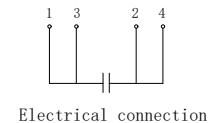
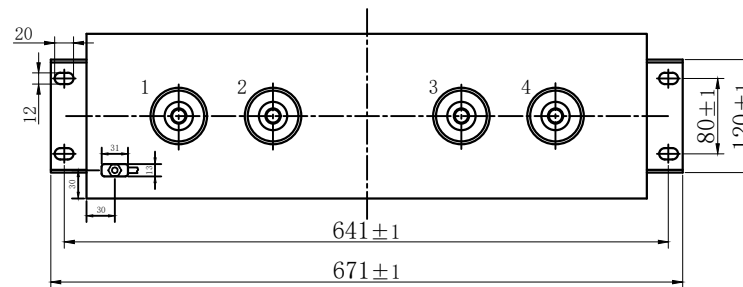
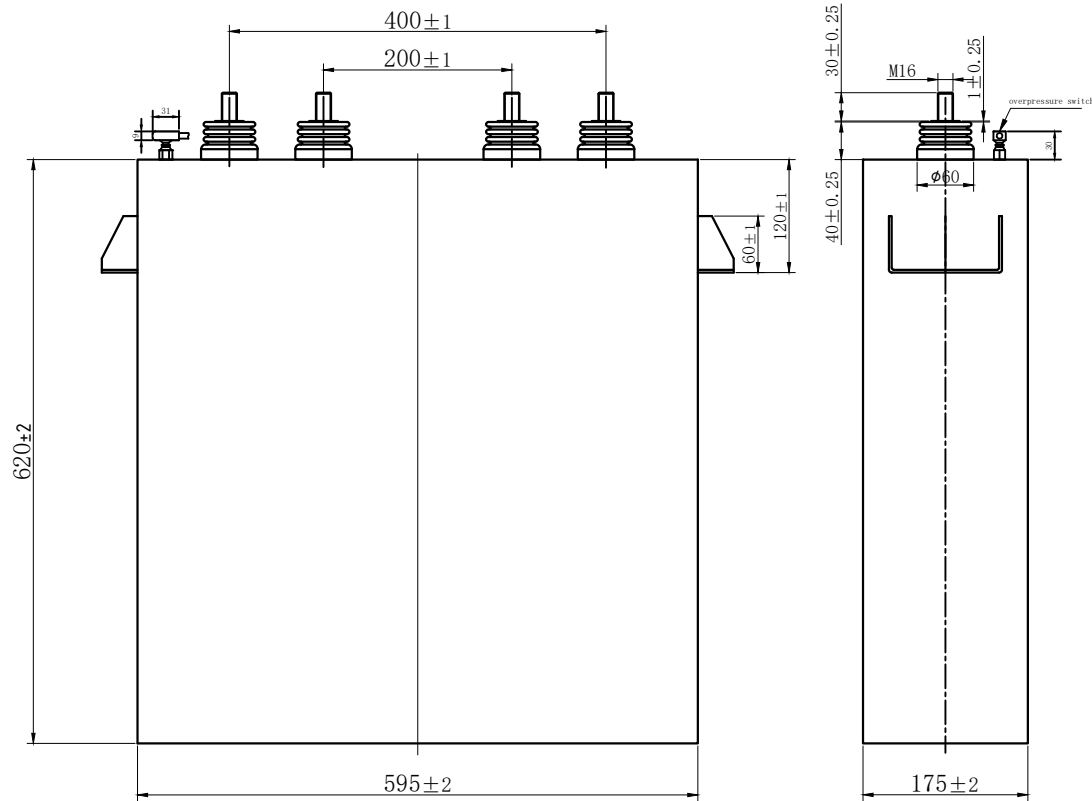



Dc-Link Capacitor			
Nominal values			
Rated capacitance	Cn	[μ F]	4000
Tolerance of capacitance		[%]	+10/-10%
Rated voltage	Un	[Vdc]	3000
Rated current	I _{max}	[A]	I _{max} 500
Peak current	I _{peak}	[kA]	18
Dielectric loss	$\tan \delta_o$	[$\times 10^{-4}$]	≤ 2 (1V, 100Hz, 20° C)
Total dissipation factor	$\tan \delta$	[$\times 10^{-4}$]	≤ 30 (1V, 100Hz, 20° C)
ESR	R _s	[m Ω]	0.21
Capacitor inductance	L _s	[nH]	≤ 50
Maximum rating			
Recurrent peak voltage	U _s	[Vp]	3450 (30min/day) 3600 (5msec/day)
Maximum non repetitive pulse current	I _s	[kA]	117
Test values			
between terminals	U _{t-t}	[Vdc]	4500 - 10s
between terminals and case	U _{t-c}	[VAC]	10200 - 50Hz - 60s
Climatic conditions			
Operating temperature	θ_{amb}	[°C]	-55 / +70
Storage temperature	θ	[°C]	-55/ +85
Expected life time			
Expected lifetime		[h]	$\geq 100,000$
Failure quota	λ	FIT	<100
Mechanical values			
Weight		[kg]	105(epoxy resin)
material			stainless steel
Terminals			
Type			synthetic insulator
Screw bolt			M16 x 30
Tightening torque max.		[Nm]	15
Creepage distance		[mm]	>50
Clearance in air		[mm]	>50
Mounted			anywhere less than 2000 meters above sea level
Technology			
Dielectric			metallised polypropylene self-healing
Impregnating liquid			epoxy resin
Execution according to			IEC61881, IEC 61071



	Signature	Date	C4140863N9K3SBH4CS		 深圳市创仕鼎电子有限公司
Design	Yiqiu Fu				
Technics	Yiqiu Fu	2023. 03. 17	No.		C41-3000VDC-4000uFK
Approve			1		