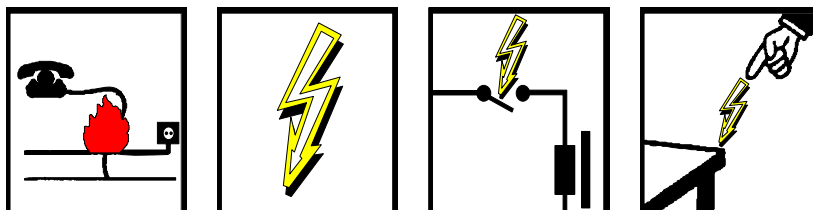


# ComProtect 2/1 CP BOD180A4

Overvoltage protection in the LSA-PLUS distribution systems  
 Meets the requirements for ADSL / ADSL2+ / HDSL(w/o Remote Feeding)



Ordering Code: 5909 1 078-30 (Set, 10 pcs. with earth bar for 10 pair)  
 5909 1 078-32 (Set, 8 pcs. with earth bar for 8 pair)

## Technical data :

Max. operating voltage (a/b-e, a-b)  
 Max. operating current (a-a'/b-b') @ 25°C  
 DC spark-over voltage arrester @ 100V/s (a/b-e)<sup>1)</sup>  
 Max. output voltage @ 1kV/μs (a/b-e, a-b)  
 Max. output voltage @ 1,5 kV 10/700μs (a/b-e, a-b)  
 Nominal arrester surge current (8/20μs; a/b-e)<sup>1)</sup>  
 Nominal arrester surge current (10/350μs; 1x; a/b-e)<sup>1)</sup>  
 Nominal decoupling resistance (a-a'/b-b') @ 25°C  
 Resistance balance  
 Max. trip-current PTC @ V<sub>max</sub> = 230V<sub>eff</sub>  
 Capacitance (1MHz/1V<sub>rms</sub>; a/b-e, a-b)  
 Leakage current diode @ 100V  
 Typ. operating frequency (-3dB, Z<sub>0</sub>=120Ω)  
 Dielectric strength (1,2/50μs; 3x)

V <sub>max,e</sub>	180	V
I <sub>N,max</sub>	120	mA
V <sub>sdcn</sub>	420	V +25% / -15%
V <sub>o</sub>	350	V
V <sub>o</sub>	350	V
i <sub>sN</sub>	5	kA
i <sub>10/350</sub>	1	kA
R	10	Ω ± 20%
ΔR <sub>PTC</sub>	≤ 1	Ω
I <sub>s,max</sub>	5	A <sub>rms</sub>
C	50	pF
I <sub>l</sub>	< 10	μA
f <sub>g</sub>	50	MHz
U <sub>sw</sub>	1,75	kV

Operating temperature :

-20°...+60°C

Storage temperature :

-40°...+80°C

Electrical characteristics :

<sup>1)</sup> acc. to ITU-T K.12

Mechanical characteristics :

sinusoidal wave acc. to DIN EN 60068-2-6

Climatic characteristics :

DIN EN 60068-2-1 (cold resistivity)

DIN EN 60068-2-2/3 (thermal resistivity)

In accordance with ITU-T K.20 / K.21 (U<sub>0</sub> = 1.5 kV)

