

Order code:	BHS 200.20.0 r (K) rev1
Application:	AC/DC capacitor for overvoltage protection, damping, smoothing, filtering
Standard:	acc. to IEC 61071:2007
Characteristics	
Rated capacitance	C_N 20 μF -5/+10%
Rated d.c. voltage	U_N 2000 V d.c.
Rated a.c. voltage	$U_{N\ AC}$ 1400 V a.c.
Rms voltage	U_{rms} 1000 V
Insulation voltage	U_i 7000 V
Non-recurrent surge voltage	U_s 6000 V
Rated energy	W_N 40 Ws
Maximum current	I_{max} 6 A
Maximum peak current	\hat{I} 4 kA
Maximum surge current	I_s 11 kA
Series resistance	R_s 1 m Ω
Tangent of the loss angle	$\tan\delta_o$ 2×10^{-4}
Self discharge time const.	$C \times R_{is}$ 10000 s
Self inductance	L_e ~ 100 nH
Resonance frequency	f_r ~ 110 kHz
Thermal conditions	
Lowest operating temperature	Θ_{min} -25 °C
Maximum operating temperature	Θ_{max} 70 °C
Thermal resistance	R_{th} ~ 3 K/W
Storage temperature	$\Theta_{storage}$ -40..+85 °C
Humidity class	C
Failure rate	
at $\Theta_{hotspot}$	100 FIT
Reference service life	60 °C 100000 h
Test data	
Voltage test between terminals	U_{BB} 6000 V DC/10s
A.C. voltage test terminal/case	U_{BG} 15000 V AC/10s
Dimensions¹⁾	
Height of the case	H 180 mm
Lenght of the case	L 250 mm
Width of the case	W 100 mm
Distance of terminals	a 140 mm
Distance of mounting holes	b 50 mm
Diameter of mounting holes	d 9 mm
Clearance in air	L 32 mm
Creepage distance	K 60 mm
Approx weight	6 kg
Mechanical characteristics	
Dielectric	MKP-AC/DC - metallized polypropylene capacitor, self-healing
Construction	Stainless steel case, welded, brass terminals, plastic insulators (V0 UL94)
Protection	without internal fuse, to be used only in uncritical environment
Impregnant	dry type ,resin moulded (Non PCB)
Fire load	200MJ

