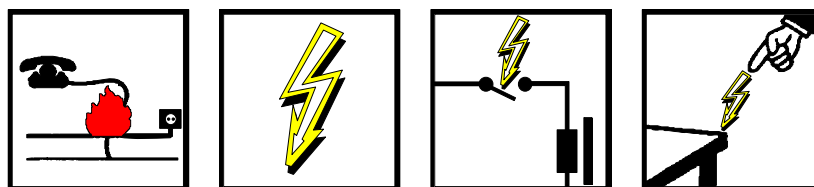


ComProtect 2/1 CP BI70A2



Overvoltage protection in the LSA-PLUS distribution system

Ordering code : 5909 1 082-01 (Set, 10 pcs. with earth bar 2/10)

Technical data :

Max. operating voltage (a/b-e, a-b)
 Max. operating current (a-a'/b-b') @ 25°C
 Max. operating current (a-a'/b-b') @ 60°C
 DC spark-over voltage arrester @ 100V/s (a/b-e)¹⁾
 Max. output voltage @ 1kV/μs (a/b-e, a-b)¹⁾
 Nominal arrester surge current (8/20μs; a/b-e)¹⁾
 Nominal arrester surge current (10/350μs; a/b-e)¹⁾
 Nominal arrester alt. discharge current (50Hz, 1s; a/b-e)¹⁾
 Nominal decoupling resistance (a-a'/b-b') @ 25°C
 Resistance balance
 Max. trip-current PTC @ $V_{max} = 245V_{rms}$
 Capacitance (1MHz/1V_{rms}; a/b-e, a-b)
 Typ. Fail-Safe response time @ 5A_{rms} (a+b-e)
 Leakage current diode @ 70V
 Typ. attenuation @ 150 kHz and $Z_0=120\Omega$
 Typ. attenuation @ 10 kHz and $Z_0=600\Omega$
 Dielectric strength (1,2/50μs; 3x)
 Operating temperature:
 Storage temperature:
 Electrical characteristics:
 Mechanical characteristics:
 Climatic characteristics:

$V_{max,e}$	70	V
$I_{N,max}$	150	mA
$I_{N,60^\circ C}$	115	mA
V_{sdcn}	90	V ±20 %
V_o	< 200	V
i_{sN}	5	kA
$i_{10/350}$	1	kA
i_{daN}	5	A _{rms}
R	10	Ω ±15 %
ΔR_{PTC}	< 1	Ω
$I_{s,max}$	1	A _{rms}
C	50	pF
t_F	< 5	s
I_l	< 10	μA
a_e	0,9	dB
a_e	0,6	dB
V_{sw}	1.75	kV

-20°...+60°C
 -40°...+80°C
¹⁾ acc. to ITU-T K.12
 Sinusoidal wave acc. to IEC 68-2-6
 DIN IEC 68 part 2-2/3 (thermal resistivity)
 DIN IEC 68 part 2-1 (cold resistivity)

