



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 AXOS⁵/AXOS⁸.

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 AXOS⁵/AXOS⁸ 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 _{AC} @ 50/60 Hz	☑ Plug and Play – with Haefely AXOS ⁵ / AXOS ⁸
▪ Max. input current : 16 A AC continuous (100%)	☑ Convenience – All interconnects cables included
▪ Interrupt dip levels: (0%, 40%, 70%, 80%) of V _{in}	
▪ Automatic control	

Applications

- DIP 116 with AXOS⁵/AXOS⁸ 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 ⁵ / AXOS ⁸
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

Europe

HAEFELY AG
Birsstrasse 300
4052 Basel
Switzerland

☎ + 41 61 373 4111
✉ sales@haefely.com

China

HAEFELY AG Representative Office
8-1-602, Fortune Street, No. 67
Chaoyang Road, Beijing 100025
China

☎ + 86 10 8578 8099
✉ sales@haefely.com.cn

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HIGH VOLTAGE



INSTRUMENTS



EMC

precision.
swiss made.