

Nactus

Intelligent Surge Protector

Electrical surges from lightning storms, power disturbances and other exceptional circumstances often cause severe failures in electronic equipment if power lines are not adequately protected.

With Nactus you can protect your power lines against surge pulses up to 30kA.



What is it

Nactus Surge Protector is an intelligent surge protector designed for power lines protection. It provides class II (C, T2) protection for both common and differential mode disturbances. Power line distribution option is also available.

With Nactus Surge Protector the weakened protection level is indicated via an integrated alarm signal feature.

Nactus is designed to protect systems up to 8kW, and protects against surge pulses up to 30kA. Nactus can be used in e.g. telecommunication industry and solar systems.

Where's the Benefit

Nactus Intelligent Surge Protector protects the electronic equipment all times. The integrated alarm signal is given in case of weakened protection level, but Nactus continues to work even after the alarm signal has been given.

As a separate protection module inside Nactus is also easy and fast to change without power interruptions.

Nactus Surge Protector is compact in size and has various usage possibilities.

More information:

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Technical Data

Technical Details

- Dimensions (l x d x h)
91x160x160mm (3.58x6.3x6.3in)
- Operating temperature -35...+55°C (-31...131°F)
- Operating voltage range 36-57VDC (can be customized)
- Max continuous current 150A
- Cable diameter up to 50mm² (AWG1/0)
- IEC test classification II, T2
- Max discharge current I_{max} 30kA 8/20us
- Nominal discharge current I_{nom} 15kA 8/20us
- Protection level, differential mode 400V at I_{max}
- Protection level, common mode 800V at I_{max}
- Housing material UP polyester
- IP66

Features

- High current output capacity
- Option to use as power distribution unit
- Fast and easy installation
- Protection module change is quick with no power interruption
- Warning for weakened protection level
- Galvanic isolated alarm signal
- Compact size

- Various usage possibilities
 - Input 150A → Output 150A
 - Input 150A → Output 2x75A
 - Input 150A → Output 100+50A

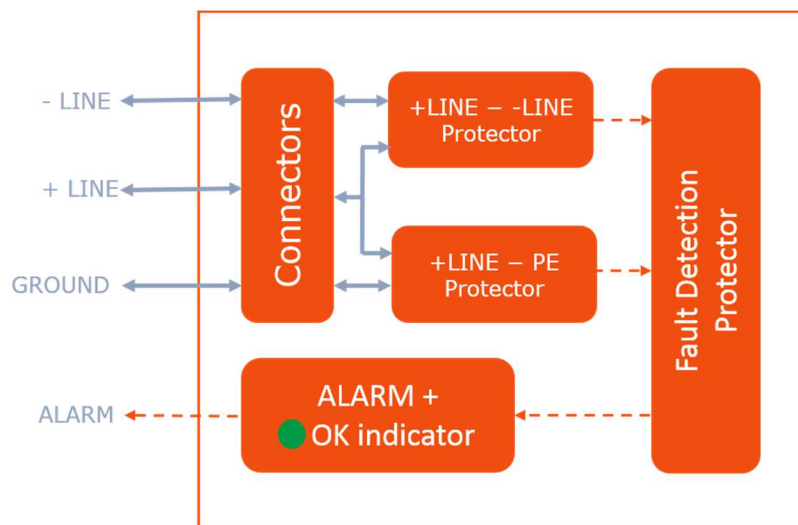
Standards

- IEC 61643-1
- IEC 60364-4-443

Alarm Details

Alarm	Full Protection Level	Weakened Protection Level
Visual indicator LED	ON, stable green	OFF, no light
Alarm relay, mode 1	Closed	Open
Alarm relay, mode 2	Open	Closed

Functionality



More information: