Surge Protector Units DNP508 and DNP5082

The Surge Protector units DNP508 and DNP5082 are designed to protect electronic devices from electromagnetic pulse of lightning.

Product Description

The device is available in two versions:
DNP508 – to protect inputs of the lines of conventional Fire Control Panels.
DNP5082 – to protect inputs of the loops of Fire Control Panel IFS7002, manufactured by UniPOS.

When lightning strikes, DNP508 limits the maximum voltage of the line to 150/180V, and the terminals of the Control Panel to 46V for DNP508 (and 72/53V for DNP5082).

The Surge Protector units DNP508 and DNP5082 are to be mounted close to the Fire Control Panel or at a place, where the fire alarm line loops are extended beyond the building (outdoors).

Surge Protector Unit DNP508

Nominal voltage: 28V DC

Maximum current pulse $I_{S\ 8/20}$: 20 kA
Response time: 1ns

Maximum resultant voltage at $I_{S8/20}$: 45.7V

Operating temperature range: from -10ºC to +60ºC
Storage temperature: from -40ºC to +70ºC
Relative humidity resistance: (92+3-2)% at 40ºC
Degree of protection: IP40
Overall dimensions: 162 x 120 x 72 mm
Weight: 0,3 kg

Surge Protector Unit DNP5082

Nominal voltage:
– Signal Loop: 33V Dc
– Power Loop: 28V DC

Maximum current pulse I$_{S\,8/20}$: 20 kA
Response time: 1ns

Maximum resultant voltage at I$_{S8/20}$:
– Signal Loop IS 8/20: 72.2V
– Power Loop IS 8/20: 53.3V

Operating temperature range: from -10ºC to +60ºC
Storage temperature: from -40ºC to +70ºC
Relative humidity resistance: (92+3-2)% at 40ºC
Degree of protection: IP40
Overall dimensions: 162 x 120 x 72 mm
Weight: 0,3 kg