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BG ELECTRICAL CUSPDT21-B Type 2 Single Phase Surge Arrester Main Switch Consumer Unit with SPD Instruction Manual

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Single Phase Surge Arrester Main Switch Consumer Unit with
SPD Instruction Manual

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BG ELECTRICAL CUSPDT21-B Type 2 Single Phase Surge Arrester Main Switch Consumer Unit with SPD



Fortress Circuit Protection Type 2 Single Phase Surge Arrester

The Fortress Circuit Protection Type 2 Single Phase Surge Arrester is a device that protects your electrical equipment from voltage spikes, surges, and transients that may occur in your electrical system. It is fully compliant with BSEN61643, BSEN62305, and the latest requirements of the 18th Edition Wiring Regulations BS7671.

The Part NO. for this product is CUSPDT21/B.

Installation Notes for Guidance

- The cable connecting length should be a maximum of 500mm or shorter if possible.
- Connect to a 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 an 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.
- CUSPDT21 can be used on TNS, PME, TT systems.

Product Specifications

- Response time: <1.5kV
- Torque: L- N 20kA N-PE 20kA L- N 40kA N-PE 40kA
- Dimensions: DIN rail mountable
- Degree of protection
- Recommended backup MCB/fuse
- Terminal capacity
- Visual indication of status: IEC61643-11 EN61643-11
- 275V

Product Usage Instructions

The Fortress Circuit Protection Type 2 Single Phase Surge Arrester is easy to install. Just follow the below instructions:

1. Connect the device to a 32amp MCB b or c curve.
2. Connect the neutral wire to the neutral bar.
3. Connect the earth wire to the earth bar.
4. Ensure that the cable connecting length is a maximum of 500mm or shorter if possible.
5. Make sure that these SPD's are connected in parallel, not in series, so they can be used on any rating of current.
6. If carrying out an insulation test, remove the earth cable to device, or remove the module, or do the test at reduced voltage 250V DC max. Failure to abide by this advice may damage the arrester.
7. These devices are earth leakage free and may be connected before or after rcd's, rcbo's etc.
8. These surge arresters are ideal for domestic installations.
9. You only need one arrester per board, and all your outgoing circuits on that board will be protected.
10. CUSPDT21 can be used on TNS, PME, TT systems.

Fully Compliant to BSEN61643, BSEN62305 and the latest requirements of the 18th Edition Wiring Regulations BS7671

Product Installation notes for guidance

- Cable Size 1.5mm² min. – 6mm² 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
- CUSPDT21 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 below

Specifications

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 (8/20μs)kA L- N 20kA N-PE 20kA

Max.discharge current I_{max}(8/20μs)kA L- N 40kA N-PE 40kA

Response time L- N <25ns N-PE<100ns

Torque PE:2.0Nm L&N:1.2Nm

Dimensions W18mm x H81mm x D88mm

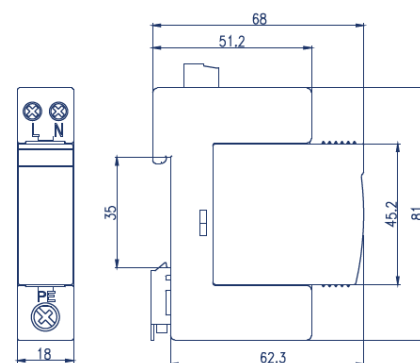
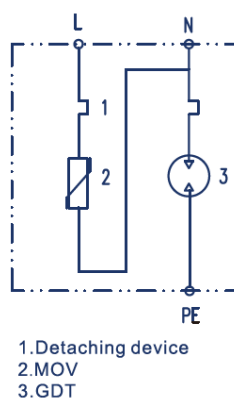
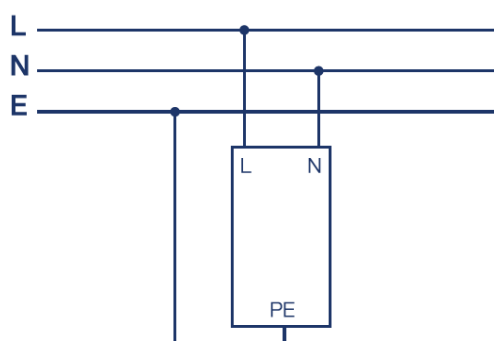
Degree of protection IP20

Recommended backup MCB/fuse 32A

Terminal capacity 1.5-6mm²

Visual indication of status
Green; 0k
Red; Replace Module

DIN rail mountable Yes



Batch Code Explanation

yyWxx: Manufacturing date code; year of manufacturing (y) and week of manufacturing (Wxx)

Address/Helpline

Luceco PLC
Stafford Park 1
Telford TF3 3BD
ENGLAND

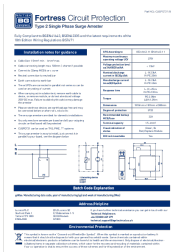
If you have further technical assistance you can get in touch with our
Technical Helpline on:
+44 (0)3300 249 279
technical.support@bgelectrical.co.uk

Environmental Protection



This symbol is known as the “Crossed-out Wheelie Bin Symbol”. When this symbol is marked on a product or battery. It means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/electronic products or batteries can be harmful to health and the environment. Only dispose of electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.

Documents / Resources



[BG ELECTRICAL CUSPDT21-B Type 2 Single Phase Surge Arrester Main Switch Consumer Unit with SPD](#) [pdf] Instruction Manual
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