



surge arrester UL, type 1 4-pole, 600Y/347V (wye) with remote signaling contact  
The device only has cULus certification and no CE marking

| General data   |                                   |
|--|-----------------------------------|
| number of SPD ports                                      | 1                                 |
| design of the product                                    | Surge arrester                    |
| design of pole   | 4                                 |
| fastening method   | TH35 DIN rail                     |
| material of the enclosure                                | thermoplast                       |
| size of surge arrester                                   | 4 TE                              |
| protection class IP at connection all terminals          | IP20                              |
| relative humidity during operation                       | 0 ... 95 %                        |
| installation altitude at height above sea level maximum  | 2 000 m                           |
| width  | 72 mm                             |
| height   | 90 mm                             |
| depth  | 66 mm                             |
| net weight   | 473 g                             |
| Electrical data  |                                   |
| <b>operating voltage</b>                                 |                                   |
| • at AC  | 347 V                             |
| value range of the operating frequency                   | 50 / 60 Hz                        |
| discharge current 1 phase at (8/20) $\mu$ s maximum      | 50 kA                             |
| <b>protection level</b>                                  |                                   |
| • between L and L maximum                                | 3 kV                              |
| • between L and N maximum                                | 1.5 kV                            |
| • between L and PE maximum                               | 2 kV                              |
| • between N and PE maximum                               | 0.6 kV                            |
| Connections/ Terminals                                   |                                   |
| type of electrical connection                            | Screw terminal                    |
| stripped length  | 12 mm                             |
| tightening torque  | 4 ... 5.1 N·m                     |
| <b>connectable conductor cross-section</b>               |                                   |
| • for finely stranded conductor                          | 2.5 ... 25 mm <sup>2</sup>        |
| • for rigid conductor                                    | 2.5 ... 25 mm <sup>2</sup>        |
| • finely stranded  | 2.5 ... 25 mm <sup>2</sup>        |
| AWG number as coded connectable conductor cross section  | 14 ... 4                          |
| signal design  | Optical, remote signaling contact |
| Indicator/remote signaling                               |                                   |
| type of voltage supply                                   | NEC class 2 circuits              |
| product component remote signaling contact               | Yes                               |
| switching function of the remote signaling contacts      | changeover contact                |
| connectable conductor cross-section for remote signaling | 0.34 ... 1.5 mm <sup>2</sup>      |

|   |  |
|---|--|
| contacts for rigid conductor  |  |
| connectable conductor cross-section for remote signaling contacts for finely stranded conductor | 0.34 ... 1.5 mm <sup>2</sup>             |
| AWG number as coded connectable conductor cross section for remote signaling contacts           | 22 ... 16                                |
| tightening torque for remote signaling contacts   | 0.2 N·m                                  |
| <b>NEMA/UL - Data</b>   |  |
| short-circuit rating (SCCR) according to UL   | 200 kA                                   |
| type of surge protective device (SPD) according to UL   | open type 1 SPD                          |
| <b>Maximum Continuous Operating Voltage (MCOV)</b>  |  |
| • between L and L   | 1 020 V                                  |
| • between L and Ground (GND)  | 690 V                                    |
| • between L and N   | 510 V                                    |
| • between N and Ground (GND)  | 180 V                                    |
| <b>discharge current</b>  |  |
| • between N and Ground (GND) according to UL rated value  | 20 kA                                    |
| • between L and N according to UL rated value   | 20 kA                                    |
| • between L and Ground (GND) according to UL rated value  | 20 kA                                    |
| • between L and L according to UL rated value   | 20 kA                                    |
| <b>tightening torque [lbf·in]</b>   |  |
| • with screw-type terminals   | 35 ... 45 lbf·in                         |
| • for remote signaling contacts   | 3 lbf·in                                 |
| stripped length [in]  | 0.5 in                                   |
| <b>AWG number as coded connectable conductor cross section</b>                                  |  |
| • according to UL   | 14 ... 4                                 |
| • for remote signaling contacts according to UL   | 22 ... 16                                |
| <b>ambient temperature</b>  |  |
| • during operation  | -40 ... +85 °C                           |
| • during storage  | -40 ... +85 °C                           |
| installation altitude above sea level according to UL   | 6 562 ft                                 |
| gross weight [lb] according to UL   | 1.06 lb(av)                              |
| net weight [lb] according to UL   | 1.01 lb(av)                              |
| combustibility class according to UL 94   | V0                                       |
| standards according to UL   | UL 1449 Edition 5; CSA - C22.2 No. 269.1 |

#### Approvals Certificates

|                          |       |
|--------------------------|-------|
| General Product Approval | other |
|--------------------------|-------|

[Confirmation](#)



[Confirmation](#)



#### Environment

[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

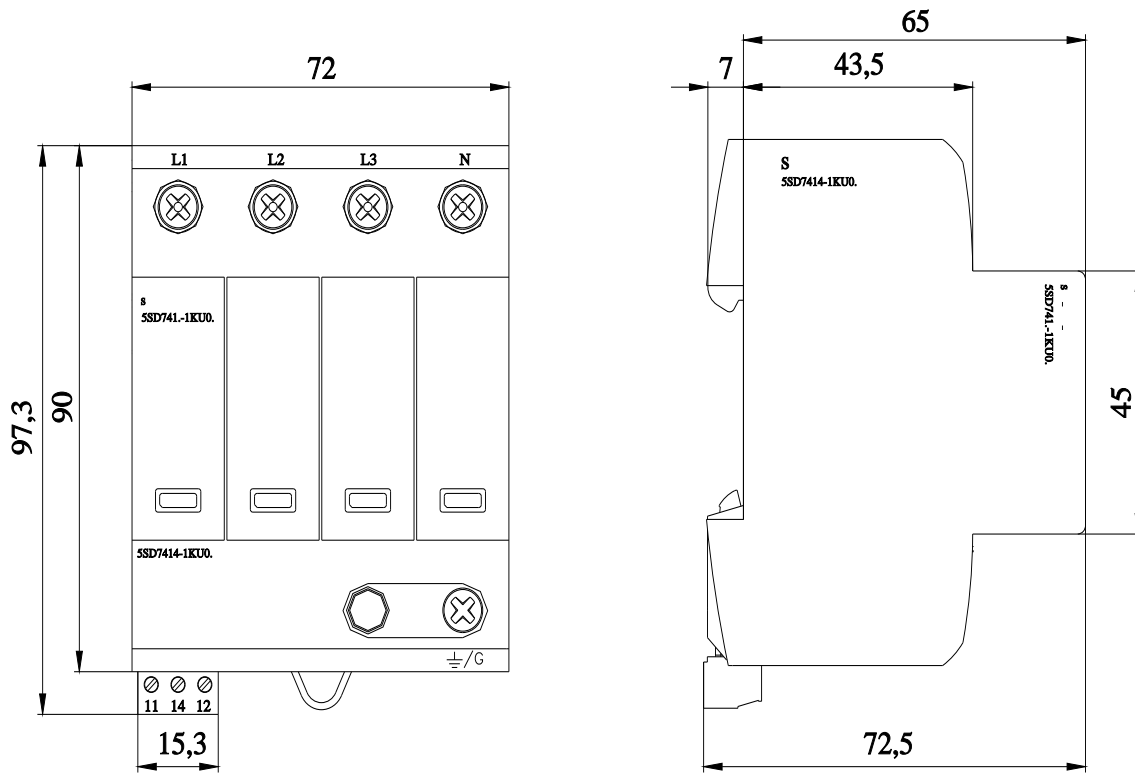
Information- and Downloadcenter (Catalogs, Brochures,...)

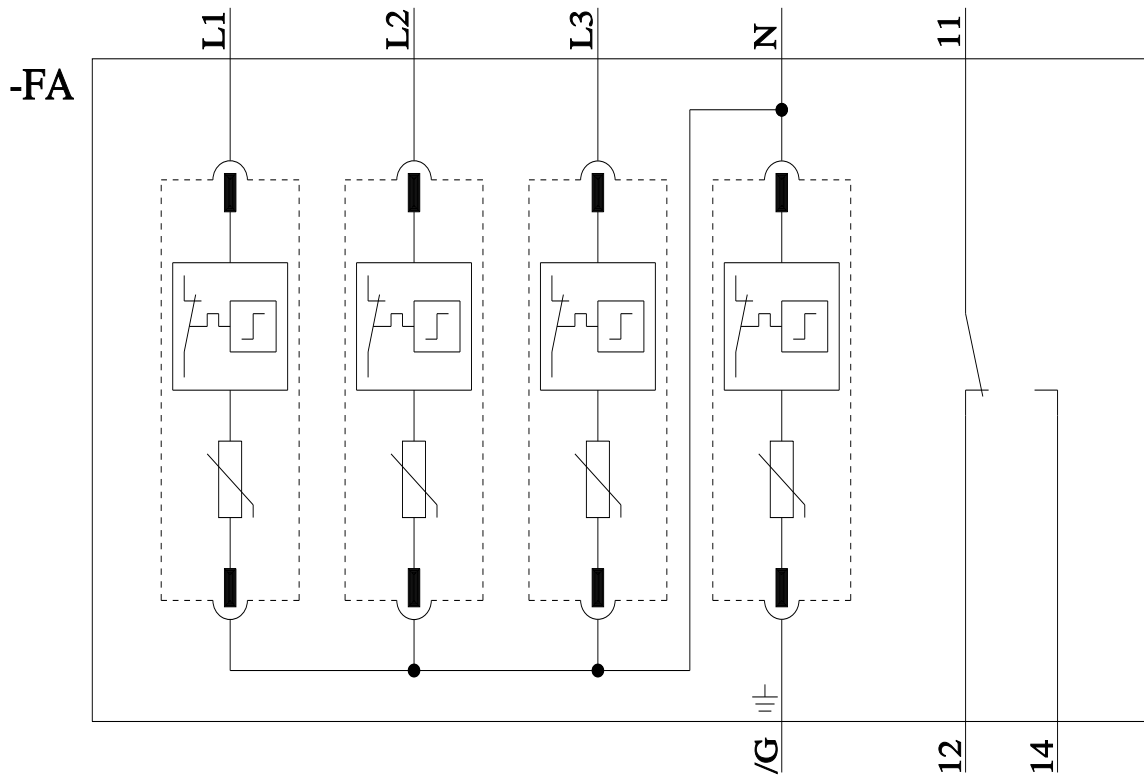
<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SD7414-1KU03>

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





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