INNOFLOW

SURGE PROTECTION DEVICE

HDY3N

Series overview

Surge Protection Device for electrical distribution and control applications.

Select the exact rating, pole arrangement and operating configuration for the application.



Specification summary

Device type	Surge protection device
Configuration	Multiple discharge-current and pole variants
Selection	Select Uc, In and Imax for the exact configuration.

Technical information

Selected dimension and connection drawings follow. Match each drawing to its stated frame and pole configuration.

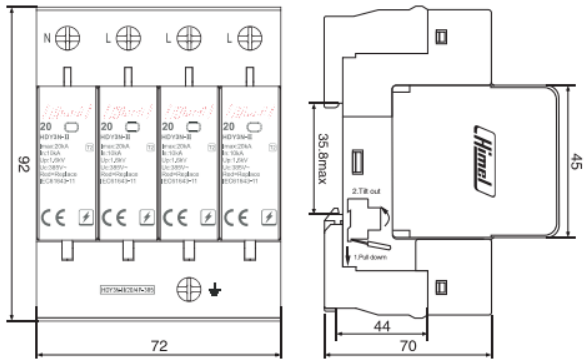
HDY3N

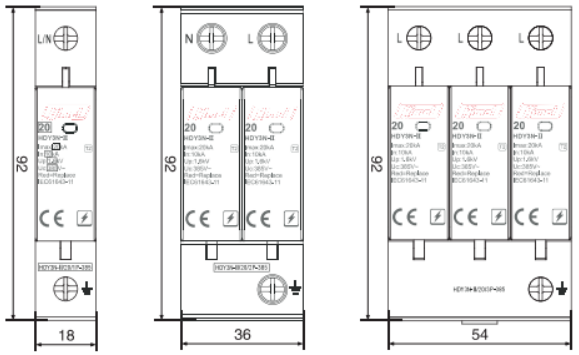
DIMENSIONS & TECHNICAL REFERENCE

- Ambient air temperature-20℃ ~ +60℃, limiting temperature-40℃ ~ +70℃;
- Relative humidity: 30% ~ 90% at room temperature;
- When being transported, the product should be handled with care without upside down or intense collision.

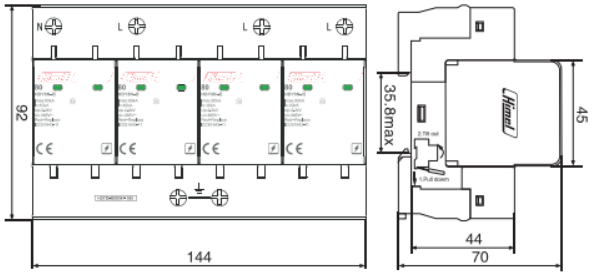
Product Installation

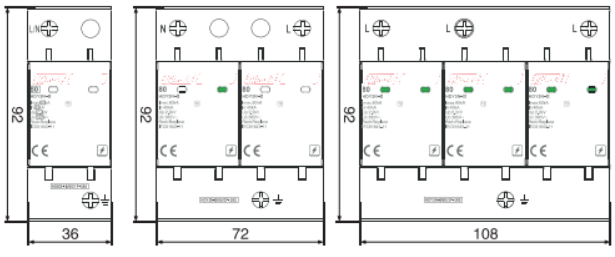
Overall and installation dimensions





Overall Dimension of HDY3N-20, 40 and 65



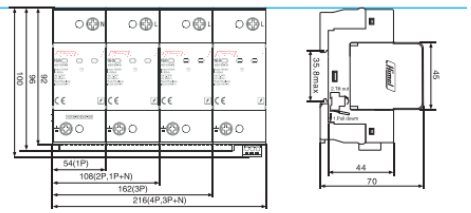


Overall Dimension of HDY3N-80 and 120

Use the stated units and configuration. Drawings are reproduced from the authorized technical source.

HDY3N

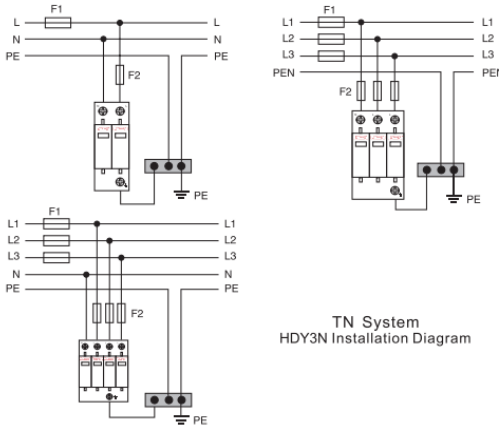
DIMENSIONS & TECHNICAL REFERENCE



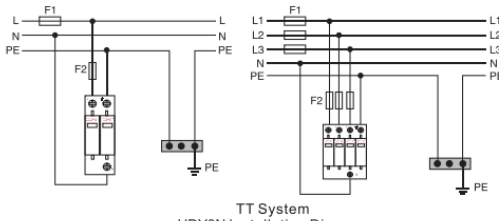
Overall Dimension of HDY3N-160

Debugging and Operation

- Before installation, please check if the technical specifications of product meet the requirements and the product is damaged;
- Connect the wires according to the pad printed marks;
- The recommended cross-sectional areas of connecting conductors a earth wire ⩾10mm², live/null line⩾4mm², Class 1zone live/null lin 6mm², the conductor from distribution box to grounding strip ⩾16mr
- Installation diagram of HDY3N surge protective devices in different electrical systems:



TN System
HDY3N Installation Diagram



TT System
HDY3N Installation Diagram

Maintenance and Care

The maintenance and care must be implemented by qualified persons; Make sure that the product is electrically neutral during maintenance a care;
The maintenance and care should be conducted before thunderstо season and after a lightning strike, with maintenance details shown in following table

Maintenance and care

Item	Content
Appearance	No dust or condensation, and clean if any No damage No discoloring shell and connection terminals Normal if the indication window shows green(NPE shows yellow), red means being damaged;
Terminal connections	Screw up as per the torque2.5N•m, without loosening

Use the stated units and configuration. Drawings are reproduced from the authorized technical source.