



SURGE ARRESTER TYPE 2 REQUIREMENT CATEGORY C,  
UC 350V PLUG-IN PROTECTION BLOCKS 4POLE,  
3+1 CIRCUIT FOR TN-S AND TT SYSTEMS

Similar to image

| Technical data:                                               |     |                |
|---------------------------------------------------------------|-----|----------------|
| product brand name                                            |     | SETRON         |
| Design of the product                                         |     | Surge arrester |
| Operating voltage                                             |     |                |
| • with AC / nominal value                                     | V   | 240            |
| Continuous operating voltage / with AC / maximum              | V   | 350            |
| Supply voltage frequency                                      | Hz  | 50 ... 60      |
| Protection level                                              |     |                |
| • between N and L                                             | kV  | 1.4            |
| • between PE and N and/or L                                   | kV  | 1.5            |
| Apparent power consumption / in standby mode                  | mVA | 3.5            |
| Impulse discharge current                                     |     |                |
| • for 1-phase / at (8/20) µs / maximum                        | kA  | 20             |
| • between N and PE / for 1-phase / at (8/20) µs / rated value | kA  | 20             |
| • between L and N / for 1-phase / at (8/20) µs / maximum      | kA  | 40             |
| • between N and PE / for 1-phase / at (8/20) µs / maximum     | kA  | 40             |
| Surge withstand capability / at 6 kV / at (8/20) µs           | kV  | 1.5            |
| Residual voltage                                              |     |                |
| • at (8/20) µs                                                | kV  | 1.4            |

|                                                                                      |                 |                      |
|--------------------------------------------------------------------------------------|-----------------|----------------------|
| • between L and PE / at (8/20) $\mu$ s                                               | kV              | 1.6                  |
| • between L and PE / at (8/20) $\mu$ s                                               | kV              | 0.5                  |
| • at 10 kA / at (8/20) $\mu$ s                                                       | kV              | 1.2                  |
| • between L and PE / at 10 kA / at (8/20) $\mu$ s                                    | kV              | 1.3                  |
| • between N and PE / at 10 kA / at (8/20) $\mu$ s                                    | kV              | 0.3                  |
| • at 5 kA / at (8/20) $\mu$ s                                                        | kV              | 1.1                  |
| • between L and PE / at 5 kA / at (8/20) $\mu$ s                                     | kV              | 1.2                  |
| • between N and PE / at 5 kA / at (8/20) $\mu$ s                                     | kV              | 0.25                 |
| • at 3 kA / at (8/20) $\mu$ s                                                        | kV              | 1                    |
| • between L and PE / at 3 kA / at (8/20) $\mu$ s                                     | kV              | 1.1                  |
| • between N and PE / at 3 kA / at (8/20) $\mu$ s                                     | kV              | 0.2                  |
| <b>Voltage Protection Rating (VPR) / according to UL 1449</b>                        | V               | 900                  |
| <b>Limit voltage</b>                                                                 |                 |                      |
| • at puls curve shape C3 / at (20 kV/10 kA) / according to IEEE C 62.41 and BS 6651  | kV              | 1.2                  |
| • at puls curve shape C2 / at (10 kV/5 kA) / according to IEEE C 62.41 and BS 6651   | kV              | 1.1                  |
| • at puls curve shape B3/C1 / at (6 kV/3 kA) / according to IEEE C 62.41 and BS 6651 | kV              | 1                    |
| <b>Dead time</b>                                                                     | ns              | 25                   |
| <b>Degree of pollution</b>                                                           |                 | 2                    |
| <b>Overvoltage category / according to IEC 61010-1</b>                               |                 | III                  |
| <b>Product component / fuse</b>                                                      |                 | No                   |
| <b>Protection class IP</b>                                                           |                 | IP20                 |
| <b>Insulation material</b>                                                           |                 | PA 6.6               |
| <b>Combustibility class acc. to UL 94</b>                                            |                 | V0                   |
| <b>Type of fusing / at input for supply voltage</b>                                  |                 | 125 gL/gG            |
| <b>Short-circuit firmness</b>                                                        |                 | For 125gL: 25 kA rms |
| <b>Ambient temperature</b>                                                           | °C              | -40 ... +80          |
| <b>Mounting type</b>                                                                 |                 | Rail-mountable NS 35 |
| • for rigid conductor / maximum                                                      | mm <sup>2</sup> | 35                   |
| • for rigid conductor / minimum                                                      | mm <sup>2</sup> | 0.5                  |
| • maximum                                                                            | mm <sup>2</sup> | 25                   |
| • minimum                                                                            | mm <sup>2</sup> | 0.5                  |
| <b>Connectable AWG conductor cross-section / as coded AWG spec. / for grounding</b>  |                 |                      |
| • finely stranded                                                                    | mm <sup>2</sup> | 20 ... 2             |
| <b>Product component / remote-signaling contact</b>                                  |                 | No                   |
| <b>Size of the surge arrester</b>                                                    |                 | 4MW                  |
| <b>SPD classification / according to EN 61643-11</b>                                 |                 |                      |
| • Test Class I, Type 1                                                               |                 | No                   |

- test class II type 2
- Test Class III, Type 3

|            |       |
|------------|-------|
|            | Yes   |
|            | No    |
| Net weight | g 415 |

#### Certificates/approvals:

| General Product Approval | Declaration of Conformity | other |
|--------------------------|---------------------------|-------|
|--------------------------|---------------------------|-------|



[Environmental Confirmations](#)

#### Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SD7464-0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

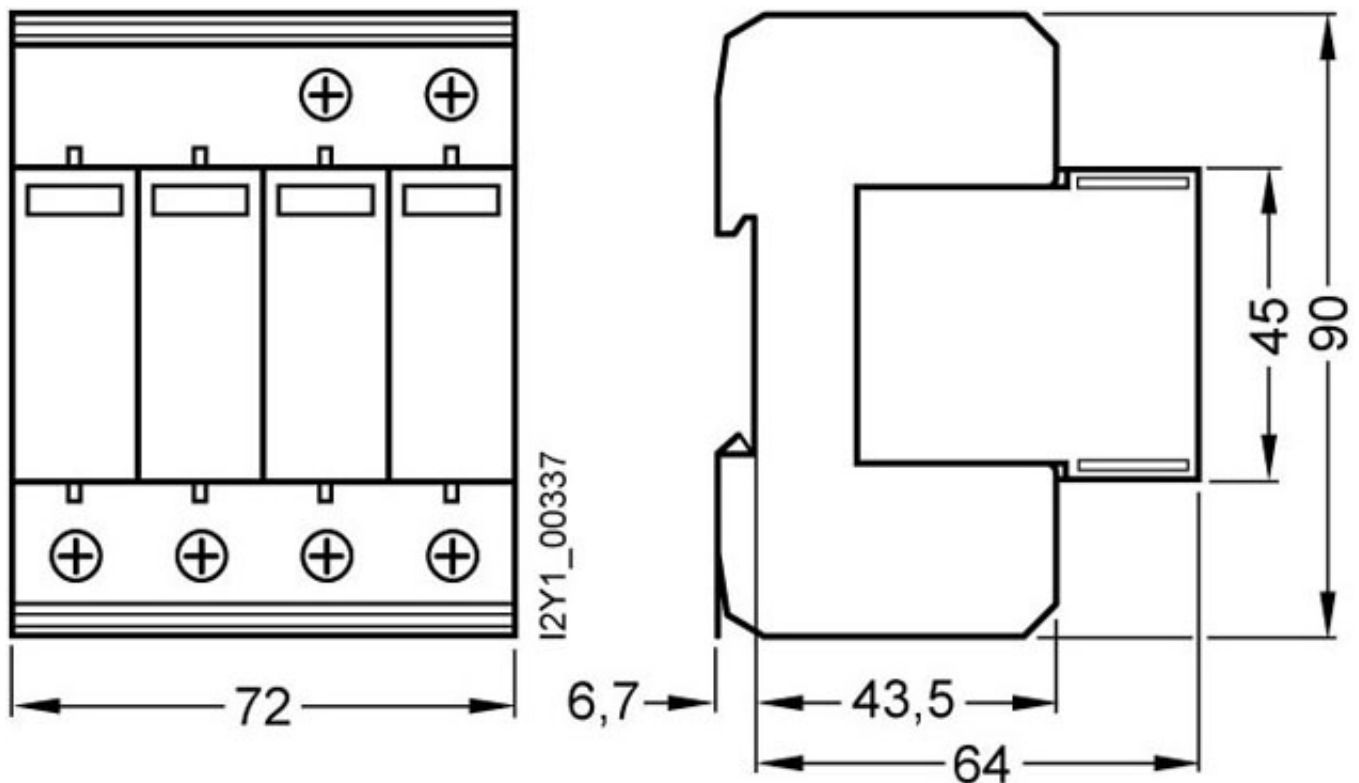
<http://support.automation.siemens.com/WW/view/en/5SD7464-0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SD7464-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7464-0)

CAX-Online-Generator

<http://www.siemens.com/cax>



last change:

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