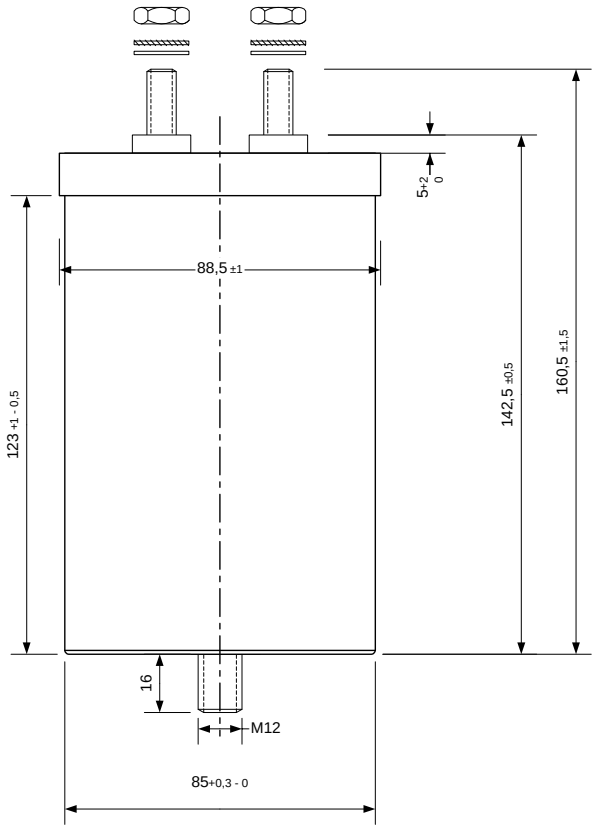
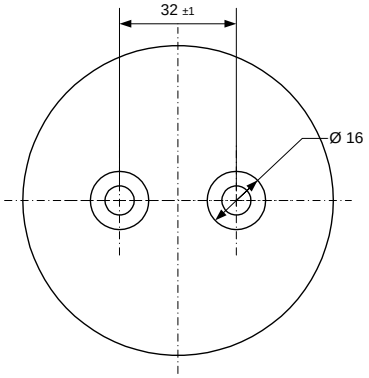
Technical data

Nominal capacitance	C_N	200	µF ± 5%
Nominal voltage dc	U_{NDC}	1300	V
Surge voltage dc	U_S	1950	V
Energy	W_N	169	Ws
Max AC current at T_{case}=30°C	I_N	50	A
Max. Peak current	$\hat{I}$	1600	A
Max. Pulse rise time	$\Delta U/\Delta t$	8.1	V/µs
Series resistance at 10kHz	R_S	< 15	mΩ
Dissipation factor at 1kHz	tanδ	< 200	$x10^{-4}$
Min. Operating temperature	ϑ_{min}	-40	°C
Max. Operating temperature	ϑ_{max}	+70	°C
Storage temperature	ϑ_{Lager}	-45...+85	°C
Thermal resistance	R_{th}	2,1	°C/W
Climatic category DIN IEC 68/1		40/070/21	





Max Power Loss

at 10kHz

I_{MAX}	Case Temp	P_{MAX}
44A	40°C	21.4 W
37A	50°C	15.1 W
31A	60°C	10.7 W
26A	70°C	7.6 W

U_N Derating

U_{NMAX}	Case Temp
U_N x 1	≤70°C
U_N x 0.9	≤75°C
U_N x 0.8	≤80°C
U_N x 0.7	≤85°C

Test Data

Test voltage between terminals	U_{TT}	1950	V dc / 2s
Test voltage between terminal/case	U_{TC}	3600	V ac / 10s

Life expectancy 100 000 h
@ hot spot 60 °C

General technical data

Casing material	Aluminium
Base Stud	M12 x 16, max torque 6Nm
Dielectric	Polypropylene
Terminals	Nickel plated brasse studs, M8 x 18, max torque 6Nm
Weight	1.0 kg

Leclanché Capacitors for Critical Applications and Extreme Environments.
Tel. +41 24 445 66 88 - Fax +41 24 445 66 89 capinfo@Lcap.ch www.Lcap.ch