

Preliminary data
Characteristics

C_N	16000	μF
Tol.	+ 10 / - 10	%
$U_{N\text{ DC}}$	950	V
$U_{i\text{ AC}}$	2500	V
W_N	7220	Ws
I_N	350	A
L_e	100	nH
$\tan\delta_o$	2	10^{-4}
R_s	0,4	mohm

Maximum ratings

$\hat{U}$	1300	V
u_s	1450	V
$\hat{I}$	3	kA
$\hat{I}_s$	20	kA

Test data

$U_{TT\text{ DC}}$	1450	V	0Hz	10s
$U_{TC\text{ AC}}$	6000	V	50Hz	60s
$R_{is} \times C \geq$	10 000	s		
$\tan\delta_{(50\text{ Hz})} \leq$	40	10^{-4}		

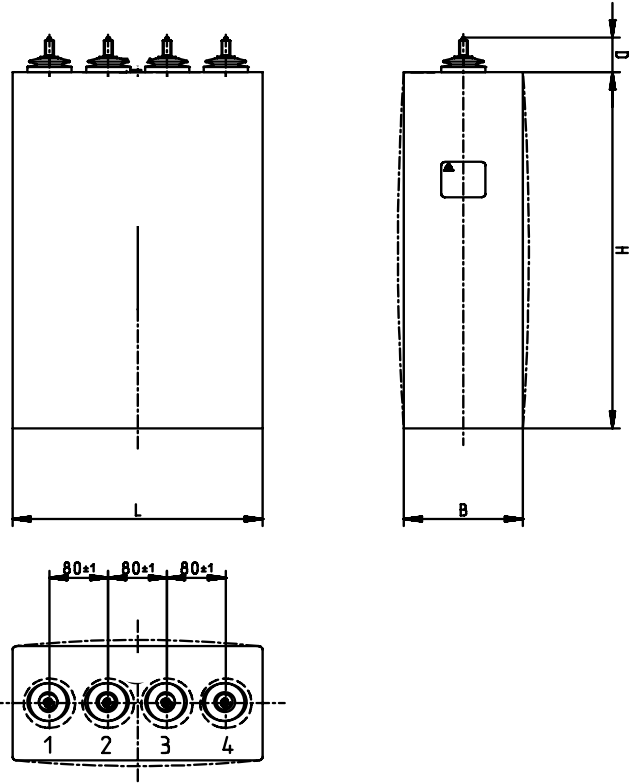
Climatic conditions

T_{min}	- 25	$^{\circ}\text{C}$
T_{max}	+ 55	$^{\circ}\text{C}$
humidity	av. rel.	< 95 %
$a_{AQ(DB)}$	200	fit
$t_{BD(DB)}$	75000	h
T_s	-45 to +85	$^{\circ}\text{C}$

Climatic category 25 / 055 / 56

(DIN IEC 68 part 1 and 2)

T_{test}	= 40	$^{\circ}\text{C}$
rel.humidity	93	%
t_{test}	56	days
$\Delta C/C \leq$	1	%
$\Delta \tan\delta \leq$	1	10^{-4}
$R_{is} \times C \geq$	10000	s

Remarks
 $I_s=50\text{kA}$, 10 x per lifetime

Design data

Dimensions	L_{Case}	B_{Case}	H_{Case}	mm
	340	162	670	
Terminations		M16x30	mm	
Max. torque		30	Nm	

Approx. weight	44	kg
Case extension ¹⁾	9	mm
Impregnation	gas filled	

1) with normal conditions

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