

Surge Protection

AD-NS 230

Description

The power supply protection AD-NS 230 serves as surge limitation on the supply side of the apparatus and machines with supply voltage 230V AC. The protection unit is inside a compact snap-on housing for 35mm cap rail. A green lamp indicates when the operating voltage is connected.

The AD-NS 230 is also equipped with a cut-off facility, which responds if the leak currents shown by the valve type lightning arrester are too high. The cut-off facility is situated in the shunt arm, so that only the surge protection is isolated from the power supply (no operating interruption) in this condition the red lamp lights up.



Application:

Lightning strike and surge protection for the 230V AC-plane in main and sub distributions

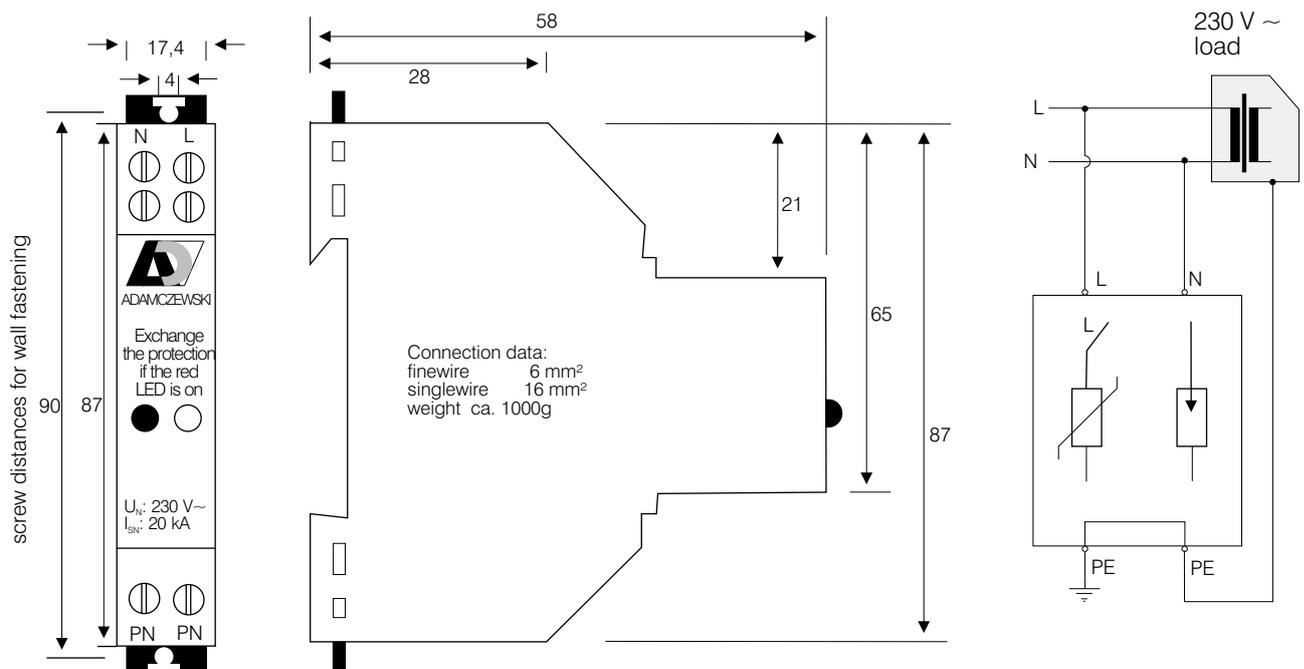
Technical data:

power supply:	230V AC, 50-60Hz
max. line voltage:	275V AC, 50-60Hz
line-protection/prefuse:	100A gl
power-on indicator:	green LED
power-off indicator:	red LED
temperature range:	-25°C - +85°C

Properties by over voltage:

impulse protection U_R	
wire - protective ground / wire - wire	
a.) with $1kV/\mu s$ on unprotection input	< 1,4 kV
b.) with I_{SN}	< 1,4 kV
discharge current I_{SN} (10x8/20 μs)	
wire - protective ground (L,N-PE)	20 kA
wire - wire	15 kA
limiting current 8/20 μs	20 kA
life time testing current I_l	
(500 x 10/700 μs)	100 A
(100 x 10/700 μs)	500 A
limiting current 10/700 μs	1000 A

Connections and dimensions: AD-NS 230



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