



Overvoltage Protection on DIN rail

features

overvoltage protection for industrial application on DIN35 rail. Every module is for one pair of signals. Modifications for various signal levels available.

usage

overvoltage protection devices SurgeDIN are intended for protection of communication lines and sensor inputs/outputs from surges often generated in industrial noisy environment (switching inductive loads in close area), from atmospheric discharges (during storms) and electrostatic discharges. This way it is minimised the probability of damage input ports, output lines from sensors as well as sensors and other equipments itselfs, communication equipments and loses of data.

types

all types are in the same enclosure. The differences are only in working voltage. For better orientation they have different names according to usage. SurgeLineDIN - general type for 12V, 28V or 160V. Surge485DIN - for RS485/422 communication for 12V.

installation

The installation is very simple. It is attached on DIN35 rail in standard way. They should be installed as close as possible to protected instrument or as gateway from external cables coming into building. All types have ground potential input with external connection for higher quality of ground connection. (If the connection is installed not proper way it can have high impedance to ground and quality of protection is lower. In worst case it can be uneffective. Even, the user can expect protection action, because it is connected.) Ground connection must be screwed in with reference ground potential with mechanical stability.

technical specifications

nr. of protected lines	2
maximal working voltage	$\pm 12V, \pm 28V, \pm 160V$
time response	cca 5ns
peak dissipating power	600W for every input
insertion loss	15Ω
terminals	0.2 - 4mm rigid solid 0.2 - 2.5mm stranded
mechanical dimensions	79x93x22.5mm

