

Catalogue No: **MOD6-SD2-40-230**

SURGE DIVERTER MOD6 1P+N 40kA

Power Distribution and Protection > Switchboard Monitoring > Surge Protection > MOD6 Electrical Network Surge Diverters



Representative Photo Only
(actual product may vary based on configuration selections)

MOD6 surge diverter, 1P+N, 40kA, DIN mount, 2 modules wide

- MOD6 Electrical Network Diverters are a range of devices for discharging induced transient overvoltages (Type 2 / Class II), in accordance with IEC 61643-11
- DIN rail plug-in format
- Suitable for the second stage of protection in supply distribution panels in which Type 1 protection devices are installed, or for the first stage of protection in residential, commercial or other applications not exposed to direct strikes and with no external lightning protection system
- High discharge capacity with an 8/20 μ s waveform. Imax: 40 kA or 30 kA
- Remote and visual indication of life status of the protection device
- Biconnect - two types of terminal: for rigid or flexible cable and for fork type comb busbar

SPECIFICATIONS

| | |
|---|-----------------------------|
| Product Series | MOD6 |
| Component Type Surge Protection | Electrical Network Diverter |
| Number of Poles | 2 |
| Poles | 1P + N |
| Number of DIN Modules | 2 |
| Un, Nominal Operational Voltage, AC | 230 V AC |
| Un, Nominal Voltage, AC, L-L | 230 V AC |
| Uc, Continuous Operating Voltage, AC, Max | 275 V AC |
| In, Discharge Current, (8/20) L-N, Nom | 20 kA |
| Imax, Discharge Current, (8/20) L-N, Max | 40 kA |
| Icc, Current, Short Circuit Withstand | 25 kA |
| Fuse Current Rating, Max | 80 A |
| Protection Classification Standard | IEC 61643-11 |
| Up, Voltage Protection Level | 1.3 kV @In |
| Rated Frequency | 50 / 60 Hz |
| Protection Modes | L+N-PE modes |
| Protection class | 2 |
| Replaceable Modules | No Y/N |
| Visual Indication | Yes Y/N |
| Indicator Type | Red / Green Flag |
| Remote Monitoring | Yes Y/N |
| Monitoring Contact Configuration | 1 CO Contact |
| Mounting | DIN-35 Rail Mount |
| Wire / Conductor Size, Flex Cable, Min | 6 mm ² min |
| Wire / Conductor Size, Flex Cable, Max | 25 mm ² max |
| Wire / Conductor Size, Rigid Cable, Min | 6 mm ² min |
| Wire / Conductor Size, Rigid Cable, Max | 35 mm ² max |
| Colour, Body / Housing | Grey Anthracite colour |



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| | |
|----------------------------|-----------------------------|
| IP Rating | IP20 |
| tA, Response time (L-N) | 25 ns |
| tA, Response time (N-PE) | 100 ns |
| Tightening Torque, Nominal | 4 Nm |
| Height | 90 mm |
| Width | 36 mm |
| Depth | 70 mm |
| Operating Temperature, Min | -40 °C min |
| Operating Temperature, Max | 80 °C max |
| Standards Compliance | IEC 61643-1 IEC 61643-11 |

REFERENCES

IECEx Certificate -

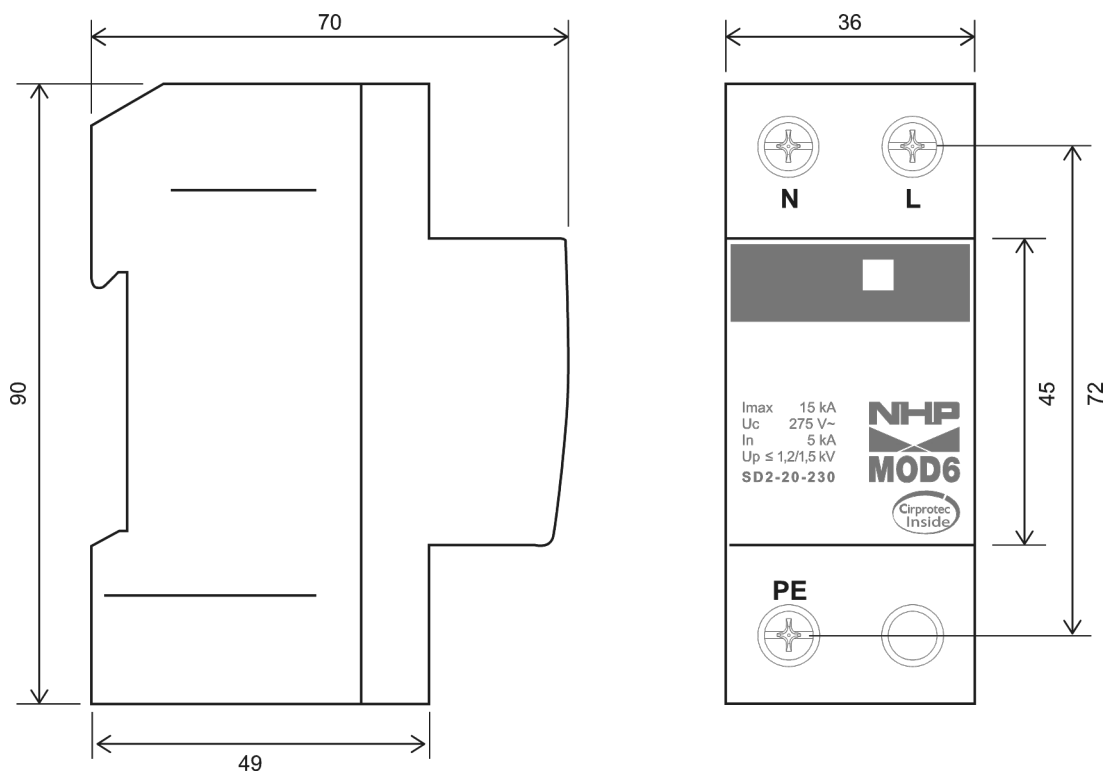
Supplier Declaration of Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue & Product Selection: -

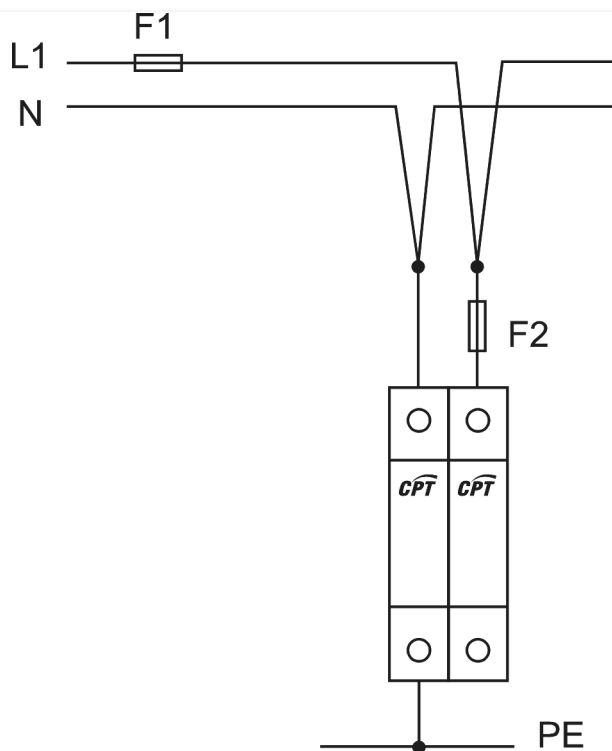


Dimension Diagram

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Connection / Wiring Diagram