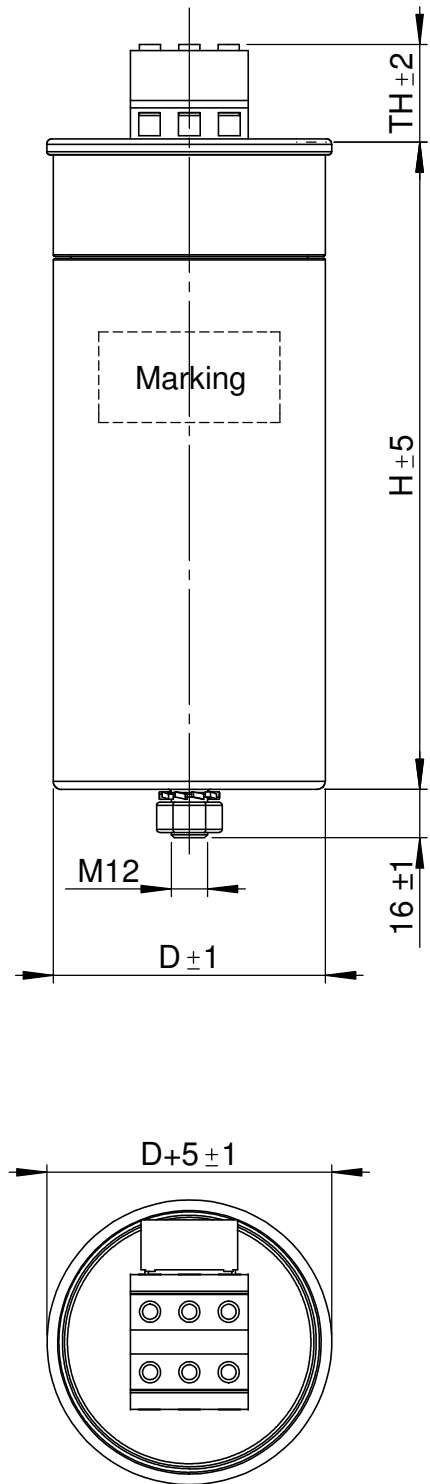


Unless otherwise specified apply the following tolerances

to 6	±0,1
above to 6 to 30	±0,2
above to 30 to 100	±0,3
above to 100 to 300	±0,5
above to 300 to 1000	±0,8
above to 1000 to 2000	±1,2
above to 2000 to 4000	±2
above 4000	±3

All transfer to third person or missusage for unauthorized purposes is strictly forbidden by Author's Rights



Capacitor Type	KNK9053
<b>Technical data</b>	
Standard	IEC 60831-1/2 , UL 810 10.000 AFC approved
Connection	Delta
Rated reactive power (Q <sub>n</sub> )	25 kVAr
Rated voltage (U <sub>n</sub> )	525 V
Rated frequency (f <sub>n</sub> )	50 Hz
Rated capacitance	3 x 96,2 μF
Capacitance tolerance	-5/10 %
Rated current	3 x 27,5 A
Dielectric loses	≤ 0.2 W/kVAr
Total losses	≤ 0.45 W/kVAr
Temperature category	-25/D
Max. Humidity	95 %
Cooling	Forced ventilation or naturally air cooled
Max. overvoltage	1.1 x U <sub>n</sub> (8 h/day)
	1.15 x U <sub>n</sub> (30 min/day)
	1.2 x U <sub>n</sub> (5 min - 200 times per life time)
	1.3 x U <sub>n</sub> (1 min - 200 times per life time)
Max. overcurrent	1.5 x I <sub>n</sub> (including combined effects of overvoltages, harmonics and capacitance tolerance)
Inrush current	200 x I <sub>n</sub>
Expected life time	> 100000 h (temp. category D) > 120000 h (temp. category C)
Discharge resistor	to 75 V ≤ 3 min
Altitude	Up to 2000 m
Insulation level	3,6/12 kV
<b>Routine Tests</b>	
Terminal to terminal	2.15 x U <sub>n</sub> , 2 s
Terminal to case	4 kV, 2 s
Sealing test	75 °C, 6 h
<b>Mechanical parameters</b>	
Diameter (D)	85 mm
Height (H)	265 mm
Terminals per phase / TH / Max. torque / Max current	2 x 25 mm <sup>2</sup> / TH / 3 Nm / 60 A
Mounting and grounding / Max. torque	Threaded M12 bolt / 10 Nm
Mounting position	Vertical with terminal pointing upwards
Protection	IP20
Clearance distance	> 16 mm
Creepage distance	> 16 mm
Safety device	Overpressure disconnecter (all phases)
<b>Material parameters</b>	
Dielectric	Self healing metallized polypropylene film
Filling	Non PCB biodegradable vegetable oil
Case	Aluminium

Ordering data: KNK9053 25 kvar 525 V 50 Hz DxH 85x265

material		protection		standard		issue				
changes	1	2	3	4	5	6	7	8	9	10
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approved	27.8.20	Dermol								
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identification No.

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