TUC 80 500/5A

VM741600



Through-bar current transformer for AC devices x/5 A, suitable for DIN-rail or panel mounting (using the supplied supports).

General features

- Busbar passage: 80–100 mm
- Cable passage: Ø 65 mm
- Double clamp for secondary
- Opening (hole) for cable or busbar passage (primary)

Technical specifications

Power supply	
Frequency	50 / 60 Hz
Measure	
Transformation ratio	500/5 A
Functional characteristics	
Maximum continuous overload	1,2 In A A
Safety factor	<5
Maximum operating voltage	720 V
Rated withstand voltage at 50 Hz for 1 min	3 kV
Rated power Class 0.5	15 VA
Rated power Class 1	20 VA
Rated power Class 3	30 VA
Operating conditions	
Operating temperature range	-10 ÷ 50 °C
Physical features	
Insulated housing	✓
Overall dimensions	
Height (A)	161.5 mm
Width (B)	131 mm

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Revision date: 2026-02-02

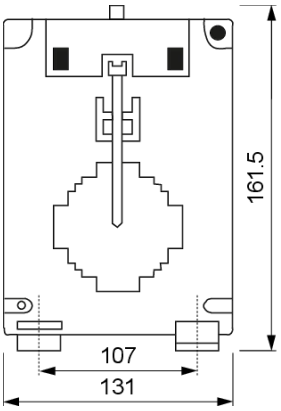
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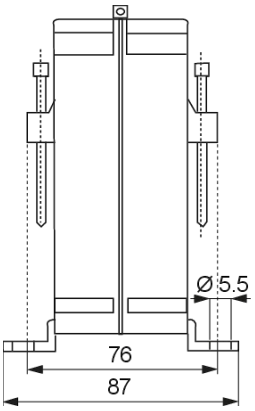
Overall dimensions	
Depth (C)	87 mm

Dimensions

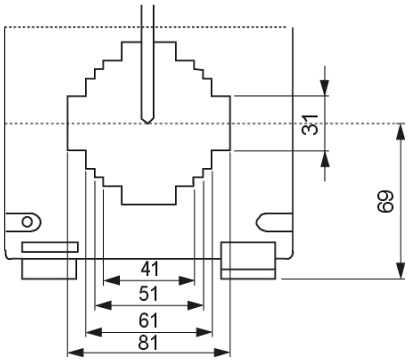
Front View



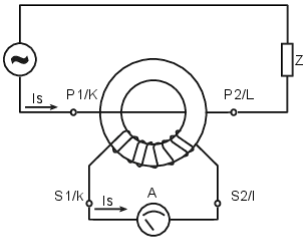
Side View



Hole Detail



Wiring diagram



When connecting all current transformers, it is important to respect the current directions.

- Primary: P1/K to P2/L
- Secondary: S1/k to S2/l

Note: The current-carrying capacity of the current transformer must correspond to the full scale of the device.

Product variants

TUC 80 400/5A
VM740800
Through-bar current transformer 400/5 A

TUC 80 600/5A
VM742400
Through-bar current transformer 600/5 A

TUC 80 750/5A
VM743200
Through-bar current transformer 750/5 A

TUC 80 800/5A
VM744000
Through-bar current transformer 800/5 A

TUC 80 1000/5A
VM745700
Through-bar current transformer 1000/5 A

TUC 80 1200/5A
VM746500
Through-bar current transformer 1200/5 A

TUC 80 1500/5A
VM747300
Through-bar current transformer 1500/5 A

TUC 80 2000/5A
VM748100
Through-bar current transformer 2000/5 A

TUC 80 2500/5A
VM749900
Through-bar current transformer 2500/5 A

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Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 61010-1 • EN 61869-2 • EN IEC 61000-6-2 • EN IEC 61000-6-3 • EN IEC 63000

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