

CAPACITOR SPECIFICATION

PART-NUMBER:

K36900272S6K1U230

GENERAL FEATURES

Polypropylene film, dry construction, non-inductive type, cylinder aluminum case, plastic fixture, resin filling (UL94 V-0)

DIMENSIONS AND MECHANICAL DATA

Diameter (D)	±1	136 mm
Height (H)	±2	230 mm
Interax (P)	±0.5	50 mm

Terminals	2 M6 (Ø d=14.0 mm)
Stud	M12x16 mm

Max torque of terminals	4.5 Nm
Max torque of installation	8 Nm
Max Altitude	2000 m

ELECTRICAL CHARACTERISTICS

Rated Capacitance	2750 µF
Capacitance Tolerance Range	±10%
Tangent of loss angle tgδ	≤ 0.003 (100Hz, 20°C)

Rated Voltage
900 VDC

Max ripple current	99 A (10kHz, 45°C)
Max peak current Ip	11.0 kA

Series Resistance ESR	1.1 mΩ (1kHz)
Self-Inductance Ls	≤ 60 nH

Thermal Resistance Rth	1.5 K/W
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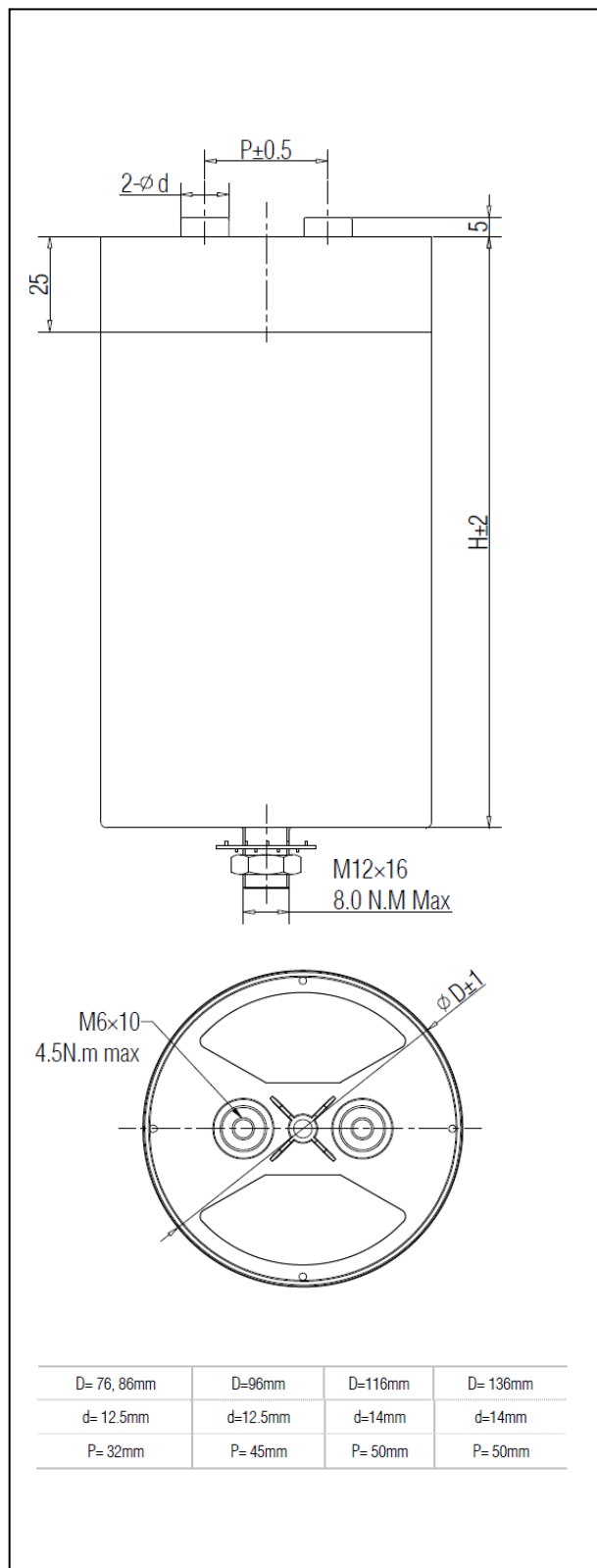
Insulation resistance IR	(IR*Cn) 10000S
	(after 1 minute at 100VDC, 20°C)
Operating Temperature Range	-40°C +85°C
Storage temperature range	-40°C +85°C
Voltage test terminals-case	(1.5*Un+1000)VAC
	min 3000VAC
	(for 10s at 50Hz)

TEST CONDITION

Environment temperature	T=20°C ±5°C
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SERVICE LIFE

Life expectancy	100'000 hours
At Un and at hot spot	70°C

Reference Standards IEC 61071


Approved

Technical Department

Date 12-09-2022