

DAC® US Series

Citel's new SPD products

The DAC® US Series are universal Surge Protective Devices (SPDs) for the most demanding AC Power applications, protecting distribution networks up to 600 VAC from lightning and power switching transients.

GENERATIONAL DESIGN

Innovative Design of Internal Disconnection

The internal disconnection is the essential element of safety. The new concept, in case of internal heating, allows faster cut-off and reinforced insulation after disconnection.

Improved Contact Quality


SPDs conduct very high impulse currents and plug-in contacts must withstand these. Material quality, increased surface area, optimized elasticity and specific surface treatment are used to meet requirements.

Reinforced Internal Conductors


We have reduced internal impedances, improved contacts, and simplified and reinforced conductive parts.

High-Performance Plastic Materials

The choice of plastic materials is guided by normative compliance (fire resistance, environment), mechanical robustness and aesthetics.

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  YouTube



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NEW SURGE PROTECTORS

DAC® US Series

DAC100US

100kA I_{max}

DAC80US

80kA I_{max}



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KEY FEATURES

MOV and GSG Technologies

The series incorporates a combination of Metal Oxide Varistor (MOV) and proprietary Gas-Filled Spark Gap (GSG) technologies to maximize performance level and reliability.

DIN Rail Mounting

The symmetrical DIN Rail mounting allows for ease of installation of the surge protector.

Modular Format

Compact 18mm modules can easily be removed for replacement.

Voltage Selector

Avoid mistakes when replacing module.

Remote Signaling

This option is recommended when the arrester is not easily accessible. In case of safety disconnection of one or more modules, the internal contact switches and can activate any remote device.

Disconnection Indicator

At the end of its life, the surge protector disconnects from the network and must indicate its state. The indicator informs the user about the need to replace the module.

QR Code for Installation

The QR code refers to the product installation instruction allowing permanent availability of this essential document.

UL 1449 5TH EDITION TYPE 1 LISTED
10-YEAR WARRANTY
SCCR: 200kA

PART NUMBERS & VOLTAGES

1 Pole - 2 Wires

100kA I _{max}	80kA I _{max}	System Voltage
DAC101US-120	DAC81US-120	104V, 1
DAC101US-210	DAC81US-210	210V, 1
DAC101US-275	DAC81US-275	220V, 1
DAC101US-320	DAC81US-320	235V, 1
DAC101US-385	DAC81US-385	345V, 1
DAC101US-440	DAC81US-440	395V, 1

2 Pole - 3 Wires

100kA I _{max}	80kA I _{max}	System Voltage
DAC102US-120S	DAC82US-120S	120V, 1
DAC102US-120S/G	DAC82US-120S/G	120V, 1
DAC102US-230S	DAC82US-230S	230V, 1
DAC102US-230S/G	DAC82US-230S/G	230V, 1
DAC102US-120T/NN	DAC82US-120T/NN	120/240, 1S
DAC102US-240T/NN	DAC82US-240T/NN	240/480, 1S

1- SINGLE PHASE 1S- SPLIT PHASE
3Y- 3 PHASE WYE 3D- 3 PHASE DELTA
3H- 3 PHSE HI-LEG DELTA



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3 Pole - 4 Wires

100kA I _{max}	80kA I _{max}	System Voltage
DAC103US-120T	DAC83US-120T	120/240, 1S
DAC103US-120T/G	DAC83US-120T/G	120/240, 1S
DAC103US-120Y/NN	DAC83US-120Y/NN	120/208, 3Y
DAC103US-240T	DAC83US-240T	240/480, 1S
DAC103US-240T/G	DAC83US-240T/G	240/480, 1S
DAC103US-240Y/NN	DAC83US-240Y/NN	240/415, 3Y
DAC103US-277Y/NN	DAC83US-277Y/NN	277/480 3Y

4 Pole - 5 Wires

100kA I _{max}	80kA I _{max}	System Voltage
DAC104US-120Y	DAC84US-120Y	120/208, 3Y
DAC104US-120Y/G	DAC84US-120Y/G	120/208, 3Y
DAC104US-230Y	DAC84US-230Y	230/400, 3Y
DAC104US-230Y/G	DAC84US-230Y/G	230/400, 3Y
DAC104US-240Y	DAC84US-240Y	240/415, 3Y
DAC104US-240Y/G	DAC84US-240Y/G	240/415, 3Y
DAC104US-240D	DAC84US-240D	240, 3D
DAC104US-240D/G	DAC84US-240D/G	240, 3D
DAC104US-240DCT	DAC84US-240DCT	120/240, 3H
DAC104US-277Y	DAC84US-277Y	277/480, 3Y
DAC104US-277Y/G	DAC84US-277Y/G	277/480, 3Y
DAC104US-347Y	DAC84US-347Y	347/600, 3Y
DAC104US-480D	DAC84US-480D	480V, 3D
DAC104US-600D	DAC84US-600D	600V, 3D