

TSC1-DIN

Transient surge counter

Use the Novaris range of Transient Surge Counters to monitor the level of surge activity at your site. This information can be used to monitor the effectiveness of the installed structural and surge protection equipment.

Structural and Surge Protection Monitoring

The TSC series comes in a variety of configurations to suit a wide range of monitoring applications. The TSC1-IP65 is designed to be installed on downconductors such as those used in structural protection or even tower legs. This gives an indication of direct strike activity. The TSC1-DIN range is designed for monitoring earth conductors directly or indirectly via a current transformer. This gives an indication of the effectiveness of the surge protection devices on site by monitoring the SPDs earth connection.

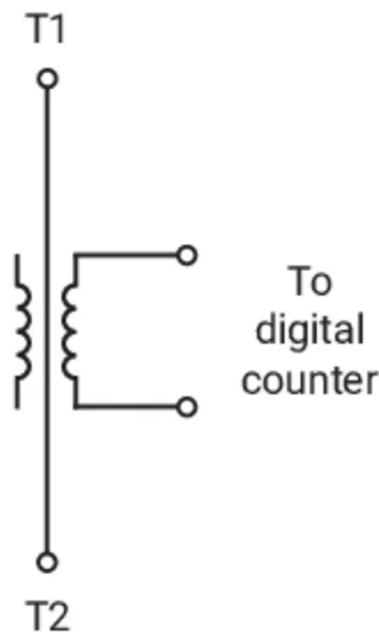
Sensitive but with excellent noise rejection

The Novaris TSC range is sensitive enough to detect a surge lasting for a fraction of a millisecond at only 100A but will reject all background noise to deliver accurate results.

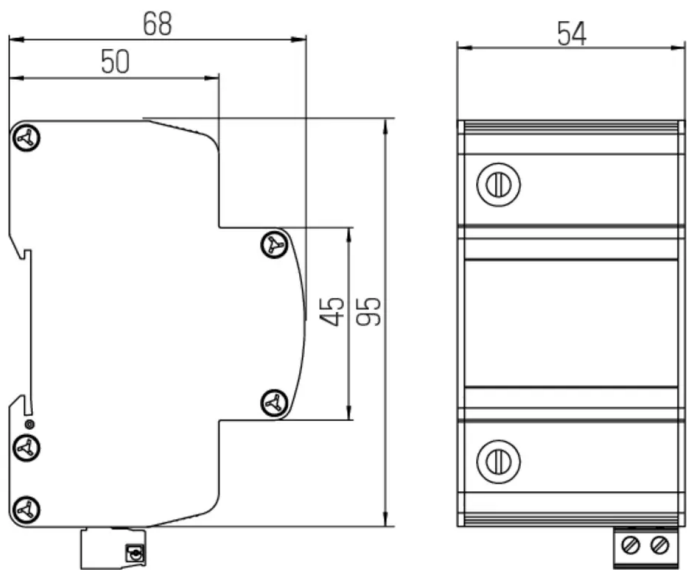


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

|                             |                                                                                   |         |
|-----------------------------|-----------------------------------------------------------------------------------|---------|
| Connection type             |  | Series  |
| Sensitivity                 |                                                                                   | 100A    |
| Discharge current (8/20 µs) | $I_{max}$                                                                         | 200kA   |
| Battery life of counter     |                                                                                   | 7 years |

Indication Specifications

|         |                                                                                   |                |
|---------|-----------------------------------------------------------------------------------|----------------|
| Display |  | Resettable LCD |
|---------|-----------------------------------------------------------------------------------|----------------|

Mechanical Specifications

|                               |                                                                                   |                  |
|-------------------------------|-----------------------------------------------------------------------------------|------------------|
| Minimum operating temperature |  | -40°C            |
| Maximum operating temperature |  | 70°C             |
| Minimum operating humidity    |  | 5%               |
| Maximum operating humidity    |  | 95%              |
| Mounting method               |  | TS35 DIN Rail    |
| Environmental rating          |  | IP20             |
| Enclosure material            |  | Aluminium        |
| Enclosure finish              |  | Black powdercoat |
| Length                        |  | 68mm             |
| Width                         |  | 54mm             |
| Height                        |  | 95mm             |

Standard Specifications

|             |                                                  |
|-------------|--------------------------------------------------|
| IEC 62561-6 | Requirements for lightning strike counters (LSC) |
|-------------|--------------------------------------------------|

Shipping Specifications

|        |                                                                                     |      |
|--------|-------------------------------------------------------------------------------------|------|
| Weight |  | 300g |
|--------|-------------------------------------------------------------------------------------|------|

Other Specifications

|              |                                                                                     |          |
|--------------|-------------------------------------------------------------------------------------|----------|
| Product Code |  | TSC1-DIN |
|--------------|-------------------------------------------------------------------------------------|----------|