



surge suppressor, varistor with LED, 48-127 V AC, 50/60 Hz, 24-70 V DC, for contactors 3RT2.1 and auxiliary contactors 3RH2

|                                                        |                                                     |     |                   |
|--------------------------------------------------------|-----------------------------------------------------|-----|-------------------|
| product brand name                                     | SIRIUS                                              |     |                   |
| product category                                       | Surge suppressor                                    |     |                   |
| product designation                                    | Varistor with LED                                   |     |                   |
| product type designation                               | 3RT29                                               |     |                   |
| suitability for use                                    | for 3RT2.1 contactors and 3RH2 auxiliary contactors |     |                   |
| General technical data                                 |                                                     |     |                   |
| certificate of suitability                             | CE / UL / CSA                                       |     |                   |
| size of contactor                                      | S00                                                 |     |                   |
| Substance Prohibitance (Date)                          | 10/01/2009                                          |     |                   |
| SVHC substance name                                    | Lead - 7439-92-1                                    |     |                   |
| Net Weight                                             | 0.006 kg                                            |     |                   |
| type of voltage of the control supply voltage          | AC/DC                                               |     |                   |
| control supply voltage at AC                           |                                                     |     |                   |
| • at 50 Hz rated value                                 | 48 ... 127 V                                        |     |                   |
| • at 60 Hz rated value                                 | 48 ... 127 V                                        |     |                   |
| control supply voltage frequency                       |                                                     |     |                   |
| • 1 rated value                                        | 50 Hz                                               |     |                   |
| • 2 rated value                                        | 60 Hz                                               |     |                   |
| control supply voltage at DC rated value               | 24 ... 70 V                                         |     |                   |
| design of the surge suppressor                         | Varistor                                            |     |                   |
| Ambient conditions                                     |                                                     |     |                   |
| ambient temperature                                    |                                                     |     |                   |
| • during operation                                     | -25 ... +60 °C                                      |     |                   |
| • during storage                                       | -40 ... +80 °C                                      |     |                   |
| Environmental footprint                                |                                                     |     |                   |
| Environmental Product Declaration(EPD)                 | Yes                                                 |     |                   |
| global warming potential [CO2 eq] total                | 7.04 kg                                             |     |                   |
| global warming potential [CO2 eq] during manufacturing | 0.089 kg                                            |     |                   |
| global warming potential [CO2 eq] during operation     | 6.96 kg                                             |     |                   |
| global warming potential [CO2 eq] after end of life    | -0.0061 kg                                          |     |                   |
| Installation/ mounting/ dimensions                     |                                                     |     |                   |
| mounting position                                      | any                                                 |     |                   |
| fastening method                                       | clip-on                                             |     |                   |
| height                                                 | 46 mm                                               |     |                   |
| width                                                  | 28 mm                                               |     |                   |
| depth                                                  | 9 mm                                                |     |                   |
| Approvals Certificates                                 |                                                     |     |                   |
| General Product Approval                               |                                                     | EMV | Test Certificates |



[Type Test Certificates/Test Report](#)

|                   |                      |
|-------------------|----------------------|
| Test Certificates | Maritime application |
|-------------------|----------------------|

[Special Test Certificate](#)



|       |         |             |
|-------|---------|-------------|
| other | Railway | Environment |
|-------|---------|-------------|

[Miscellaneous](#)



[Confirmation](#)

[Special Test Certificate](#)



[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/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2916-1JK00>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2916-1JK00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2916-1JK00>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2916-1JK00&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2916-1JK00&lang=en)



