



# DIP 116

Automatic Dips Transformer  
for AXOS

*Datasheet*



**HAEFELY**

Current and voltage – our passion

# General Description

Voltage dips and short interruptions are caused by faults in the network, primarily short circuits, in installations or by sudden large changes of load. In certain cases, two or more consecutive dips or interruptions may occur. Voltage variations are caused by continuously varying loads connected to the network.

The DIP 116 is an Automatic Dips Single phase Transformer and can be used to simulate power supply failures as voltage interrupts, designed as the accessory compatible with AXOS<sup>5</sup>/AXOS<sup>8</sup>.

The DIP 116 has an independent connection to an external power supply via banana plugs. Once the setup is done it can be fully automatically controlled through the touch screen of the AXOS<sup>5</sup>/AXOS<sup>8</sup> when being in the menu field of the “Voltage Dips”.

Once detected, the recommended dip percent value (given by standard) can be programmed in the AXOS menu.

Features	Advantages
▪ Max. input voltage on L-N: 264 V <sub>AC</sub> @ 50/60 Hz	☑ <b>Plug and Play</b> – with Haefely AXOS <sup>5</sup> / AXOS <sup>8</sup>
▪ Max. input current : 16 A AC continuous (100%)	☑ <b>Convenience</b> – All interconnects cables included
▪ Interrupt dip levels: ( 0%, 40%, 70%, 80% ) of V <sub>in</sub>	
▪ Automatic control	

# Applications

- DIP 116 with AXOS<sup>5</sup>/AXOS<sup>8</sup> to easily do your pre- compliance evaluation or certification testing for AC (only) Dips and Interrupts.
- IEC/EN 61000-4-11: AC Dips and Interrupts
- Class 1 ~ Class 3 (Preferred test levels and durations for voltage dips and for short interruptions)

## Scope of Supply

- DIP 116 Module
- Blue bonding cable 0.25 m
- Black bonding cable 0.25 m
- Yellow/Green bonding cable 0.25 m
- Test Certificate
- Purple bonding cable 0.25 m
- Earth bonding cable 1 m
- D-sub 37p cable 1 m

## Technical Data

Device	
Mains Power Supply	Powered by AXOS <sup>5</sup> / AXOS <sup>8</sup>
Max. Input Current	16 A AC Continuous (100%) 20 A for 5 s 40 A for 3 s 500 A Inrush current
Switch Time (100 Ω)	1 μs – 5 μs

Environmental, Mechanical and Power Supply	
Dimensions (W x D x H)	450 x 490 x 140 mm (17.7 x 19.3 x 5.5 in)
Rack Size	19 in / 3HU – 5.25 in (133.35 mm)
Weight	21 kg Net. (46.3 lb)

## Global Presence

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HIGH VOLTAGE



INSTRUMENTS



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precision.  
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