

VOLTAGE LIMITER - VFS SERIES



- **Protects the current transformer against open circuit over-voltage.**
- **One-shot device which operates like a 'voltage fuse'.**
- **Does not affect the accuracy of the current transformer.**
- **Passive component, does not require power supply.**
- **Is specially designed for high-current generator transformers.**

Technical data

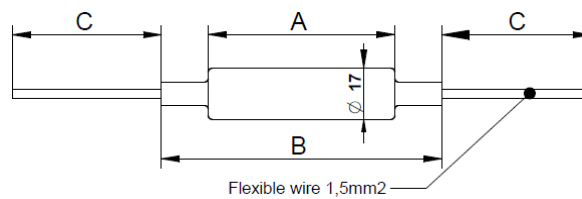
Peak voltage	90 - 200 - 450 - 600 - 1500V
Tolerance on peak voltage	+/- 20%
Secondary current	1A, 5A or any other value
Frequency	50/60 Hz

The purpose of the voltage limiter is to protect a current transformer against overvoltages due to an unintentional opening of its secondary circuit. It limits the peak voltage across secondary terminals. It must be connected directly onto the terminals to ensure efficiency. When an overvoltage occurs, the device 'shorts out' the secondary terminals of the current transformer, thus eliminating the overvoltage.

It is a one-shot device that cannot be reset.

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Type	A +/-2mm	B +/-3mm	C mm (mini)
VFS 90	25	40	50
VFS 200	25	40	50
VFS 450	30	65	70
VFS 600	40 </td <td>75</td> <td>80</td>	75	80
VFS 1500	60	95	100



Installation

- The VFS limiter shall be directly connected to the secondary terminals of the current transformer.
- Suitable lead terminals have to be used
- No additional fixing device is required
- The VFS limiter can be connected in any direction
- Short-circuit the secondary terminals of the current transformer before replacing the VFS limiter.
- The limiter must be disconnected before applying dielectric tests above the nominal value.