

# SPDS Compact Surge Protection Devices

IMO

Technical Datasheet

## Key Features

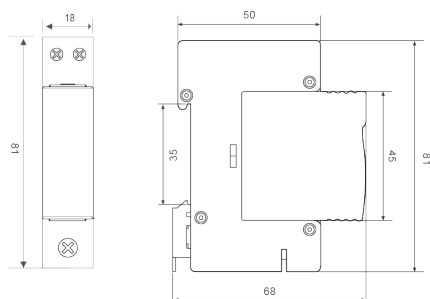
- Single module size (1P+N)
- Protects all earthing systems - TN, TT, IT - Type 2/3
- Suitable for 20kA & 40kA systems



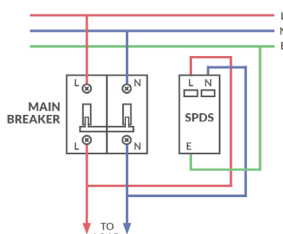
## SPDS Technical Data

|                                   | Universal Protection - Available From Stock | Other Configuration                         |
|-----------------------------------|---------------------------------------------|---------------------------------------------|
| Part Number                       | SPDS-201N                                   | SPDS-401N                                   |
| Max. continuous operating voltage | 275V AC (L-N) , 255V AC (N-PE)              | 275V AC (L-N) , 255V AC (N-PE)              |
| Max. discharge current            | 20kA                                        | 40kA                                        |
| Nominal discharge current         | 10kA                                        | 20kA                                        |
| Voltage protection                | 1.2kV                                       | 1.5kV                                       |
| Fuse Or Circuit Breaker           | 20A                                         | 32A                                         |
| Combination method                | 1 + 1                                       | 1 + 1                                       |
| Short circuit current             | 500 A                                       | 500 A                                       |
| Status indicator                  | Green window: Healthy / Red window: Replace | Green window: Healthy / Red window: Replace |
| Wiring capacity                   | 2.5mm (L-N), 4mm (N-PE)                     | 2.5mm (L-N), 4mm (N-PE)                     |
| Degree of protection (IP code)    | IP20                                        | IP20                                        |
| Power supply network              | TN, TT, IT                                  | TN, TT, IT                                  |
| Mounting                          | Symmetrical Rail (EN50022/DIN46277-3) 35mm  | Symmetrical Rail (EN50022/DIN46277-3) 35mm  |
| Ambient temperature               | -40°C + 80°C                                | -40°C + 80°C                                |
| Ambient humidity                  | 5%-95%                                      | 5%-95%                                      |
| Altitude                          | < 2000m                                     | < 2000m                                     |
| Standard conformity               | IEC61643-11:2011, EN61643-11:2012           | IEC61643-11:2011, EN61643-11:2012           |

## Dimensions (mm)



## Wiring Diagram



## Electrical Diagram

