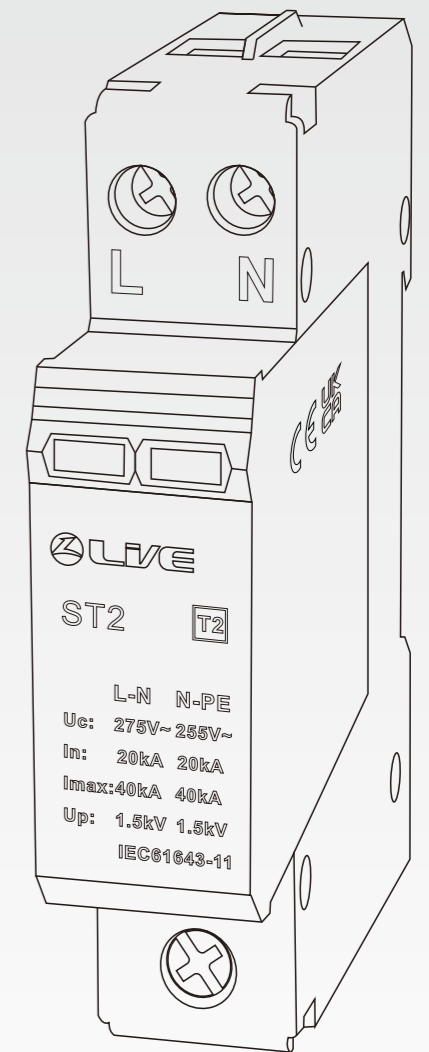


© Product installation and operation guide



## ST2

# Type 2 Single Phase Surge Arrester



LIVE ELECTRICAL DISTRIBUTION UK LTD

ADD: Unit 4, Queensmead Place, Trafford Park, Manchester, M17 1PH

Tel: 0161 870 2592 Web: [www.liveelectrical.co.uk](http://www.liveelectrical.co.uk)

E-mail: [sales@liveelectrical.co.uk](mailto:sales@liveelectrical.co.uk)



Ensure that these instructions are made available to the end user for future reference.

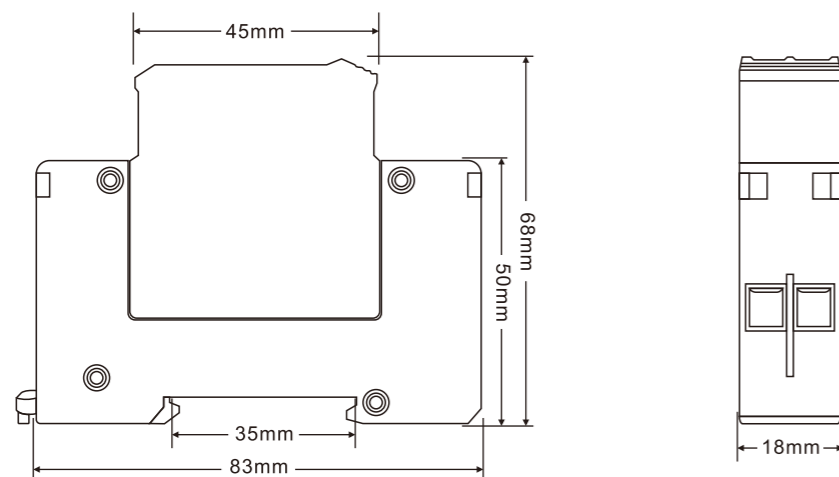
## Fused Main Switch Instruction



### Unit Dimension

Part No.	Description	Box Qty
ST2	Type 2 Single Phase Surge Arrester	240

### Product Dimension



### CAUTION

WHEN CONDUCTING INSULATION RESISTANCE TESTING WITH SPD FITTED IT IS RECOMMENDED EITHER **THE EARTH CONNECTION OR THE PLUG IN CARTRIDGE IS REMOVED**

IF YOU DO NOT WISH TO REMOVE THE CARTRIDGE OR EARTH CONNECTION, THEN TESTING MUST BE AT A **MAXIMUM OF 250V DC**.

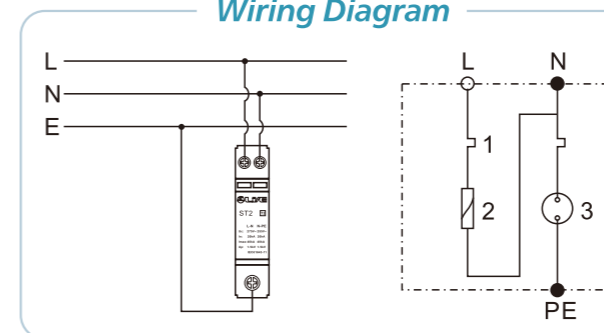
### Technical Parameters

SPD According to	IEC61643-11 EN61643-11
Maximum Continuous Operating Voltage UCV	275V
Voltage Protection Level Up 3kA (8/20us)kA	< 1.5kV
Nominal Discharge Current in (8/20us)kA	L-N 5kA N-PE 20kA
Response Time	L-N < 25ns N-PE < 100ns
Dimensions	W 18mm x H 81mm x D 68mm
Degree of Protection	IP20
Recommended Backup MCB/Fuse	32A or Less
Terminal Capacity	1.5-6mm <sup>2</sup>
Visual Indication of Status	Green: OK Red: Replace Module
DIN Rail Mountable	Yes

### Installation

- Cable size 1.5mm<sup>2</sup>min. - 6mm<sup>2</sup>max.
- Cable connecting length max. 500mm / shorter if possible
- Connect to 32amp MCB B or C curve
- Neutral connection to neutral bar
- Earth connection to earth bar
- These SPD's are connected in parallel not series so can be used on any rating of current
- When carrying out insulation test, remove earth cable to device, or remove module, or do test at reduced voltage 250V DC max. Failure to abide by this advice may damage the arrester.
- Please note these devices are earth leakage free and may be connected before or after RCD's, RCBO's etc.
- These surge arresters are ideal for domestic installations
- You only need one arrester per board and all your outgoing circuits on that board will be protected
- This product can be used on TNS, PME, TT systems
- This surge arrester is easy to install, just connect it in parallel to your board, see the diagram above.

### Wiring Diagram



**Before fitting the front cover, check all connections are tight**

**USER GUIDE MUST BE LEFT WITH THE UNIT FOR FUTURE REFERENCE**

### Notes:

After installation and testing of this product it is essential that the INSTRUCTION LEAFLET is available for reference.