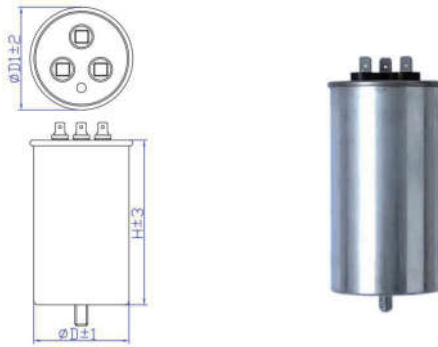


三相交流功率补偿电容器 Three-phase AC-power compensating capacitors



■ 特点 Features

自愈	Self-healing
金属化聚丙烯膜结构	Metallized polypropylene film structure
防爆设计，过压保护更安全	Anti-explosion design, overpressure tear-off fuse more safety
适用于三相功率因素校正、LCL 滤波	Suitable for power factor correction and LCL filter

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 17702 (IEC 61071) Optional: GB/T 12747 (IEC60831)
额定均方根电压 Rated RMS Voltage(U_{rms})	380VAC、450VAC
额定频率 Rated frequency(f_N)	50/60Hz
额定电容量 Rated Capacitance(C_N)	0.5~2.5kvar
电容量偏差 Capacitance Tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K), $-5\% \sim +10\%$ (6)
电容内部连接方式 Capacitor internal connection	三角形接法 Delta connection(Δ)
极间耐电压 Test Voltage Between Terminals (U_{T-T})	$2.15U_{rms}$ 或 $1.5U_N$ (50/60Hz), 10s
极壳耐电压 Test Voltage Between Terminal to Case (U_{T-C})	4 000VAC (50/60Hz), 10s
绝缘电阻 Insulation Resistance ($IR \times C_N$)	$\geq 10\,000s$, (20°C, 500VDC, 1min)
损耗角正切 Dissipation factor ($\tan \delta$)	2×10^{-4}
气候类别 Climatic Category	40/70/56
可运行温度范围 (热点温度) Operating Temperature range (θ_{hs})	-40°C ~ 85°C
贮存温度范围 Storage Temperature Range	-40°C ~ 70°C
预期寿命 Expected lifetime	$I\Delta C/C \leq 5\%$ after 100 000h@ $0.8U_{rms}$, $\theta_{hs} \leq 70^\circ C$
防爆装置 Explosion-proof device	过压力防护装置 Over pressure disconnecter
内部填充料 Internal stuffing	Oil(Non PCB)
冷却方式 Cooling	自然空气或强制制冷 Naturally air-cooled or force cooled
最大安装扭矩 Max. Torque of Installation	6N · m
最高海拔 Max. Altitude	2 000m

■ 技术参数 Technical data(mm)

$U_{rms}=380VAC, U_N=530VAC$							
C_N (μF)	Q (kvar)	$D \pm 1.0$ (mm)	$D1 \pm 2.0$ (mm)	$H \pm 3.0$ (mm)	ESR @10kHz (m Ω)	I_{max} (A)	Part number
5	0.5	55	58	65	13	0.8	CA3OT530505*****
10	1.0	55	58	80	14	1.6	CA3OT530106*****
15	1.5	55	58	100	18	2.4	CA3OT530156*****
20	2.0	55	58	120	19	3.2	CA3OT530206*****
25	2.5	55	58	130	20	4.0	CA3OT530256*****

$U_{rms}=450VAC, U_N=630VAC$							
C_N (μF)	Q (kvar)	$D \pm 1.0$ (mm)	$D1 \pm 2.0$ (mm)	$H \pm 3.0$ (mm)	ESR @10kHz (m Ω)	I_{max} (A)	Part number
5	0.5	55	58	65	13	0.8	CA3OT630505*****
10	1.0	55	58	85	14	1.6	CA3OT630106*****
15	1.5	55	58	105	18	2.4	CA3OT630156*****
20	2.0	55	58	130	19	3.2	CA3OT630206*****
25	2.5	55	58	140	20	4.0	CA3OT630256*****

■ 若客户需要特殊规格和尺寸，请联系我们。

Other specification and dimension can be designed as customer's requirement.