | | | | | | | | | |
| Load (3.9 Ω) with 1.5 m connecting cable and spring terminal | | | | | | | | | | | **1503086** |
| *1 When using the analog inputs of the UMG 96RM-E, UMG 96RM-PN, UMG 509-PRO and UMG 512-PRO<br>*2 If the residual current transformers of the KBU series are used in conjunction with the UMG 20CM, the measuring range of the UMG 20CM can be increased from 900 mA or 1 A to 14 A or 15 A by connecting the load (part no. 1503086) in series. | | | | | | | | | | | |

## DIMENSIONAL DRAWINGS




## Documents / Resources

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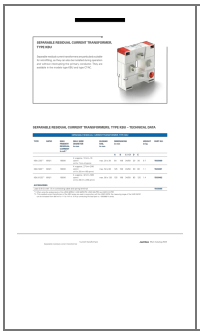
|  | janitza KBU 23D*2 600-1 Separable Residual Current Transformer [pdf] Instructions<br>KBU 23D 2 600-1 Separable Residual Current Transformer, KBU 23D 2 600-1, Separable Residual Current Transformer, Residual Current Transformer, Current Transformer, Transformer |